Turntable Hi-Fi System with Speakers



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www.1byonebros.com

Made in China

Instruction Manual

Introduction

Thank you for purchasing 1byone Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not use the turntable near water.
2. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
3. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
4. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
5. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
6. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
8. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
9. Do not use attachments not recommended by the manufacturer as they may cause hazards.
10. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.



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11. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
12. Unplug the product during lightning storms or when unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

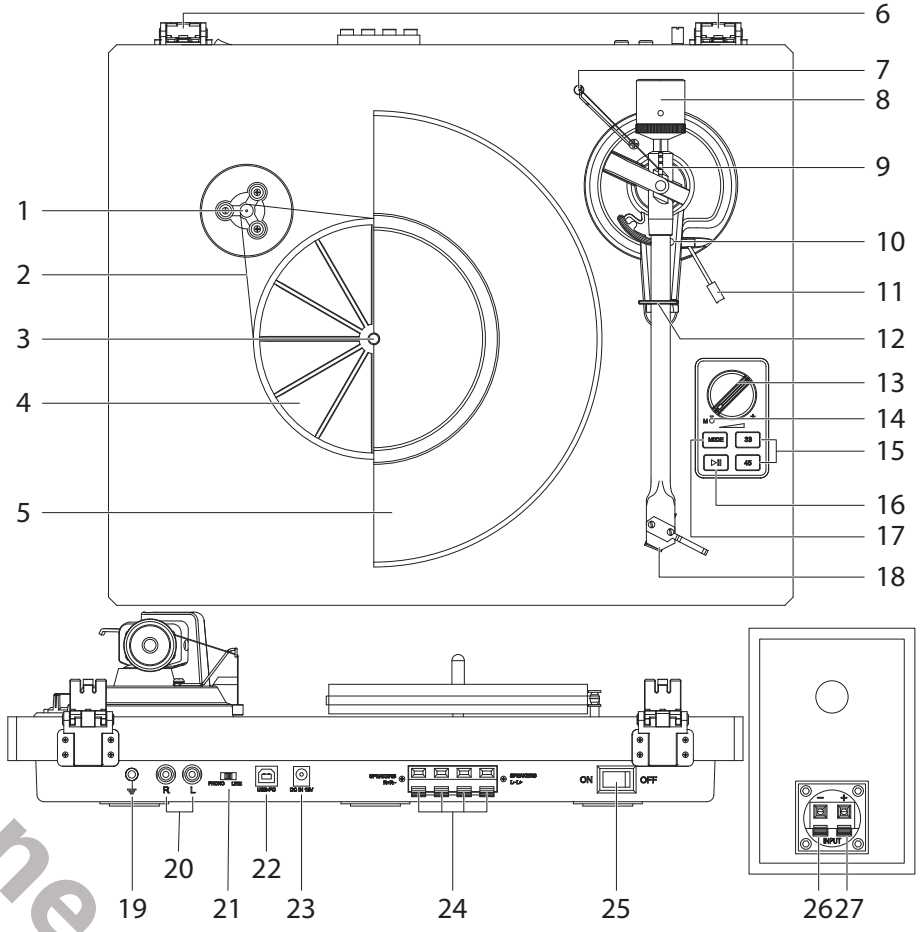
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm - HYPERLINK "http://www.P65Warnings.ca.gov."
For more information go to HYPERLINK "http://www.1byonebros.com/Compliance/Prop65"

Product Description



1. Motor Pulley
2. Drive Belt
3. Turntable Spindle
4. Turntable Sub-platter
5. Turntable Platter
6. Lid Hinge
7. Anti-skating Weight
8. Counterweight
9. Anti-skating Stick
10. Tonearm Rest
11. Tonearm Lift Lever
12. Tonearm Clip
13. Volume Control
14. Indicator
15. 33/45RPM Selector
16. Play/Stop Button
17. Mode Button
18. Stylus Cartridge
19. Ground Connector
20. Phono & Line Out Jacks
21. Phono & Line Out Switch
22. USB Port for PC Link
23. Power Cord Jack
24. External Speaker Jacks
25. Power Switch
26. Speaker Jack -
27. Speaker Jack +

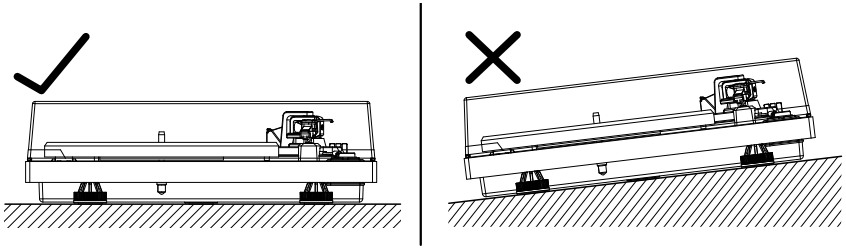
Included Items

Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

- 1 x Turntable Unit
- 2 x Speakers
- 1 x Turntable Lid
- 1 x Slip Mat
- 1 x Turntable Platter
- 1 x Tonearm Counterweight
- 1 x Anti-skating Weight
- 1 x 45 RPM adapter
- 1 x Drive Belt
- 1 x Sub-platter
- 1 x Belt Hook
- 1 x Power Adapter
- 1 x USB Cable for PC Link
- 2 x Audio Cables for Speakers
- 1 x Cartridge Adjustment Card
- 1 x Instruction Manual

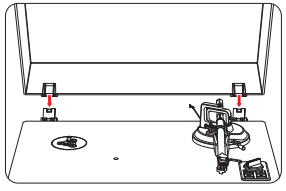
Installing the Turntable

- Mount the product on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.



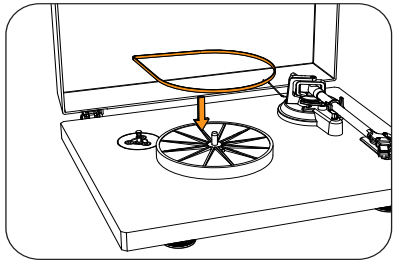
Installing the Lid

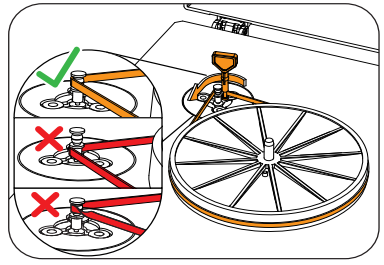
Insert the hinge pockets of the lid onto the hinges of the turntable.



Turntable Platter and Belt Setup

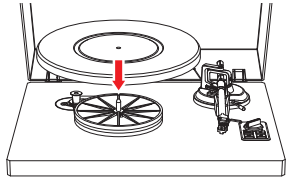
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface.
2. Insert the sub-platter into the turntable spindle located in the middle of the turntable.
3. Loop the drive belt around the sub-platter and motor pulley (brass-colored).





4. Carefully place the main platter onto the sub-platter (Figure 1).

Figure 1



Rotating the Platter

1. Using your hands, slowly rotate the platter ten times in the direction of the arrow (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the 1byone logo on the mat is facing up (Figure 2).

Figure 1

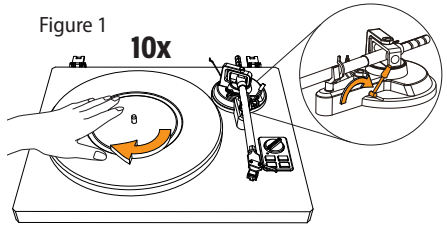
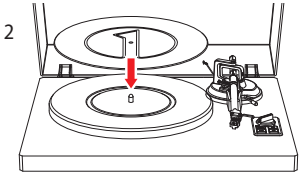


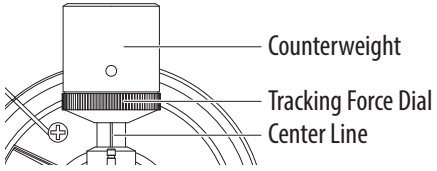
Figure 2



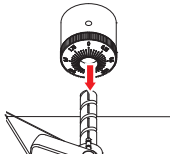
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Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

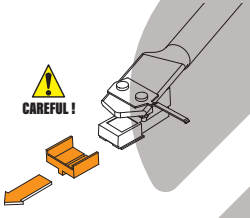


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).

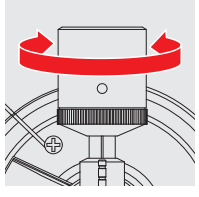


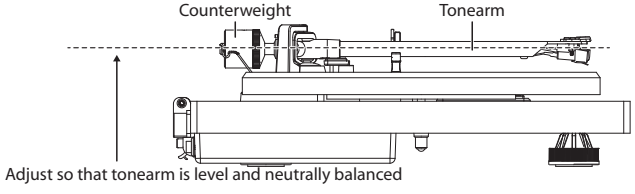
2. Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.

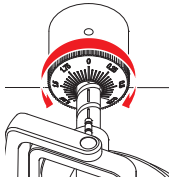


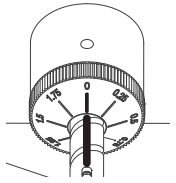
3. Remove the tie-wrap and unlock the tonearm.
4. Lower the tonearm lift lever and position the cartridge in the space between the tonearm rest and platter.
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance. The tonearm should return to this balanced position if it is moved up or down. This adjustment must be done carefully.



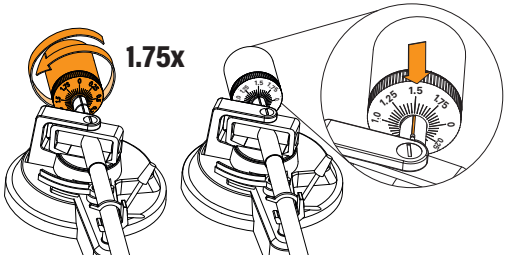


6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with black center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.





7. Rotate the counterweight counter clockwise (as seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.



Note: Each mark on the scale represents 0.05g. The recommended tracking force for the factory-installed cartridge is 3.5g±0.5g. The cartridge tracking force only goes up to 2g for one rotation of the tracking force dial. You will need to make more than one rotation to reach 3.5g.

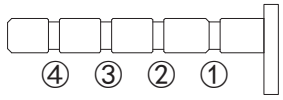
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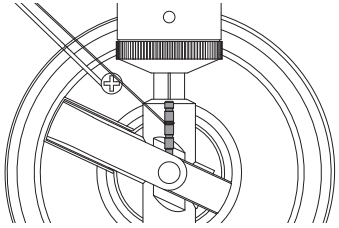
Anti-skating Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

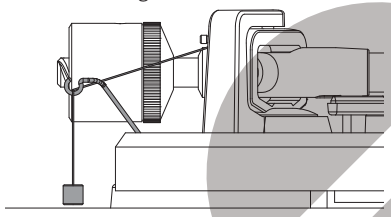
Tracking Force	Groove in the Stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20mN	3rd from the bearing ring
>20mN	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set the correct anti-skating force for the factory-installed cartridge.



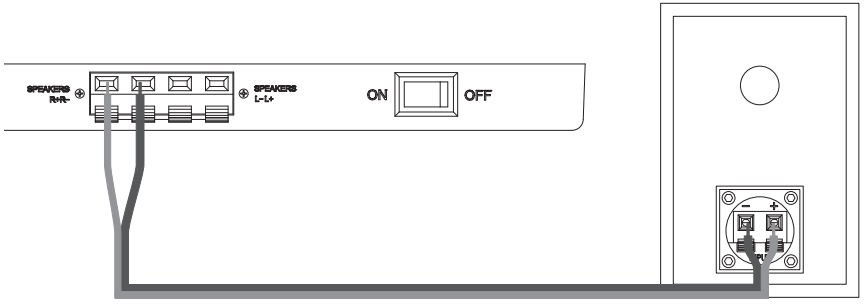
2. Feed the thread through the loop of the wire hanger.



Connection to Speakers

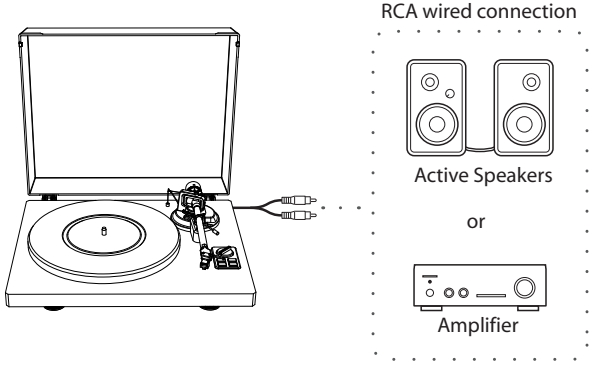
1. Connection to the Included Speakers

This turntable includes a built-in preamp and comes supplied with Hi-Fi speakers. Connect the speakers using the included audio cable (dark cable to black cable clamp and light cable to red cable clamp).



2. Connection to External Speaker with the RCA Audio Cable

If you wish to use your own amplifier or speakers, please follow the instructions below:



2.1 Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

When connecting via the included speakers, using the pre-amplifier selector switch is not necessary.

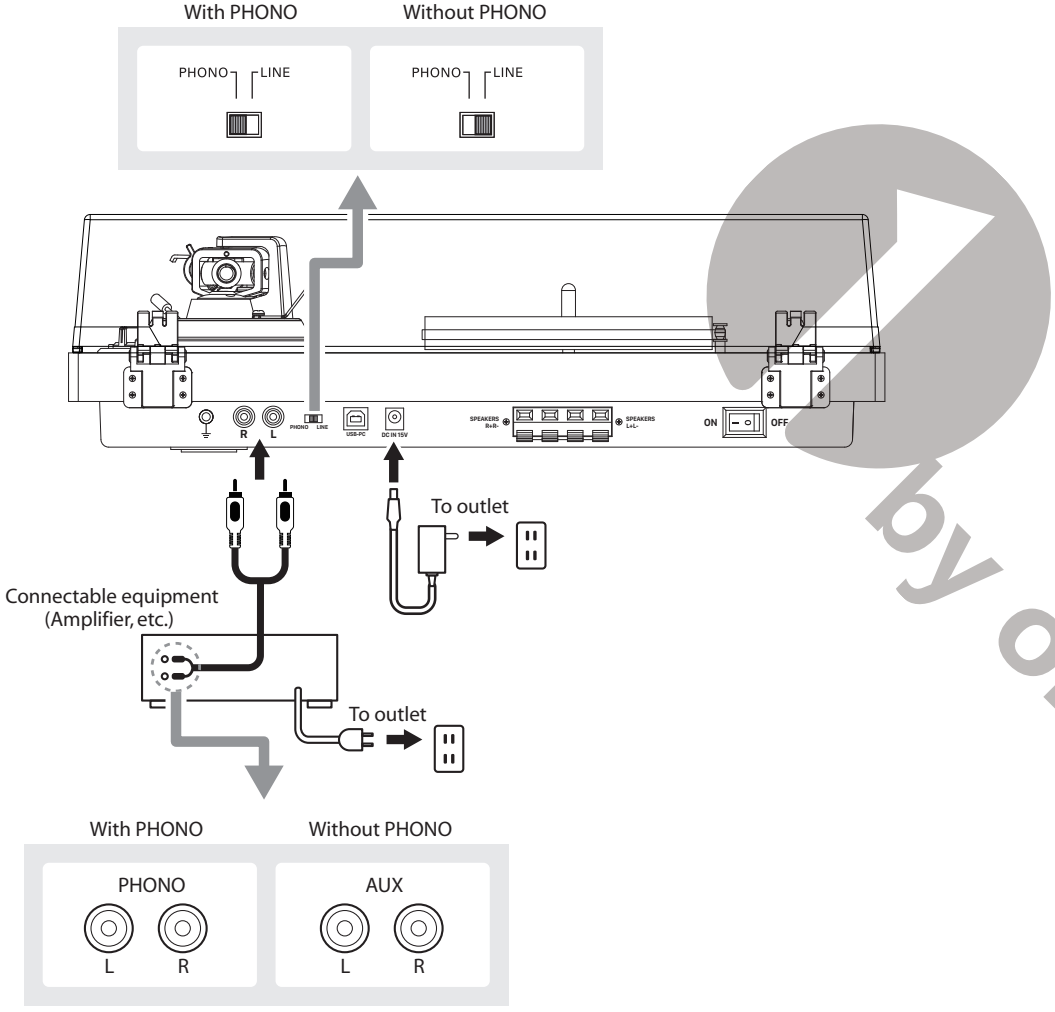
NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there will be no sound.

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2.2 Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.).

• The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



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Main Power Connection

1. Insert the DC plug of the AC adapter cord into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Power Management Function

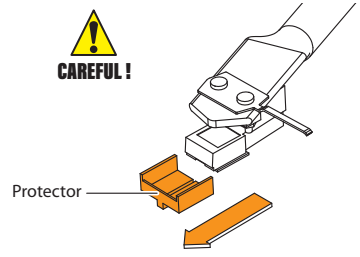
The turntable will automatically go into standby mode after 15 minutes of inactivity. To resume operation, press and hold the Mode button for 3 seconds.

Playing a Record

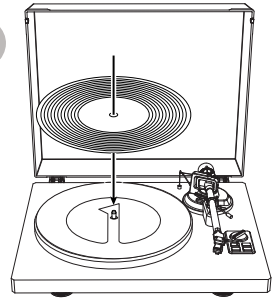
1. Before playing a record

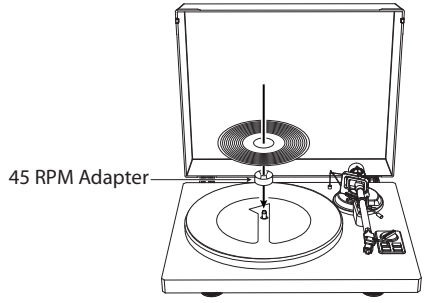
1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



1.2 Place the record on the felt mat so that the center hole aligns with the spindle.





If playing a 45 RPM record with a large center hole, attach the 45 RPM adapter.

2. Turntable Operation

Lower the volume of the amplifier, speakers, etc. sufficiently.

2.1 Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.

2.2 Remove the stylus protector from the stylus.

2.3 Press the MODE button to choose turntable mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode.

2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.



45RPM Adapter

2.5 Press the 33 or 45 RPM speed button according to the type of record.

2.6 Press the Play/Stop button. The platter will start spinning.

2.7 Unlock the tonearm clip and set the tonearm lift lever to the up position.

2.8 Position the tonearm over the desired location (groove) on the record.

2.9 Carefully lower the tonearm on the record.

2.10 Turn up the volume of the turntable as needed.

2.11 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and press the Play/Stop button to stop.

NOTE:

1. If the silent pause time between each track is longer than 1 minute, the platter will stop spinning automatically to avoid damaging the record. This stoppage does not mean the turntable is defective.
2. If the felt mat gets dirty, it can easily scratch the record, so remove the felt mat periodically and wipe off any dust.
3. To prevent the record from scratches and warping, remove it after use.
4. Do not use a disk stabilizer.

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Bluetooth Operation

1. Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.
2. Press the MODE button to choose Bluetooth mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode. You will hear an activation sound from the turntable.
3. Turn on the Bluetooth feature of your media device and search for and select "**1byone BS017**" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the turntable will play a short confirmation sound.
5. Play and stream music from your media device to the turntable.

Note: Bluetooth version: 5.0

Recording the Vinyl to Your Computer

Please follow the below steps to set up Audacity to record from the USB audio device. For more details, please refer to the BRIEF INTRODUCTION OF AUDACITY at https://manual.audacityteam.org/man/recording_with_usb_turntables.html

1. Download the Audacity software and complete installation

1.1 Ensure your Audacity software is up to date. You can download the current version from http://www.audacityteam.org/download/

1.2 Follow the instructions to complete installation.

2. Set up Audacity to record from the USB audio device

2.1 Connect the USB device

Use the supplied USB cable to connect your turntable and your computer. No extra driver is required.

2.2 System settings needed for Windows and Mac

Windows:

1. By the system clock, right-click over the **Speaker icon** select **Sounds** then the **Recording** tab, and then click on the **USB device** in the list and click **Properties**. Click the **Advanced** tab set your required bit rate and sample rate from the **Default Format** dropdown (normally "**2 channel 16-bit 44100 Hz**").
2. On the Advanced tab, in the "Default Format" section, make sure the dropdown menu is set to "**2 channel 16-bit 44100 Hz**".

For a more detailed walk-through of the above steps for Windows (*or if that does not work for your version of Windows*), see **Windows: accessing the Windows Sound controls**.

Mac:

1. From **Apple Menu > System Preferences** select "Sound" and click on the *Input* tab
2. Select "USB Audio CODEC" or similar as the input device and verify the **Recording Meter** shows input.
3. If the recording meter in the Sound preferences panel does not show input:
    1. From the Finder, select **Go > Utilities** and open **Audio MIDI Setup**.
    2. If the *Audio Devices* window is not visible, select **Window > Show Audio Devices**.
    3. Select your USB input device in the list in the left pane of the Audio Devices window.
    4. Set the Format to "**44100.0 Hz**" and "**2ch-16bit**".

For a more detailed walk-through of the above steps for Mac, see ***Mac and USB input devices*** on the Audacity Wiki.

2.3 Launch Audacity.

If Audacity was already running when you connected the cable, choose **Transport >Rescan Audio Devices** or restart Audacity.

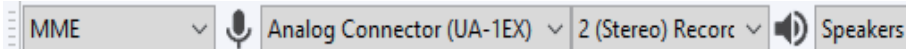
2.4 Project Rate

Set the Audacity Project Rate in **Selection Toolbar** at the bottom left of the Audacity screen to 44100 ***Hz***:



2.5 Devices

Use **Device Toolbar** to set the recording and playback devices and to set the recording channels to "2 (Stereo) Recording Channels", as in the below example on Windows 10:



- The Recording Device is set to the USB device (in this case the device name, but often called or including the phrase "USB Audio CODEC").
- Recording Channels is set to stereo.
- The Playback Device is set to the named speakers of the built-in computer sound device.
- These settings can also be changed in **Devices Preferences**.

Windows calls most USB external devices "microphones". Some higher-end USB recording interfaces may appear as their explicit manufacturer's name.

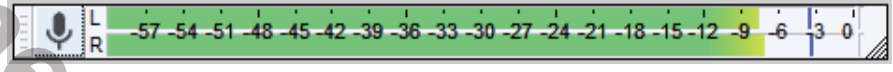
3. Software Playthrough

Use **Transport > Transport Options > Software Playthrough (on/off)** and click "**Software Playthrough**" to turn it "on" (the checkmark is shown when it is "on"). This setting can also be enabled or disabled in **Recording Preferences**. Software Playthrough lets you hear the turntable through the computer speakers when recording. It also lets you hear the turntable *without* recording if you turn on monitoring (see the next section below).

4. Monitoring

Enable monitoring to set the recording level

- Turn monitoring on by clicking once on the microphone icon in the **Recording Meter**.



- In **Mixer Toolbar**, turn up the left-hand playback volume slider (by the speaker icon).



- The right-hand recording volume slider (by the microphone icon) can often be used to vary the loudness of the recording, but it may not function with all turntables. If it does not, try adjusting the output level on the turntable (often, there is a gain control under the chassis).

  Alternatively, you may be able to adjust the input level on Windows and Linux only, usually by looking for the speaker icon by the system clock. On **Windows, right-click over the speaker icon > "Recording Devices"**. Then right-click over USB Audio Codec, choose "Properties" and click the *Levels* tab.

- Try to aim for a maximum peak of around –6 dB, which corresponds to around 0.5 on the **waveform**. You can always boost the level later with **Effect > Amplify...** or **Effect > Normalize**... after you have completed editing.

5. Recording

Then, ignoring any instructions in the manufacturer's guide to select "stereo mix", simply press the **Record** button ● in **Transport Toolbar** to start recording from the turntable.

6. Recording, editing and exporting

Once your USB turntable is set up and working properly, go to the **Basic Recording, Editing and Exporting** section of Audacity's **Tutorial - Copying tapes, LPs or MiniDiscs to CD** for instructions on how to:

- make and edit your recording
- export it to an audio file
- import it to iTunes or Windows Media Player
- burn it to CD

Audacity's reference links:

- **Basic Recording, Editing and Exporting :** *https://manual.audacityteam.org/man/basic_recording_editing_and_exporting.html*
- **Tutorial - Copying tapes, LPs or MiniDiscs to CD :** *https://manual.audacityteam.org/man/tutorial_copying_tapes_lps_or_minidiscs_to_cd.html*

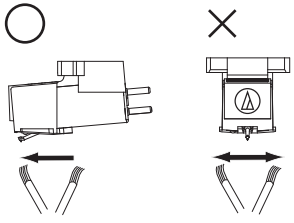
Care

Turntable Body

- When the turntable body is dirty or dusty, first disconnect the AC adapter, and then wipe off the dirt and dust with a soft, dry cloth.
- Do not use benzenes, thinners, etc.
- When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



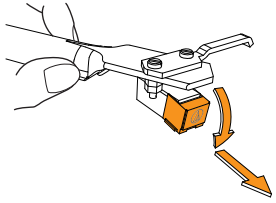
Replacing the Stylus

It's suggested to replace the stylus after 400 hours of use.

Removing the Stylus

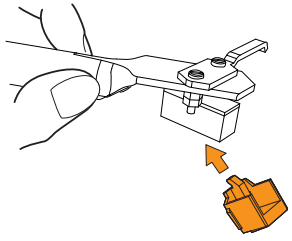
- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Be sure to disconnect the product's AC adapter from the outlet.
- When replacing the stylus, hold the headshell and the cartridge body tightly.

Rotate the front of the stylus in a forward and down motion.



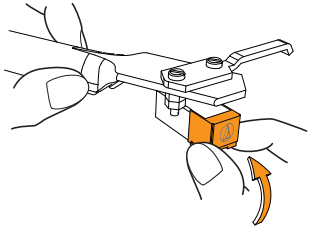
Installing a New Replacement Stylus

1. Mount the new replacement stylus to the cartridge.

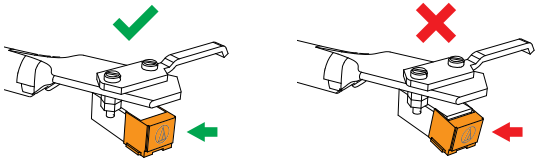


Engage in body first

2. Lift the stylus up until you hear a click.



3. Make sure there is no gap between the headshell and the cartridge.



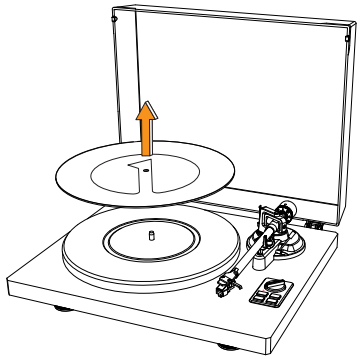
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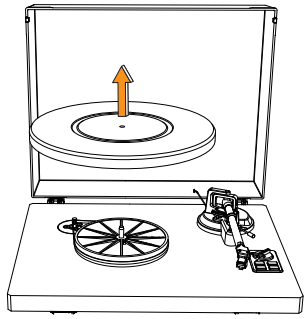
Replacing the Belt

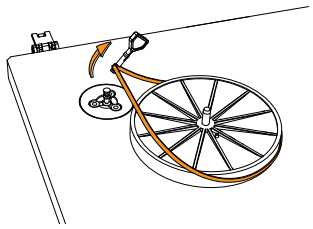
- The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.
- Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

1. Remove the slip mat.

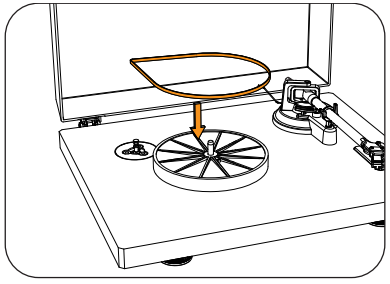


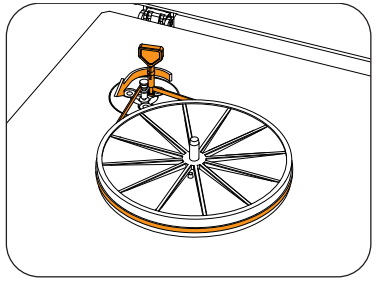
2. Remove the main platter, and then remove the old belt.



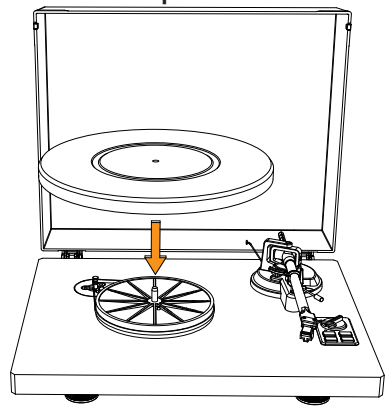


3. Loop the new belt around the sub-platter and motor pulley.

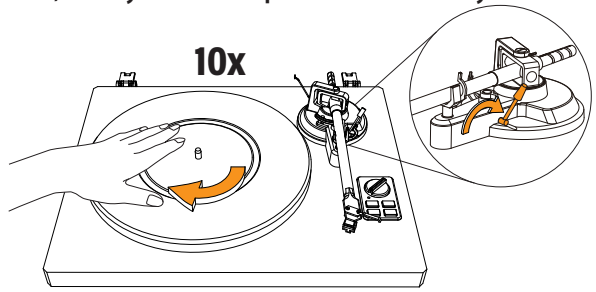




4. Place the main platter back onto the sub-platter.



5. Using your hands, slowly rotate the platter ten times by hand in the direction of the arrow.



When the Turntable is Moved

Using the product's original packing materials, wrap the turntable in the reverse order from when you unwrapped it. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not move.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

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Troubleshooting

Problem	Solution
The platter does not spin.	• Is the AC adapter connected to the outlet? -Connect the AC adapter to the outlet. • What's the status of the indicator light? - Power is on, but the indicator light is off. That means the turntable is in ERP mode. Press and hold the MODE button for 3 seconds to reboot the turntable. - The indicator light is blue. That means the turntable is in Bluetooth mode. Press the MODE button once to switch to Turntable mode. - The red indicator light will indicate Turntable mode. • Has the belt slipped from the platter? -Correctly place the belt on the platter. • Is the belt placed on the motor pulley? -Check that the belt is placed on the motor pulley (brass-colored) correctly. • Has the belt been damaged? -Replace it with a new belt.
The platter spins, but there is no sound or the volume is not loud enough.	• Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? -Check whether the settings for the connected equipment are correct. • Is the stylus damaged? -Check the stylus and replace it, if necessary. • Is the stylus placed correctly on the body of the cartridge? -Check the cartridge and adjust it, if necessary. • Are the setting positions for the pre-amplifier selector switch correct? -If you are connection to the speaker (not the speakers from the pack) with RCA audio cable, check that the pre-amplifier settings are correct, noting the following common problems and their causes: -If there is no sound, or if the volume is not loud enough, the product is set to the "PHONO" position and connected to the amplifier's AUX/LINE input. -If the volume is too loud or is distorted, the product is set to the "LINE" position, and the connectable equipment is connected to the PHONO input.
The stylus skips.	• Is the record warped? -Check the record. • Is the record scratched? -Check the record.
There is howling.	• Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? -Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. • Is the product mounted on an unstable surface? -Check whether the surface on which the product is mounted is suitable.
There is noise when the record is playing.	• Is there dust on the cartridge's stylus tip? -If dust is stuck to the stylus tip, clean it with a commercially sold brush.
The sound when the record is playing is either too fast or too slow.	• Are the speed settings for this product correct? -Please select the correct speed for the type of record being played.
Playback speed slows down or there is irregular rotation.	• Is the belt stretched out? -Replace it with a new belt.
Needle isn't touching the record.	• The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface.	• Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two trouble shooting topics.

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Specifications

Turntable

Model	471NA-0010,H004
Power	AC power adapter, DC output 15V 2400mA
Power Consumption	70W
Turntable Speed	33 1/3, 45 RPM
Wow and Flutter	±0.15%
Signal to Noise	-65dB
Tracking Force Range	0-6.0g
Effective Tonearm Length	8.6" (218.5mm)
Dimensions (L x W x H)	16.34" x 14.17" x 5.51" (415 x 560 x 240mm) (lid closed), 16.34" x 16.34" x 16.34" (415 x 415 x 415mm) (lid open)
Weight	20.9lb (9.5kg)

Stylus

Model	Audio-Technica AT3600L
Frequency Response	20Hz - 20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) - input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz (5.1g)

Speaker

Output Power	18W*2
Speaker Units	Woofer: 4" Tweeter: 2"
Impedance	4 Ω
Frequency Response	50Hz-20KHz
Dimensions	6.3" x 6.2" x 9.8" (160 x 158 x 249mm)
Weight	8.4lbs (3.8kg)

Note: Design and specifications are subject to change without notice.

This product's packaging is made from environmentally friendly material and can be disposed of at your local recycling plant.

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Introduction

Thank you for purchasing 1byone Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not use the turntable near water.
2. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
3. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
4. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
5. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
6. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
8. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
9. Do not use attachments not recommended by the manufacturer as they may cause hazards.
10. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.



11. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
12. Unplug the product during lightning storms or when unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

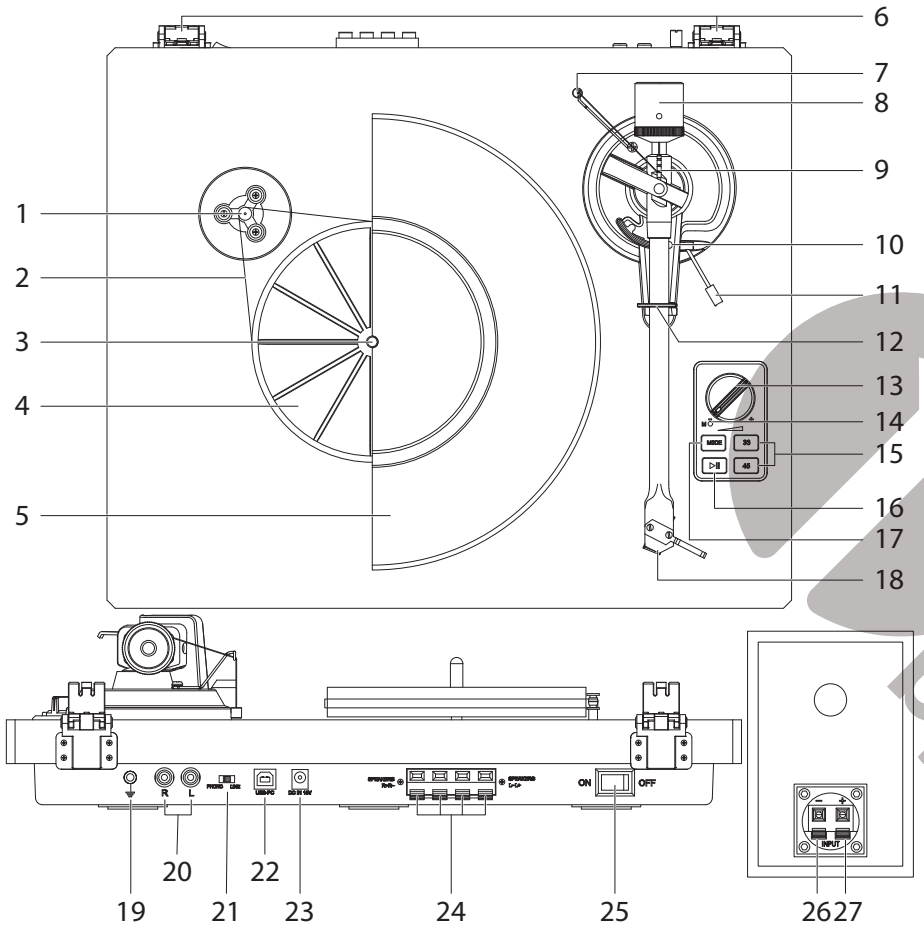
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm - HYPERLINK "http://www.P65Warnings.ca.gov."
For more information go to HYPERLINK "http://www.1byonebros.com/Compliance/Prop65"

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Product Description



1. Motor Pulley
2. Drive Belt
3. Turntable Spindle
4. Turntable Sub-platter
5. Turntable Platter
6. Lid Hinge
7. Anti-skating Weight
8. Counterweight
9. Anti-skating Stick
10. Tonearm Rest
11. Tonearm Lift Lever
12. Tonearm Clip
13. Volume Control
14. Indicator
15. 33/45RPM Selector
16. Play/Stop Button
17. Mode Button
18. Stylus Cartridge
19. Ground Connector
20. Phono & Line Out Jacks
21. Phono & Line Out Switch
22. USB Port for PC Link
23. Power Cord Jack
24. External Speaker Jacks
25. Power Switch
26. Speaker Jack -
27. Speaker Jack +

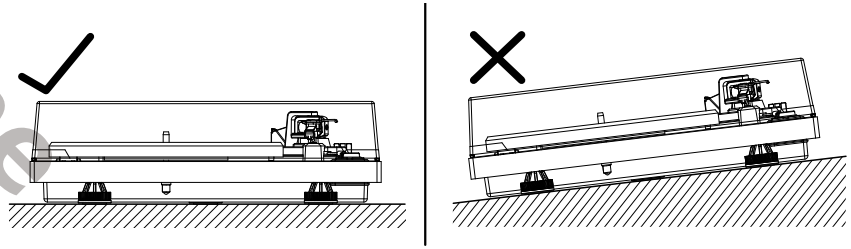
Included Items

Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

- 1 x Turntable Unit
- 2 x Speakers
- 1 x Turntable Lid
- 1 x Slip Mat
- 1 x Turntable Platter
- 1 x Tonearm Counterweight
- 1 x Anti-skating Weight
- 1 x 45 RPM adapter
- 1 x Drive Belt
- 1 x Sub-platter
- 1 x Belt Hook
- 1 x Power Adapter
- 1 x USB Cable for PC Link
- 2 x Audio Cables for Speakers
- 1 x Cartridge Adjustment Card
- 1 x Instruction Manual

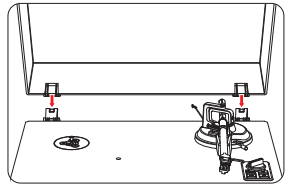
Installing the Turntable

- Mount the product on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.



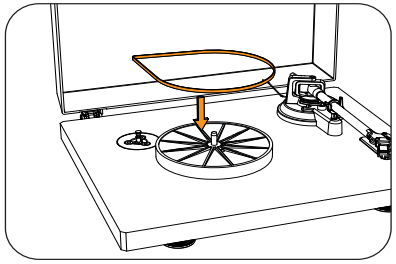
Installing the Lid

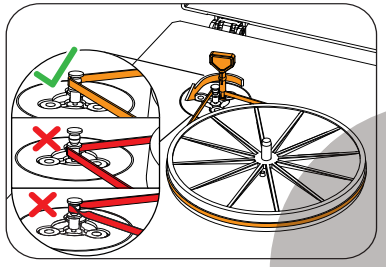
Insert the hinge pockets of the lid onto the hinges of the turntable.



Turntable Platter and Belt Setup

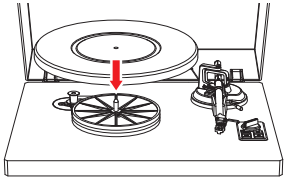
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface.
2. Insert the sub-platter into the turntable spindle located in the middle of the turntable.
3. Loop the drive belt around the sub-platter and motor pulley (brass-colored).





4. Carefully place the main platter onto the sub-platter (Figure 1).

Figure 1



Rotating the Platter

1. Using your hands, slowly rotate the platter ten times in the direction of the arrow (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the 1byone logo on the mat is facing up (Figure 2).

Figure 1

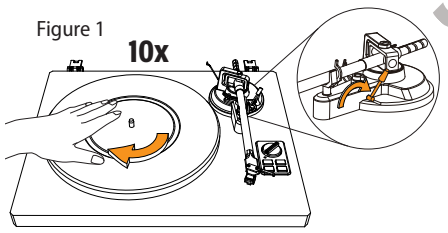
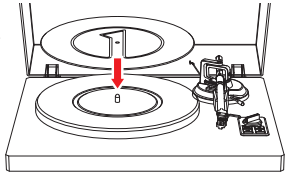


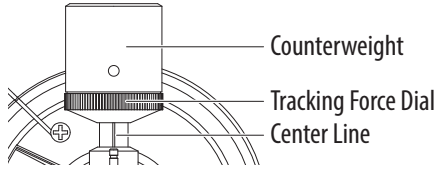
Figure 2



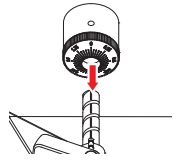
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Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

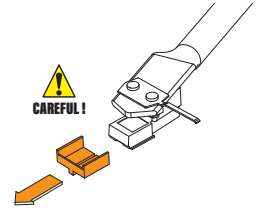


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).

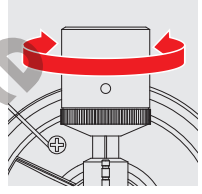


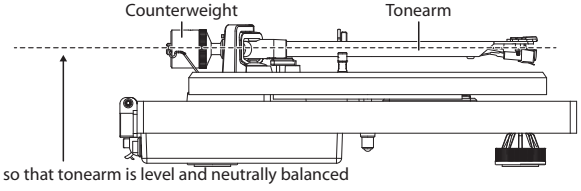
2. Pull the protector straight forward to remove it.

> **NOTE:** Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.

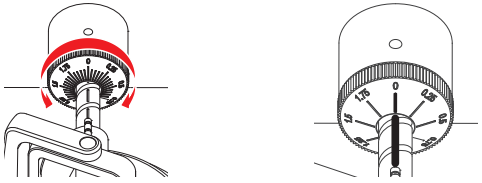


3. Remove the tie-wrap and unlock the tonearm.
4. Lower the tonearm lift lever and position the cartridge in the space between the tonearm rest and platter.
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance. The tonearm should return to this balanced position if it is moved up or down. This adjustment must be done carefully.

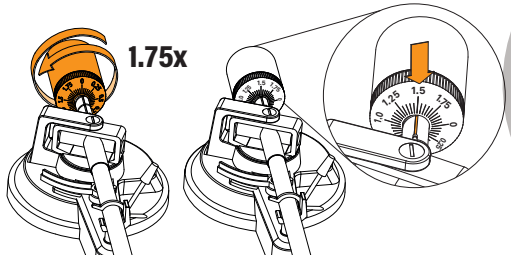




6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with black center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.



7. Rotate the counterweight counter clockwise (as seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.



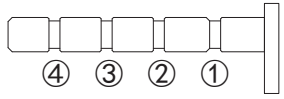
Note: Each mark on the scale represents 0.05g. The recommended tracking force for the factory-installed cartridge is 3.5g±0.5g. The cartridge tracking force only goes up to 2g for one rotation of the tracking force dial. You will need to make more than one rotation to reach 3.5g.

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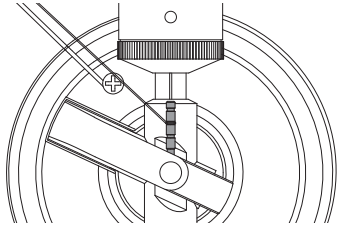
Anti-skating Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

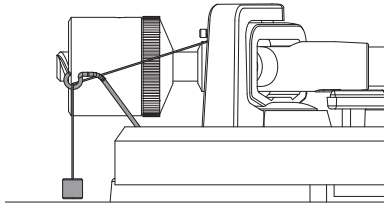
Tracking Force	Groove in the Stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20mN	3rd from the bearing ring
>20mN	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set the correct anti-skating force for the factory-installed cartridge.



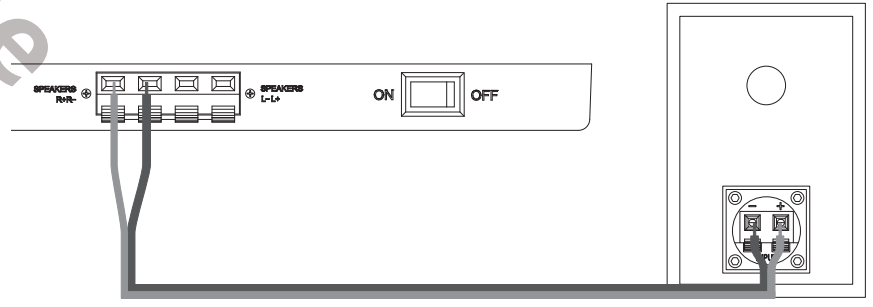
2. Feed the thread through the loop of the wire hanger.



Connection to Speakers

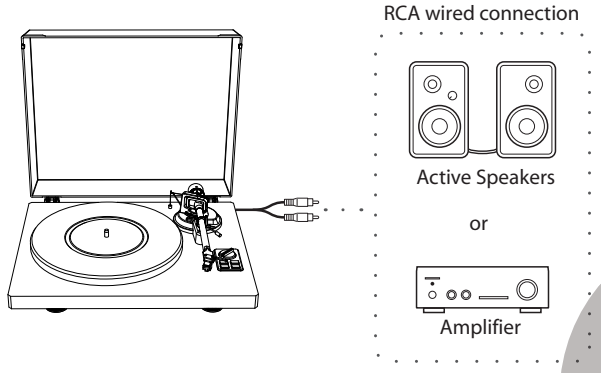
1. Connection to the Included Speakers

This turntable includes a built-in preamp and comes supplied with Hi-Fi speakers. Connect the speakers using the included audio cable (dark cable to black cable clamp and light cable to red cable clamp).



2. Connection to External Speaker with the RCA Audio Cable

If you wish to use your own amplifier or speakers, please follow the instructions below:



2.1 Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

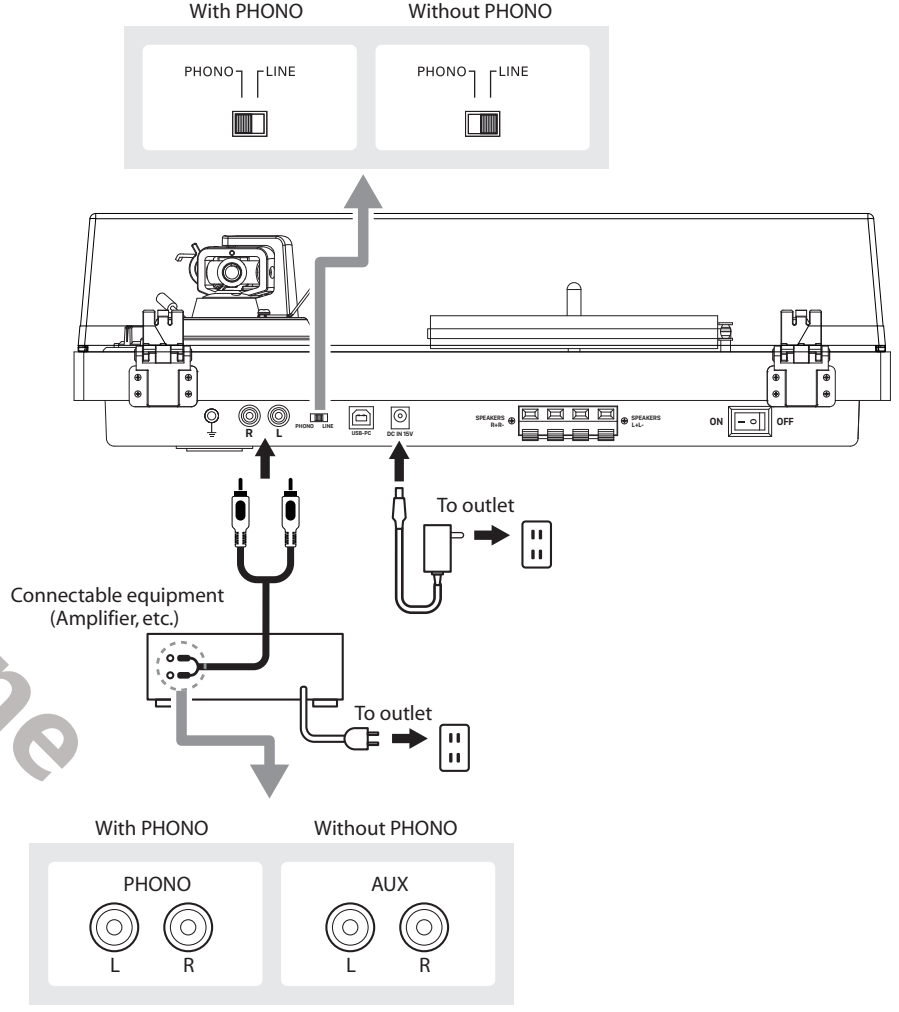
When connecting via the included speakers, using the pre-amplifier selector switch is not necessary.

NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there will be no sound.

2.2 Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.).

• The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



Main Power Connection

1. Insert the DC plug of the AC adapter cord into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Power Management Function

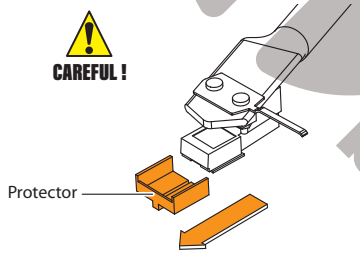
The turntable will automatically go into standby mode after 15 minutes of inactivity. To resume operation, press and hold the Mode button for 3 seconds.

Playing a Record

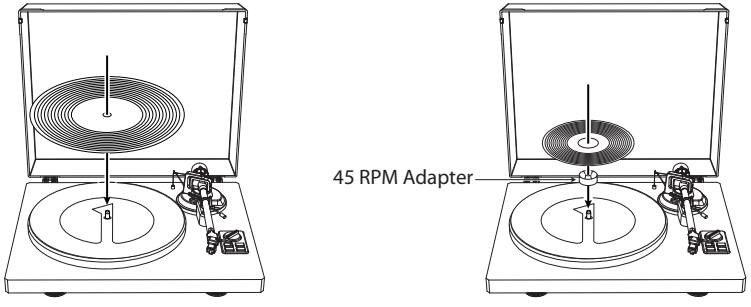
1. Before playing a record

1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



1.2 Place the record on the felt mat so that the center hole aligns with the spindle.



If playing a 45 RPM record with a large center hole, attach the 45 RPM adapter.

2. Turntable Operation

Lower the volume of the amplifier, speakers, etc. sufficiently.

2.1 Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.

2.2 Remove the stylus protector from the stylus.

2.3 Press the MODE button to choose turntable mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode.

2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.


45RPM Adapter

2.5 Press the 33 or 45 RPM speed button according to the type of record.

2.6 Press the Play/Stop button. The platter will start spinning.

2.7 Unlock the tonearm clip and set the tonearm lift lever to the up position.

2.8 Position the tonearm over the desired location (groove) on the record.

2.9 Carefully lower the tonearm on the record.

2.10 Turn up the volume of the turntable as needed.

2.11 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and press the Play/Stop button to stop.

NOTE:

1. If the silent pause time between each track is longer than 1 minute, the platter will stop spinning automatically to avoid damaging the record. This stoppage does not mean the turntable is defective.
2. If the felt mat gets dirty, it can easily scratch the record, so remove the felt mat periodically and wipe off any dust.
3. To prevent the record from scratches and warping, remove it after use.
4. Do not use a disk stabilizer.

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Bluetooth Operation

1. Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.
2. Press the MODE button to choose Bluetooth mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode. You will hear an activation sound from the turntable.
3. Turn on the Bluetooth feature of your media device and search for and select "**1byone BS017**" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the turntable will play a short confirmation sound.
5. Play and stream music from your media device to the turntable.

Note: Bluetooth version: 5.0

Recording the Vinyl to Your Computer

Please follow the below steps to set up Audacity to record from the USB audio device. For more details, please refer to the BRIEF INTRODUCTION OF AUDACITY at https://manual.audacityteam.org/man/recording_with_usb_turntables.html

1. Download the Audacity software and complete installation

1.1 Ensure your Audacity software is up to date. You can download the current version from http://www.audacityteam.org/download/

1.2 Follow the instructions to complete installation.

2. Set up Audacity to record from the USB audio device

2.1 Connect the USB device

Use the supplied USB cable to connect your turntable and your computer. No extra driver is required.

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2.2 System settings needed for Windows and Mac

Windows:

1. By the system clock, right-click over the **Speaker icon** select **Sounds** then the **Recording** tab, and then click on the **USB device** in the list and click **Properties**. Click the **Advanced** tab set your required bit rate and sample rate from the **Default Format** dropdown (normally "**2 channel 16-bit 44100 Hz**").
2. On the Advanced tab, in the "Default Format" section, make sure the dropdown menu is set to "**2 channel 16-bit 44100 Hz**".

For a more detailed walk-through of the above steps for Windows (*or if that does not work for your version of Windows*), see **Windows: accessing the Windows Sound controls**.

Mac:

1. From **Apple Menu > System Preferences** select "Sound" and click on the *Input* tab
2. Select "USB Audio CODEC" or similar as the input device and verify the **Recording Meter** shows input.
3. If the recording meter in the Sound preferences panel does not show input:
   1. From the Finder, select **Go > Utilities** and open **Audio MIDI Setup**.
   2. If the *Audio Devices* window is not visible, select **Window > Show Audio Devices**.
   3. Select your USB input device in the list in the left pane of the Audio Devices window.
   4. Set the Format to "**44100.0 Hz**" and "**2ch-16bit**".

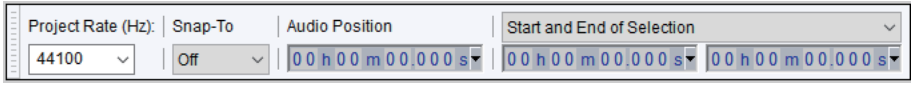
For a more detailed walk-through of the above steps for Mac**,** see ***Mac and USB input devices*** on the Audacity Wiki.

2.3 Launch Audacity.

If Audacity was already running when you connected the cable, choose **Transport >Rescan Audio Devices** or restart Audacity.

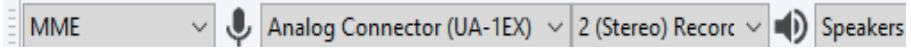
2.4 Project Rate

Set the Audacity Project Rate in **Selection Toolbar** at the bottom left of the Audacity screen to 44100 ***Hz***:



2.5 Devices

Use **Device Toolbar** to set the recording and playback devices and to set the recording channels to "2 (Stereo) Recording Channels", as in the below example on Windows 10:



- The Recording Device is set to the USB device (in this case the device name, but often called or including the phrase "USB Audio CODEC").
- Recording Channels is set to stereo.
- The Playback Device is set to the named speakers of the built-in computer sound device.
- These settings can also be changed in **Devices Preferences**.

Windows calls most USB external devices "microphones". Some higher-end USB recording interfaces may appear as their explicit manufacturer's name.

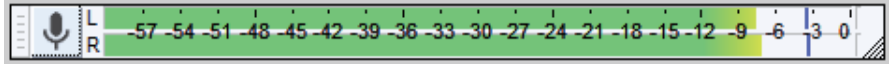
3. Software Playthrough

Use **Transport > Transport Options > Software Playthrough (on/off)** and click "**Software Playthrough**" to turn it "on" (the checkmark is shown when it is "on"). This setting can also be enabled or disabled in **Recording Preferences**. Software Playthrough lets you hear the turntable through the computer speakers when recording. It also lets you hear the turntable *without* recording if you turn on monitoring (see the next section below).

4. Monitoring

Enable monitoring to set the recording level

- Turn monitoring on by clicking once on the microphone icon in the **Recording Meter**.



- In **Mixer Toolbar**, turn up the left-hand playback volume slider (by the speaker icon).



- The right-hand recording volume slider (by the microphone icon) can often be used to vary the loudness of the recording, but it may not function with all turntables. If it does not, try adjusting the output level on the turntable (often, there is a gain control under the chassis).

  Alternatively, you may be able to adjust the input level on Windows and Linux only, usually by looking for the speaker icon by the system clock. On **Windows, right-click over the speaker icon > "Recording Devices**". Then right-click over USB Audio Codec, choose "Properties" and click the *Levels* tab.

- Try to aim for a maximum peak of around –6 dB, which corresponds to around 0.5 on the **waveform**. You can always boost the level later with **Effect > Amplify...** or **Effect > Normalize**... after you have completed editing.

5. Recording

Then, ignoring any instructions in the manufacturer's guide to select "stereo mix", simply press the **Record** button ● in **Transport Toolbar** to start recording from the turntable.

6. Recording, editing and exporting

Once your USB turntable is set up and working properly, go to the **Basic Recording, Editing and Exporting** section of Audacity's **Tutorial - Copying tapes, LPs or MiniDiscs to CD** for instructions on how to:

- make and edit your recording
- export it to an audio file
- import it to iTunes or Windows Media Player
- burn it to CD

Audacity's reference links:

- **Basic Recording, Editing and Exporting :** *https://manual.audacityteam.org/man/basic_recording_editing_and_exporting.html*
- **Tutorial - Copying tapes, LPs or MiniDiscs to CD :** *https://manual.audacityteam.org/man/tutorial_copying_tapes_lps_or_minidiscs_to_cd.html*

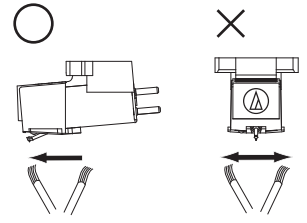
Care

Turntable Body

- When the turntable body is dirty or dusty, first disconnect the AC adapter, and then wipe off the dirt and dust with a soft, dry cloth.
- Do not use benzenes, thinners, etc.
- When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



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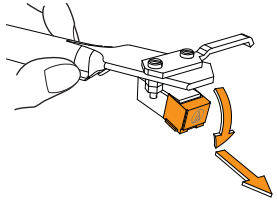
Replacing the Stylus

It's suggested to replace the stylus after 400 hours of use.

Removing the Stylus

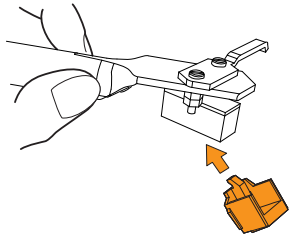
- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Be sure to disconnect the product's AC adapter from the outlet.
- When replacing the stylus, hold the headshell and the cartridge body tightly.

Rotate the front of the stylus in a forward and down motion.



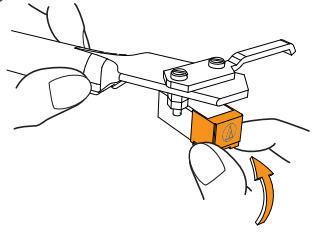
Installing a New Replacement Stylus

1. Mount the new replacement stylus to the cartridge.

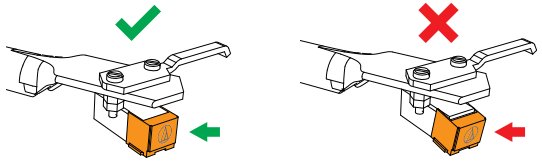


Engage in body first

2. Lift the stylus up until you hear a click.



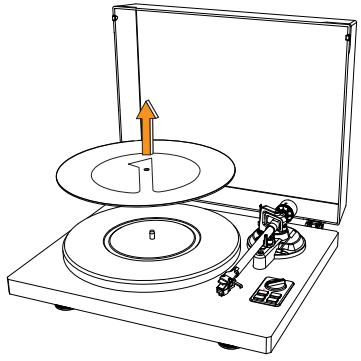
3. Make sure there is no gap between the headshell and the cartridge.



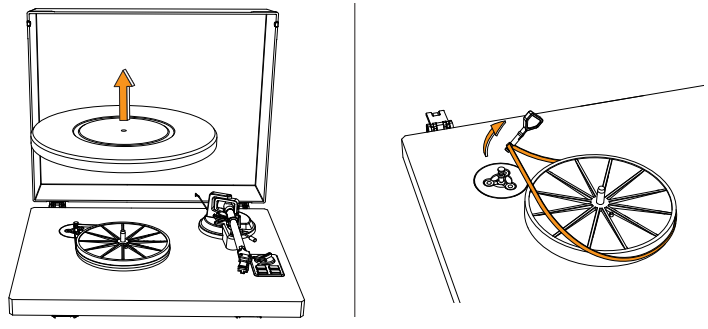
Replacing the Belt

- The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.
- Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

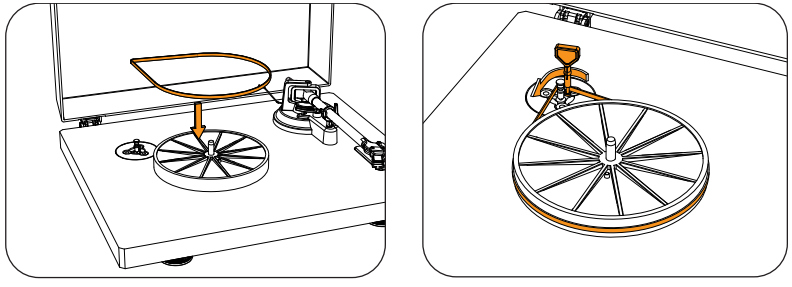
1. Remove the slip mat.



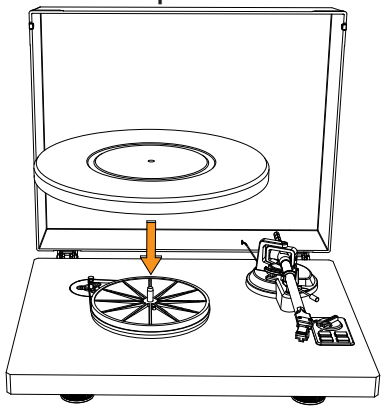
2. Remove the main platter, and then remove the old belt.



3. Loop the new belt around the sub-platter and motor pulley.

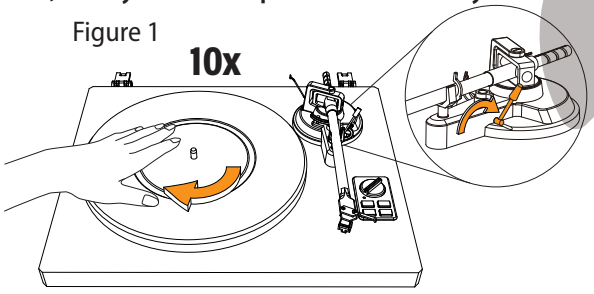


4. Place the main platter back onto the sub-platter.



5. Using your hands, slowly rotate the platter ten times by hand in the direction of the arrow.

Figure 1



When the Turntable is Moved

Using the product's original packing materials, wrap the turntable in the reverse order from when you unwrapped it. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not move.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

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Troubleshooting

Problem	Solution
The platter does not spin.	• Is the AC adapter connected to the outlet? -Connect the AC adapter to the outlet. • What's the status of the indicator light? - Power is on, but the indicator light is off. That means the turntable is in ERP mode. Press and hold the MODE button for 3 seconds to reboot the turntable. - The indicator light is blue. That means the turntable is in Bluetooth mode. Press the MODE button once to switch to Turntable mode. - The red indicator light will indicate Turntable mode. • Has the belt slipped from the platter? -Correctly place the belt on the platter. • Is the belt placed on the motor pulley? -Check that the belt is placed on the motor pulley (brass-colored) correctly. • Has the belt been damaged? -Replace it with a new belt.
The platter spins, but there is no sound or the volume is not loud enough.	• Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? -Check whether the settings for the connected equipment are correct. • Is the stylus damaged? -Check the stylus and replace it, if necessary. • Is the stylus placed correctly on the body of the cartridge? -Check the cartridge and adjust it, if necessary. • Are the setting positions for the pre-amplifier selector switch correct? -If you are connection to the speaker (not the speakers from the pack) with RCA audio cable, check that the pre-amplifier settings are correct, noting the following common problems and their causes: -If there is no sound, or if the volume is not loud enough, the product is set to the "PHONO" position and connected to the amplifier's AUX/LINE input. -If the volume is too loud or is distorted, the product is set to the "LINE" position, and the connectable equipment is connected to the PHONO input.

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The stylus skips.	• Is the record warped? -Check the record. • Is the record scratched? -Check the record.
There is howling.	• Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? -Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. • Is the product mounted on an unstable surface? -Check whether the surface on which the product is mounted is suitable.
There is noise when the record is playing.	• Is there dust on the cartridge's stylus tip? -If dust is stuck to the stylus tip, clean it with a commercially sold brush.
The sound when the record is playing is either too fast or too slow.	• Are the speed settings for this product correct? -Please select the correct speed for the type of record being played.
Playback speed slows down or there is irregular rotation.	• Is the belt stretched out? -Replace it with a new belt.
Needle isn't touching the record.	• The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface.	• Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two trouble shooting topics.

Specifications

Turntable

Power	AC power adapter, DC output 15V 2400mA
Power Consumption	70W
Turntable Speed	33 1/3, 45 RPM
Wow and Flutter	±0.15%
Signal to Noise	-65dB
Tracking Force Range	0-6.0g
Effective Tonearm Length	8.6" (218.5mm)
Dimensions (L x W x H)	16.34" x 14.17" x 5.51" (415 x 560 x 240mm) (lid closed), 16.34" x 16.34" x 16.34" (415 x 415 x 415mm) (lid open)
Weight	20.9lb (9.5kg)

Stylus

Model	Audio-Technica AT3600L
Frequency Response	20Hz - 20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) - input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz (5.1g)

Speaker

Output Power	18W*2
Speaker Units	Woofer: 4" Tweeter: 2"
Impedance	4 Ω
Frequency Response	50Hz-20KHz
Dimensions	6.3" x 6.2" x 9.8" (160 x 158 x 249mm)
Weight	8.4lbs (3.8kg)

Note: Design and specifications are subject to change without notice.

Entsorgung

Gerät Entsorgen



Werfen Sie das Gerät keinesfalls in den normalen Hausmüll. Dieses Produkt unterliegt der europäischen Richtlinie 2012/19/EU..

Entsorgen Sie das Gerät über einen zugelassenen Entsorgungsbetrieb oder über Ihre kommunale Entsorgungseinrichtung. Beachten Sie die aktuell geltenden Vorschriften.

Setzen Sie sich im Zweifelsfall mit Ihrer Entsorgungseinrichtung in Verbindung.



Die Verpackung besteht aus umweltfreundlichen Materialien, die Sie über die örtlichen Recyclingstellen entsorgen können.

1byone

Introduction

Thank you for purchasing 1byone Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not use the turntable near water.
2. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
3. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
4. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
5. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
6. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
8. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
9. Do not use attachments not recommended by the manufacturer as they may cause hazards.
10. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.



11. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
12. Unplug the product during lightning storms or when unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

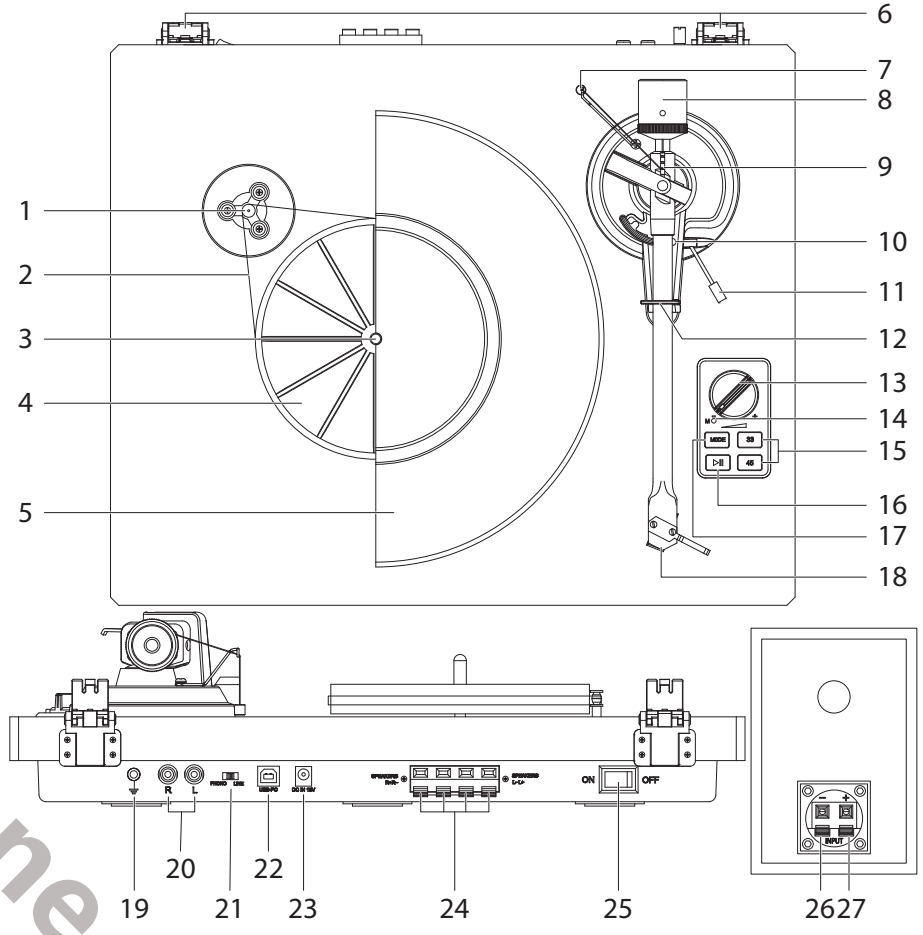
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm - HYPERLINK "http://www.P65Warnings.ca.gov."
For more information go to HYPERLINK "http://www.1byonebros.com/Compliance/Prop65"

Product Description



1. Motor Pulley
2. Drive Belt
3. Turntable Spindle
4. Turntable Sub-platter
5. Turntable Platter
6. Lid Hinge
7. Anti-skating Weight
8. Counterweight
9. Anti-skating Stick
10. Tonearm Rest
11. Tonearm Lift Lever
12. Tonearm Clip
13. Volume Control
14. Indicator
15. 33/45RPM Selector
16. Play/Stop Button
17. Mode Button
18. Stylus Cartridge
19. Ground Connector
20. Phono & Line Out Jacks
21. Phono & Line Out Switch
22. USB Port for PC Link
23. Power Cord Jack
24. External Speaker Jacks
25. Power Switch
26. Speaker Jack -
27. Speaker Jack +

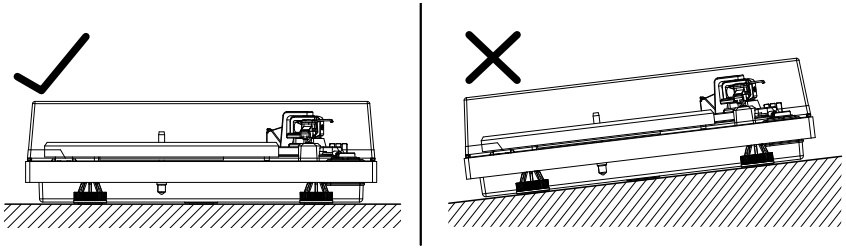
Included Items

Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

- 1 x Turntable Unit
- 2 x Speakers
- 1 x Turntable Lid
- 1 x Slip Mat
- 1 x Turntable Platter
- 1 x Tonearm Counterweight
- 1 x Anti-skating Weight
- 1 x 45 RPM adapter
- 1 x Drive Belt
- 1 x Sub-platter
- 1 x Belt Hook
- 1 x Power Adapter
- 1 x USB Cable for PC Link
- 2 x Audio Cables for Speakers
- 1 x Cartridge Adjustment Card
- 1 x Instruction Manual

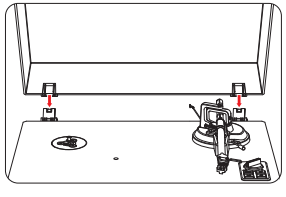
Installing the Turntable

- Mount the product on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.



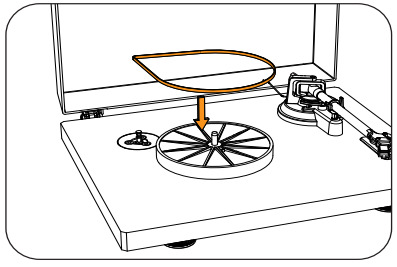
Installing the Lid

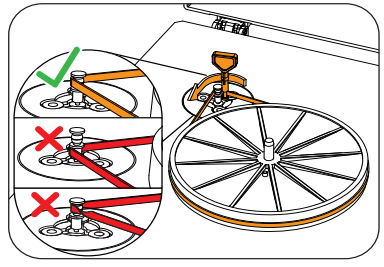
Insert the hinge pockets of the lid onto the hinges of the turntable.



Turntable Platter and Belt Setup

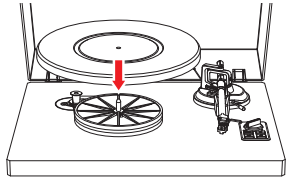
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface.
2. Insert the sub-platter into the turntable spindle located in the middle of the turntable.
3. Loop the drive belt around the sub-platter and motor pulley (brass-colored).





4. Carefully place the main platter onto the sub-platter (Figure 1).

Figure 1



Rotating the Platter

1. Using your hands, slowly rotate the platter ten times in the direction of the arrow (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the 1byone logo on the mat is facing up (Figure 2).

Figure 1

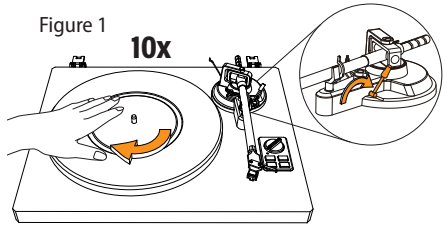
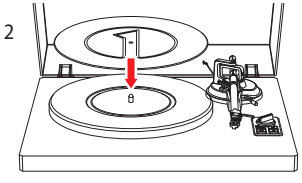


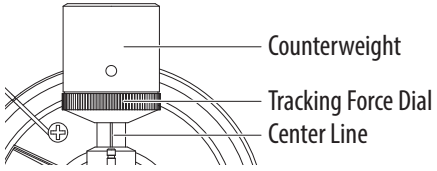
Figure 2



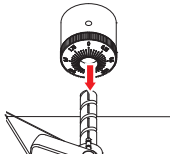
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Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

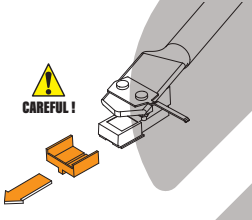


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).

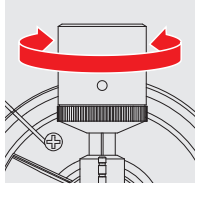


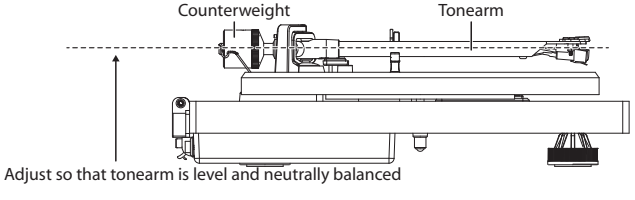
2. Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



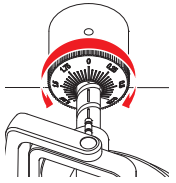
3. Remove the tie-wrap and unlock the tonearm.
4. Lower the tonearm lift lever and position the cartridge in the space between the tonearm rest and platter.
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance. The tonearm should return to this balanced position if it is moved up or down. This adjustment must be done carefully.

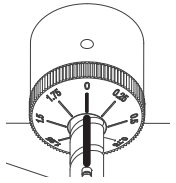




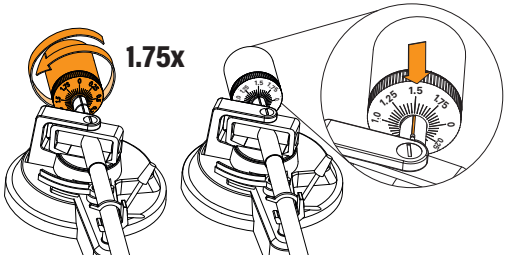
1 by one

6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with black center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.





7. Rotate the counterweight counter clockwise (as seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.



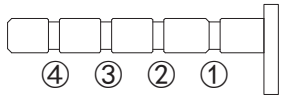
Note: Each mark on the scale represents 0.05g. The recommended tracking force for the factory-installed cartridge is 3.5g±0.5g. The cartridge tracking force only goes up to 2g for one rotation of the tracking force dial. You will need to make more than one rotation to reach 3.5g.

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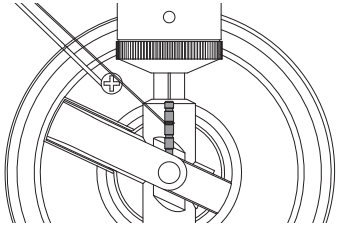
Anti-skating Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

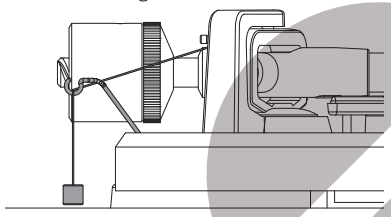
Tracking Force	Groove in the Stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20mN	3rd from the bearing ring
>20mN	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set the correct anti-skating force for the factory-installed cartridge.



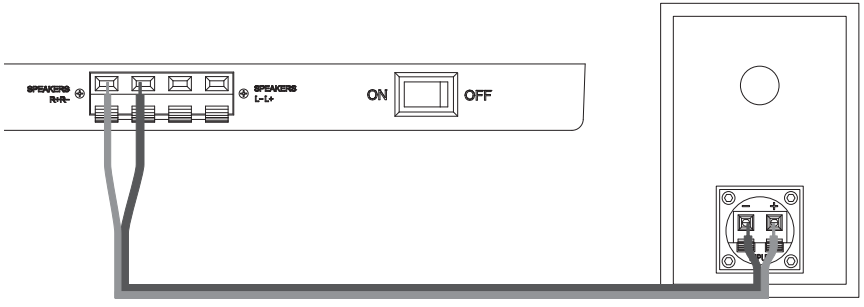
2. Feed the thread through the loop of the wire hanger.



Connection to Speakers

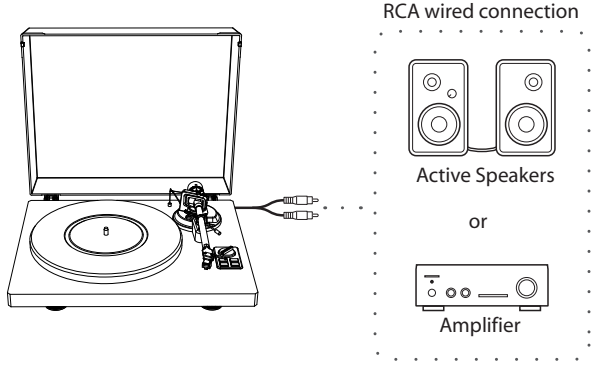
1. Connection to the Included Speakers

This turntable includes a built-in preamp and comes supplied with Hi-Fi speakers. Connect the speakers using the included audio cable (dark cable to black cable clamp and light cable to red cable clamp).



2. Connection to External Speaker with the RCA Audio Cable

If you wish to use your own amplifier or speakers, please follow the instructions below:



2.1 Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

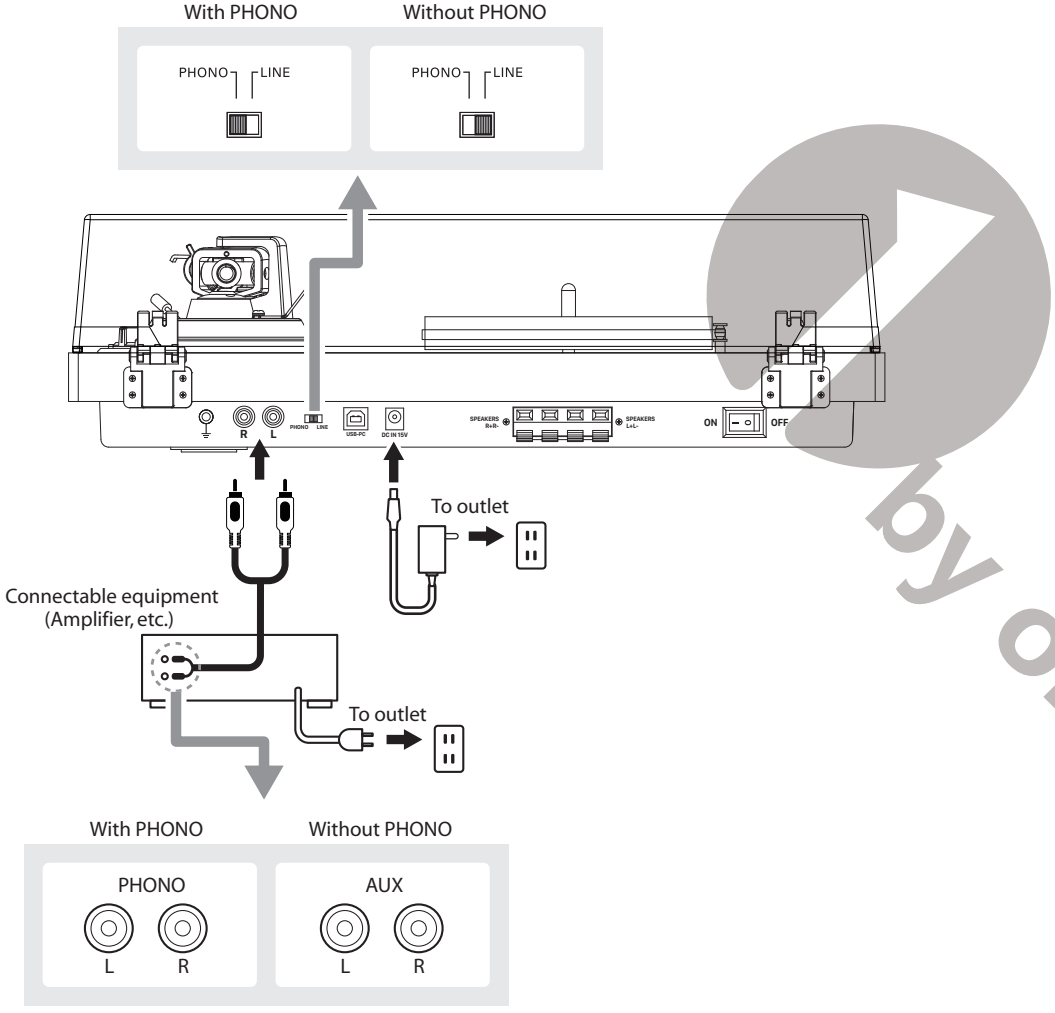
When connecting via the included speakers, using the pre-amplifier selector switch is not necessary.

NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there will be no sound.

2.2 Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.).

• The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



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Main Power Connection

1. Insert the DC plug of the AC adapter cord into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Power Management Function

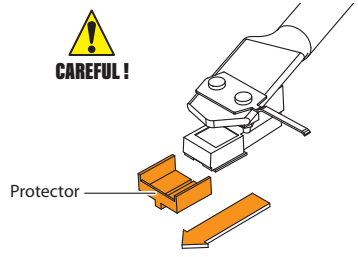
The turntable will automatically go into standby mode after 15 minutes of inactivity. To resume operation, press and hold the Mode button for 3 seconds.

Playing a Record

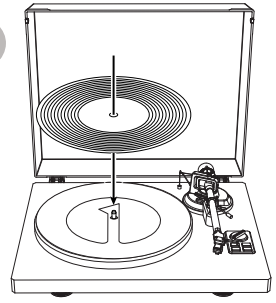
1. Before playing a record

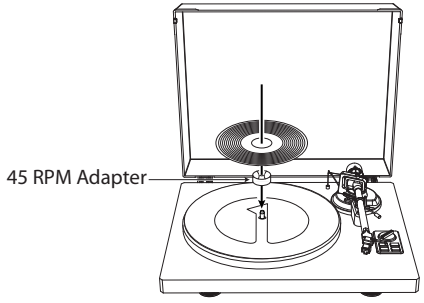
1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



1.2 Place the record on the felt mat so that the center hole aligns with the spindle.





If playing a 45 RPM record with a large center hole, attach the 45 RPM adapter.

2. Turntable Operation

Lower the volume of the amplifier, speakers, etc. sufficiently.

2.1 Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.

2.2 Remove the stylus protector from the stylus.

2.3 Press the MODE button to choose turntable mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode.

2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.



45RPM Adapter

2.5 Press the 33 or 45 RPM speed button according to the type of record.

2.6 Press the Play/Stop button. The platter will start spinning.

2.7 Unlock the tonearm clip and set the tonearm lift lever to the up position.

2.8 Position the tonearm over the desired location (groove) on the record.

2.9 Carefully lower the tonearm on the record.

2.10 Turn up the volume of the turntable as needed.

2.11 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and press the Play/Stop button to stop.

NOTE:

1. If the silent pause time between each track is longer than 1 minute, the platter will stop spinning automatically to avoid damaging the record. This stoppage does not mean the turntable is defective.
2. If the felt mat gets dirty, it can easily scratch the record, so remove the felt mat periodically and wipe off any dust.
3. To prevent the record from scratches and warping, remove it after use.
4. Do not use a disk stabilizer.

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Bluetooth Operation

1. Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.
2. Press the MODE button to choose Bluetooth mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode. You will hear an activation sound from the turntable.
3. Turn on the Bluetooth feature of your media device and search for and select "**1byone BS017**" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the turntable will play a short confirmation sound.
5. Play and stream music from your media device to the turntable.

Note: Bluetooth version: 5.0

Recording the Vinyl to Your Computer

Please follow the below steps to set up Audacity to record from the USB audio device. For more details, please refer to the BRIEF INTRODUCTION OF AUDACITY at https://manual.audacityteam.org/man/recording_with_usb_turntables.html

1. Download the Audacity software and complete installation

1.1 Ensure your Audacity software is up to date. You can download the current version from http://www.audacityteam.org/download/

1.2 Follow the instructions to complete installation.

2. Set up Audacity to record from the USB audio device

2.1 Connect the USB device

Use the supplied USB cable to connect your turntable and your computer. No extra driver is required.

2.2 System settings needed for Windows and Mac

Windows:

1. By the system clock, right-click over the **Speaker icon** select **Sounds** then the **Recording** tab, and then click on the **USB device** in the list and click **Properties**. Click the **Advanced** tab set your required bit rate and sample rate from the **Default Format** dropdown (normally "**2 channel 16-bit 44100 Hz**").
2. On the Advanced tab, in the "Default Format" section, make sure the dropdown menu is set to "**2 channel 16-bit 44100 Hz**".

For a more detailed walk-through of the above steps for Windows (*or if that does not work for your version of Windows*), see **Windows: accessing the Windows Sound controls**.

Mac:

1. From **Apple Menu > System Preferences** select "Sound" and click on the *Input* tab
2. Select "USB Audio CODEC" or similar as the input device and verify the **Recording Meter** shows input.
3. If the recording meter in the Sound preferences panel does not show input:
   1. From the Finder, select **Go > Utilities** and open **Audio MIDI Setup**.
   2. If the *Audio Devices* window is not visible, select **Window > Show Audio Devices**.
   3. Select your USB input device in the list in the left pane of the Audio Devices window.
   4. Set the Format to "**44100.0 Hz**" and "**2ch-16bit**".

For a more detailed walk-through of the above steps for Mac, see ***Mac and USB input devices*** on the Audacity Wiki.

2.3 Launch Audacity.

If Audacity was already running when you connected the cable, choose **Transport >Rescan Audio Devices** or restart Audacity.

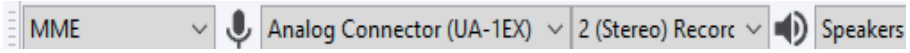
2.4 Project Rate

Set the Audacity Project Rate in **Selection Toolbar** at the bottom left of the Audacity screen to 44100 ***Hz***:



2.5 Devices

Use **Device Toolbar** to set the recording and playback devices and to set the recording channels to "2 (Stereo) Recording Channels", as in the below example on Windows 10:



- The Recording Device is set to the USB device (in this case the device name, but often called or including the phrase "USB Audio CODEC").
- Recording Channels is set to stereo.
- The Playback Device is set to the named speakers of the built-in computer sound device.
- These settings can also be changed in **Devices Preferences**.

Windows calls most USB external devices "microphones". Some higher-end USB recording interfaces may appear as their explicit manufacturer's name.

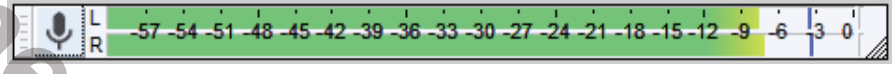
3. Software Playthrough

Use **Transport > Transport Options > Software Playthrough (on/off)** and click "**Software Playthrough**" to turn it "on" (the checkmark is shown when it is "on"). This setting can also be enabled or disabled in **Recording Preferences**. Software Playthrough lets you hear the turntable through the computer speakers when recording. It also lets you hear the turntable *without* recording if you turn on monitoring (see the next section below).

4. Monitoring

Enable monitoring to set the recording level

- Turn monitoring on by clicking once on the microphone icon in the **Recording Meter**.



- In **Mixer Toolbar**, turn up the left-hand playback volume slider (by the speaker icon).



- The right-hand recording volume slider (by the microphone icon) can often be used to vary the loudness of the recording, but it may not function with all turntables. If it does not, try adjusting the output level on the turntable (often, there is a gain control under the chassis).

  Alternatively, you may be able to adjust the input level on Windows and Linux only, usually by looking for the speaker icon by the system clock. On **Windows, right-click over the speaker icon > "Recording Devices"**. Then right-click over USB Audio Codec, choose "Properties" and click the *Levels* tab.

- Try to aim for a maximum peak of around –6 dB, which corresponds to around 0.5 on the **waveform**. You can always boost the level later with **Effect > Amplify...** or **Effect > Normalize**... after you have completed editing.

5. Recording

Then, ignoring any instructions in the manufacturer's guide to select "stereo mix", simply press the **Record** button ● in **Transport Toolbar** to start recording from the turntable.

6. Recording, editing and exporting

Once your USB turntable is set up and working properly, go to the **Basic Recording, Editing and Exporting** section of Audacity's **Tutorial - Copying tapes, LPs or MiniDiscs to CD** for instructions on how to:

- make and edit your recording
- export it to an audio file
- import it to iTunes or Windows Media Player
- burn it to CD

Audacity's reference links:

- **Basic Recording, Editing and Exporting :** *https://manual.audacityteam.org/man/basic_recording_editing_and_exporting.html*
- **Tutorial - Copying tapes, LPs or MiniDiscs to CD :** *https://manual.audacityteam.org/man/tutorial_copying_tapes_lps_or_minidiscs_to_cd.html*

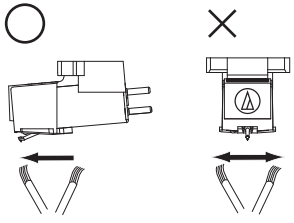
Care

Turntable Body

- When the turntable body is dirty or dusty, first disconnect the AC adapter, and then wipe off the dirt and dust with a soft, dry cloth.
- Do not use benzenes, thinners, etc.
- When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



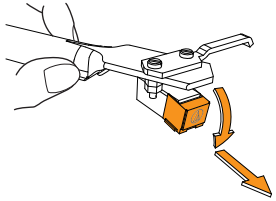
Replacing the Stylus

It's suggested to replace the stylus after 400 hours of use.

Removing the Stylus

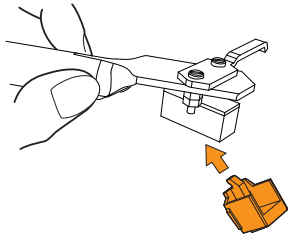
- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Be sure to disconnect the product's AC adapter from the outlet.
- When replacing the stylus, hold the headshell and the cartridge body tightly.

Rotate the front of the stylus in a forward and down motion.



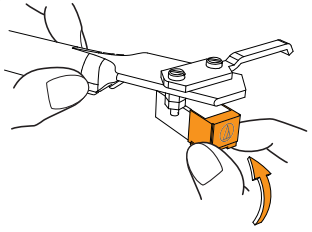
Installing a New Replacement Stylus

1. Mount the new replacement stylus to the cartridge.

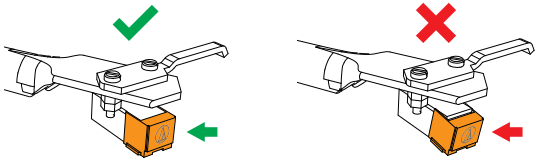


Engage in body first

2. Lift the stylus up until you hear a click.



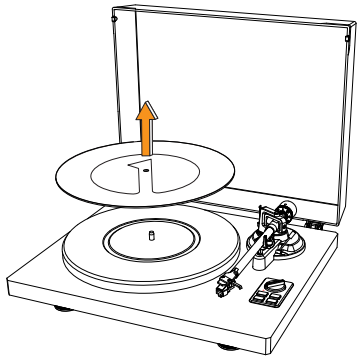
3. Make sure there is no gap between the headshell and the cartridge.



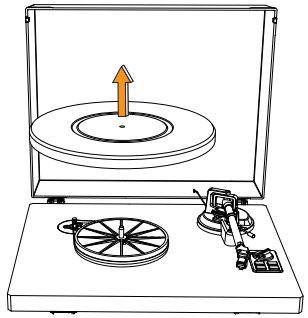
Replacing the Belt

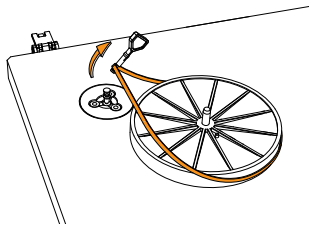
- The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.
- Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

1. Remove the slip mat.

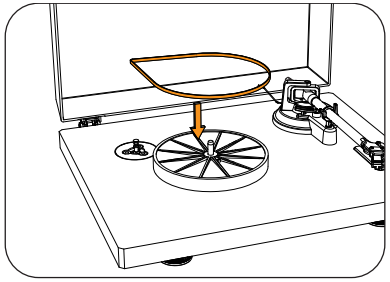


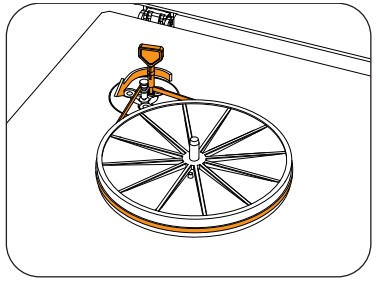
2. Remove the main platter, and then remove the old belt.



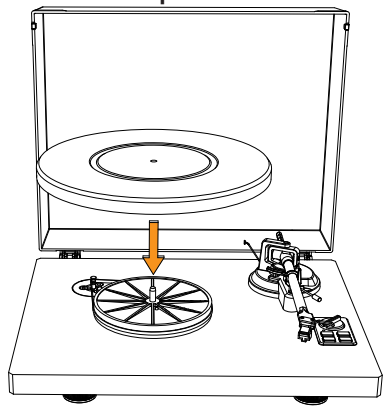


3. Loop the new belt around the sub-platter and motor pulley.



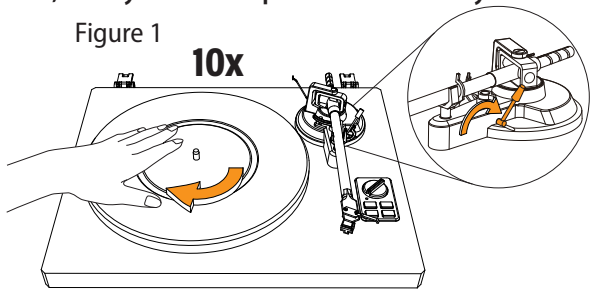


4. Place the main platter back onto the sub-platter.



5. Using your hands, slowly rotate the platter ten times by hand in the direction of the arrow.

Figure 1



When the Turntable is Moved

Using the product's original packing materials, wrap the turntable in the reverse order from when you unwrapped it. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not move.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

1 by one

Troubleshooting

Problem	Solution
The platter does not spin.	• Is the AC adapter connected to the outlet? -Connect the AC adapter to the outlet. • What's the status of the indicator light? - Power is on, but the indicator light is off. That means the turntable is in ERP mode. Press and hold the MODE button for 3 seconds to reboot the turntable. - The indicator light is blue. That means the turntable is in Bluetooth mode. Press the MODE button once to switch to Turntable mode. - The red indicator light will indicate Turntable mode. • Has the belt slipped from the platter? -Correctly place the belt on the platter. • Is the belt placed on the motor pulley? -Check that the belt is placed on the motor pulley (brass-colored) correctly. • Has the belt been damaged? -Replace it with a new belt.
The platter spins, but there is no sound or the volume is not loud enough.	• Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? -Check whether the settings for the connected equipment are correct. • Is the stylus damaged? -Check the stylus and replace it, if necessary. • Is the stylus placed correctly on the body of the cartridge? -Check the cartridge and adjust it, if necessary. • Are the setting positions for the pre-amplifier selector switch correct? -If you are connection to the speaker (not the speakers from the pack) with RCA audio cable, check that the pre-amplifier settings are correct, noting the following common problems and their causes: -If there is no sound, or if the volume is not loud enough, the product is set to the "PHONO" position and connected to the amplifier's AUX/LINE input. -If the volume is too loud or is distorted, the product is set to the "LINE" position, and the connectable equipment is connected to the PHONO input.
The stylus skips.	• Is the record warped? -Check the record. • Is the record scratched? -Check the record.
There is howling.	• Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? -Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. • Is the product mounted on an unstable surface? -Check whether the surface on which the product is mounted is suitable.
There is noise when the record is playing.	• Is there dust on the cartridge's stylus tip? -If dust is stuck to the stylus tip, clean it with a commercially sold brush.
The sound when the record is playing is either too fast or too slow.	• Are the speed settings for this product correct? -Please select the correct speed for the type of record being played.
Playback speed slows down or there is irregular rotation.	• Is the belt stretched out? -Replace it with a new belt.
Needle isn't touching the record.	• The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface.	• Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two trouble shooting topics.

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Specifications

Turntable

Power	AC power adapter, DC output 15V 2400mA
Power Consumption	70W
Turntable Speed	33 1/3, 45 RPM
Wow and Flutter	±0.15%
Signal to Noise	-65dB
Tracking Force Range	0-6.0g
Effective Tonearm Length	8.6" (218.5mm)
Dimensions (L x W x H)	16.34" x 14.17" x 5.51" (415 x 560 x 240mm) (lid closed), 16.34" x 16.34" x 16.34" (415 x 415 x 415mm) (lid open)
Weight	20.9lb (9.5kg)

Stylus

Model	Audio-Technica AT3600L
Frequency Response	20Hz - 20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) - input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz (5.1g)

Speaker

Output Power	18W*2
Speaker Units	Woofer: 4" Tweeter: 2"
Impedance	4 Ω
Frequency Response	50Hz-20KHz
Dimensions	6.3" x 6.2" x 9.8" (160 x 158 x 249mm)
Weight	8.4lbs (3.8kg)

Note: Design and specifications are subject to change without notice.

Mise au rebut

Mise au rebut de l'appareil



L'appareil ne doit en aucun cas être mis aux ordures ménagères normales. Ce produit est assujetti à la directive européenne 2012/19/EU.

Eliminez l'appareil par l'intermédiaire d'une entreprise de traitement des déchets autorisée ou via le service de recyclage de votre commune. Respectez laréglementation en vigueur. En cas de doute, veuillez contacter votre centre de recyclage.



L'emballage est réalisé à l'aide de matériaux écologiques qu'il est possible de confier aux centres de recyclage proches de chez vous.

Introduction

Thank you for purchasing 1byone Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not use the turntable near water.
2. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
3. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
4. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
5. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
6. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
8. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
9. Do not use attachments not recommended by the manufacturer as they may cause hazards.
10. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.



11. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
12. Unplug the product during lightning storms or when unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

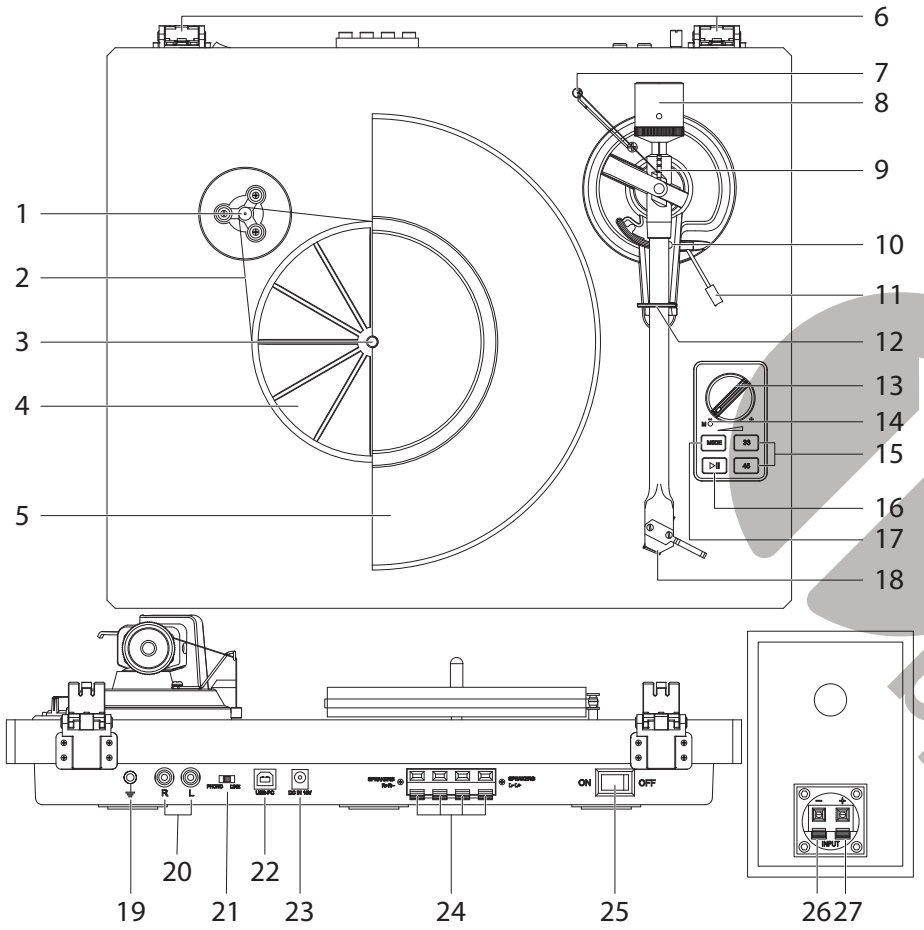
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm - HYPERLINK "http://www.P65Warnings.ca.gov."
For more information go to HYPERLINK "http://www.1byonebros.com/Compliance/Prop65"

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Product Description



1. Motor Pulley
2. Drive Belt
3. Turntable Spindle
4. Turntable Sub-platter
5. Turntable Platter
6. Lid Hinge
7. Anti-skating Weight
8. Counterweight
9. Anti-skating Stick
10. Tonearm Rest
11. Tonearm Lift Lever
12. Tonearm Clip
13. Volume Control
14. Indicator
15. 33/45RPM Selector
16. Play/Stop Button
17. Mode Button
18. Stylus Cartridge
19. Ground Connector
20. Phono & Line Out Jacks
21. Phono & Line Out Switch
22. USB Port for PC Link
23. Power Cord Jack
24. External Speaker Jacks
25. Power Switch
26. Speaker Jack -
27. Speaker Jack +

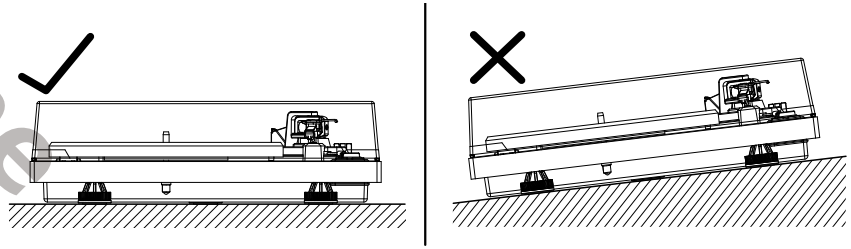
Included Items

Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

- 1 x Turntable Unit
- 2 x Speakers
- 1 x Turntable Lid
- 1 x Slip Mat
- 1 x Turntable Platter
- 1 x Tonearm Counterweight
- 1 x Anti-skating Weight
- 1 x 45 RPM adapter
- 1 x Drive Belt
- 1 x Sub-platter
- 1 x Belt Hook
- 1 x Power Adapter
- 1 x USB Cable for PC Link
- 2 x Audio Cables for Speakers
- 1 x Cartridge Adjustment Card
- 1 x Instruction Manual

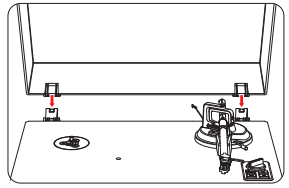
Installing the Turntable

- Mount the product on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.



Installing the Lid

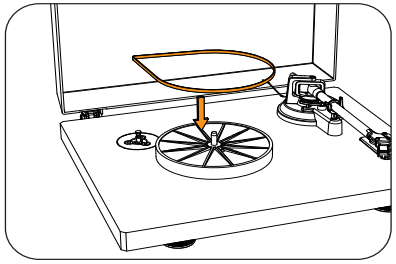
Insert the hinge pockets of the lid onto the hinges of the turntable.

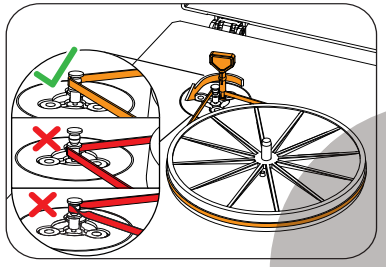


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Turntable Platter and Belt Setup

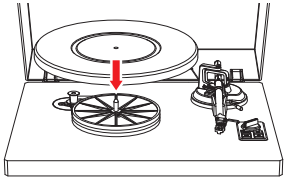
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface.
2. Insert the sub-platter into the turntable spindle located in the middle of the turntable.
3. Loop the drive belt around the sub-platter and motor pulley (brass-colored).





4. Carefully place the main platter onto the sub-platter (Figure 1).

Figure 1



Rotating the Platter

1. Using your hands, slowly rotate the platter ten times in the direction of the arrow (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the 1byone logo on the mat is facing up (Figure 2).

Figure 1

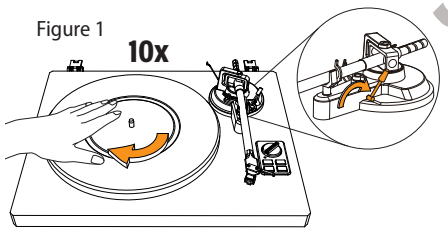
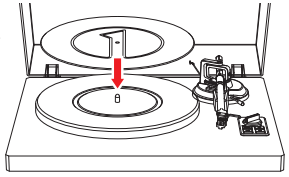


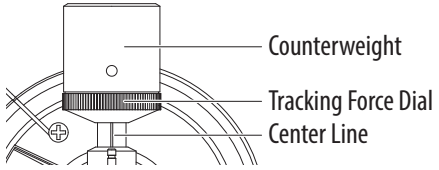
Figure 2



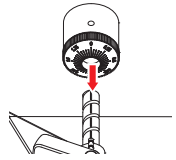
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Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

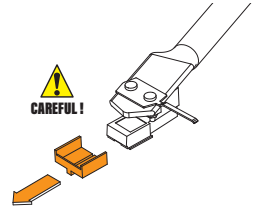


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).

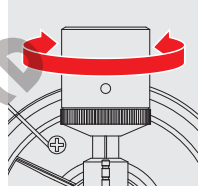


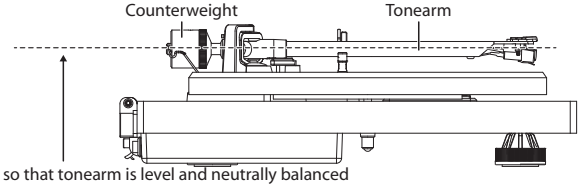
2. Pull the protector straight forward to remove it.

> **NOTE:** Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



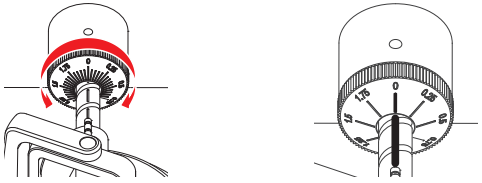
3. Remove the tie-wrap and unlock the tonearm.
4. Lower the tonearm lift lever and position the cartridge in the space between the tonearm rest and platter.
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance. The tonearm should return to this balanced position if it is moved up or down. This adjustment must be done carefully.



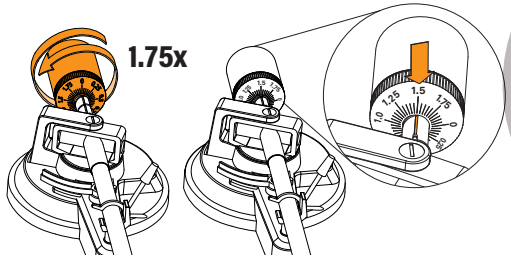


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6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with black center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.



7. Rotate the counterweight counter clockwise (as seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.



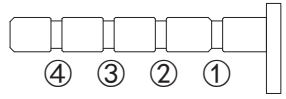
Note: Each mark on the scale represents 0.05g. The recommended tracking force for the factory-installed cartridge is 3.5g±0.5g. The cartridge tracking force only goes up to 2g for one rotation of the tracking force dial. You will need to make more than one rotation to reach 3.5g.

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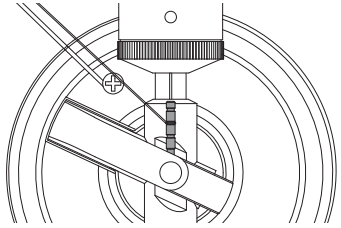
Anti-skating Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

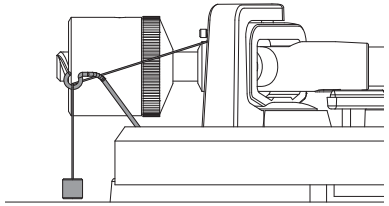
Tracking Force	Groove in the Stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20mN	3rd from the bearing ring
>20mN	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set the correct anti-skating force for the factory-installed cartridge.



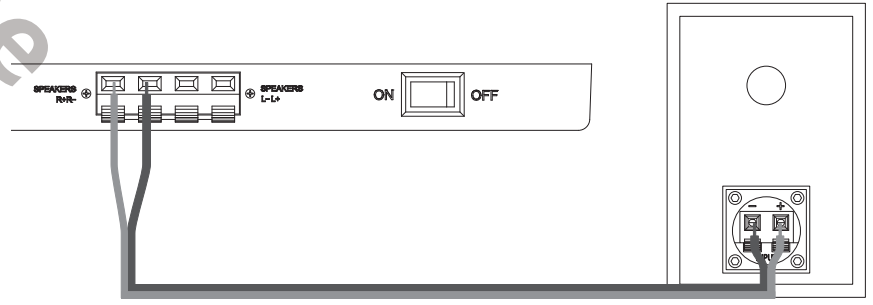
2. Feed the thread through the loop of the wire hanger.



Connection to Speakers

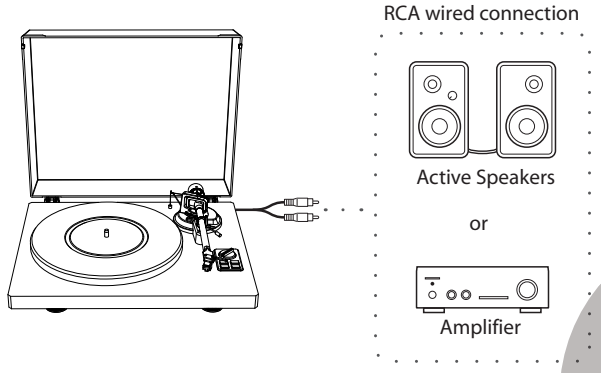
1. Connection to the Included Speakers

This turntable includes a built-in preamp and comes supplied with Hi-Fi speakers. Connect the speakers using the included audio cable (dark cable to black cable clamp and light cable to red cable clamp).



2. Connection to External Speaker with the RCA Audio Cable

If you wish to use your own amplifier or speakers, please follow the instructions below:



2.1 Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

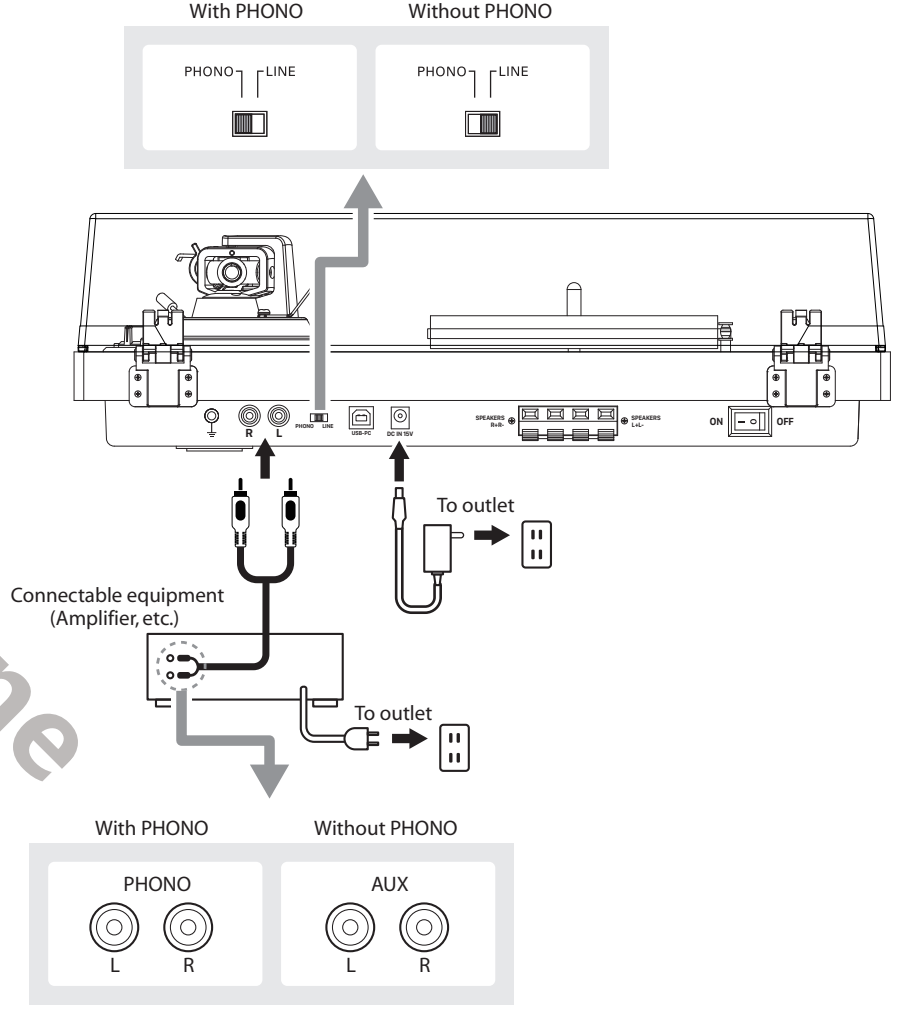
When connecting via the included speakers, using the pre-amplifier selector switch is not necessary.

NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there will be no sound.

2.2 Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.).

• The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



Main Power Connection

1. Insert the DC plug of the AC adapter cord into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Power Management Function

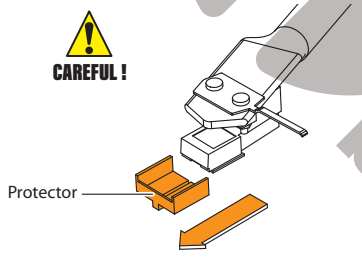
The turntable will automatically go into standby mode after 15 minutes of inactivity. To resume operation, press and hold the Mode button for 3 seconds.

Playing a Record

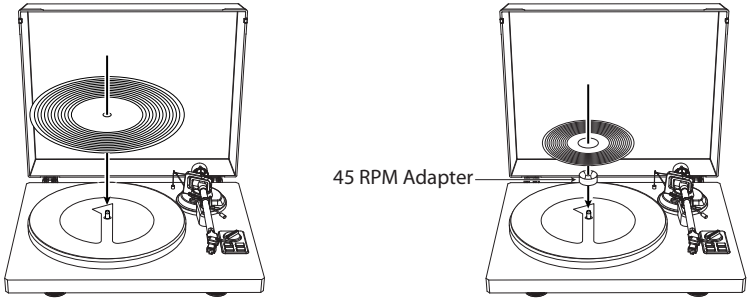
1. Before playing a record

1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



1.2 Place the record on the felt mat so that the center hole aligns with the spindle.



If playing a 45 RPM record with a large center hole, attach the 45 RPM adapter.

2. Turntable Operation

Lower the volume of the amplifier, speakers, etc. sufficiently.

2.1 Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.

2.2 Remove the stylus protector from the stylus.

2.3 Press the MODE button to choose turntable mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode.

2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.


45RPM Adapter

2.5 Press the 33 or 45 RPM speed button according to the type of record.

2.6 Press the Play/Stop button. The platter will start spinning.

2.7 Unlock the tonearm clip and set the tonearm lift lever to the up position.

2.8 Position the tonearm over the desired location (groove) on the record.

2.9 Carefully lower the tonearm on the record.

2.10 Turn up the volume of the turntable as needed.

2.11 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and press the Play/Stop button to stop.

NOTE:

1. If the silent pause time between each track is longer than 1 minute, the platter will stop spinning automatically to avoid damaging the record. This stoppage does not mean the turntable is defective.
2. If the felt mat gets dirty, it can easily scratch the record, so remove the felt mat periodically and wipe off any dust.
3. To prevent the record from scratches and warping, remove it after use.
4. Do not use a disk stabilizer.

by one

Bluetooth Operation

1. Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.
2. Press the MODE button to choose Bluetooth mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode. You will hear an activation sound from the turntable.
3. Turn on the Bluetooth feature of your media device and search for and select "**1byone BS017**" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the turntable will play a short confirmation sound.
5. Play and stream music from your media device to the turntable.

Note: Bluetooth version: 5.0

Recording the Vinyl to Your Computer

Please follow the below steps to set up Audacity to record from the USB audio device. For more details, please refer to the BRIEF INTRODUCTION OF AUDACITY at https://manual.audacityteam.org/man/recording_with_usb_turntables.html

1. Download the Audacity software and complete installation

1.1 Ensure your Audacity software is up to date. You can download the current version from http://www.audacityteam.org/download/

1.2 Follow the instructions to complete installation.

2. Set up Audacity to record from the USB audio device

2.1 Connect the USB device

Use the supplied USB cable to connect your turntable and your computer. No extra driver is required.

2.2 System settings needed for Windows and Mac

Windows:

1. By the system clock, right-click over the **Speaker icon** select **Sounds** then the **Recording** tab, and then click on the **USB device** in the list and click **Properties**. Click the **Advanced** tab set your required bit rate and sample rate from the **Default Format** dropdown (normally "**2 channel 16-bit 44100 Hz**").
2. On the Advanced tab, in the "Default Format" section, make sure the dropdown menu is set to "**2 channel 16-bit 44100 Hz**".

For a more detailed walk-through of the above steps for Windows (*or if that does not work for your version of Windows*), see **Windows: accessing the Windows Sound controls**.

Mac:

1. From **Apple Menu > System Preferences** select "Sound" and click on the *Input* tab
2. Select "USB Audio CODEC" or similar as the input device and verify the **Recording Meter** shows input.
3. If the recording meter in the Sound preferences panel does not show input:
   1. From the Finder, select **Go > Utilities** and open **Audio MIDI Setup**.
   2. If the *Audio Devices* window is not visible, select **Window > Show Audio Devices**.
   3. Select your USB input device in the list in the left pane of the Audio Devices window.
   4. Set the Format to "**44100.0 Hz**" and "**2ch-16bit**".

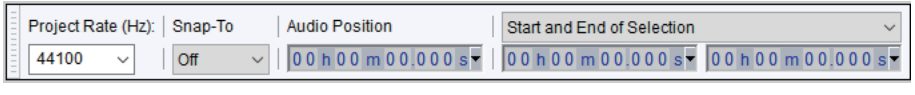
For a more detailed walk-through of the above steps for Mac**,** see ***Mac and USB input devices*** on the Audacity Wiki.

2.3 Launch Audacity.

If Audacity was already running when you connected the cable, choose **Transport >Rescan Audio Devices** or restart Audacity.

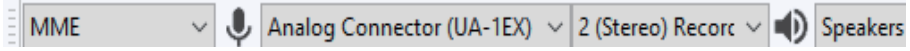
2.4 Project Rate

Set the Audacity Project Rate in **Selection Toolbar** at the bottom left of the Audacity screen to 44100 ***Hz***:



2.5 Devices

Use **Device Toolbar** to set the recording and playback devices and to set the recording channels to "2 (Stereo) Recording Channels", as in the below example on Windows 10:



- The Recording Device is set to the USB device (in this case the device name, but often called or including the phrase "USB Audio CODEC").
- Recording Channels is set to stereo.
- The Playback Device is set to the named speakers of the built-in computer sound device.
- These settings can also be changed in **Devices Preferences**.

Windows calls most USB external devices "microphones". Some higher-end USB recording interfaces may appear as their explicit manufacturer's name.

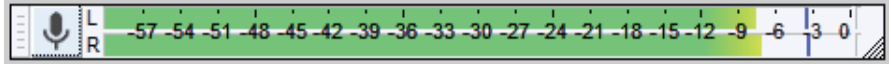
3. Software Playthrough

Use **Transport > Transport Options > Software Playthrough (on/off)** and click "**Software Playthrough**" to turn it "on" (the checkmark is shown when it is "on"). This setting can also be enabled or disabled in **Recording Preferences**. Software Playthrough lets you hear the turntable through the computer speakers when recording. It also lets you hear the turntable *without* recording if you turn on monitoring (see the next section below).

4. Monitoring

Enable monitoring to set the recording level

- Turn monitoring on by clicking once on the microphone icon in the **Recording Meter**.



- In **Mixer Toolbar**, turn up the left-hand playback volume slider (by the speaker icon).



- The right-hand recording volume slider (by the microphone icon) can often be used to vary the loudness of the recording, but it may not function with all turntables. If it does not, try adjusting the output level on the turntable (often, there is a gain control under the chassis).

  Alternatively, you may be able to adjust the input level on Windows and Linux only, usually by looking for the speaker icon by the system clock. On **Windows, right-click over the speaker icon > "Recording Devices**". Then right-click over USB Audio Codec, choose "Properties" and click the *Levels* tab.

- Try to aim for a maximum peak of around –6 dB, which corresponds to around 0.5 on the **waveform**. You can always boost the level later with **Effect > Amplify...** or **Effect > Normalize**... after you have completed editing.

5. Recording

Then, ignoring any instructions in the manufacturer's guide to select "stereo mix", simply press the **Record** button ● in **Transport Toolbar** to start recording from the turntable.

6. Recording, editing and exporting

Once your USB turntable is set up and working properly, go to the **Basic Recording, Editing and Exporting** section of Audacity's **Tutorial - Copying tapes, LPs or MiniDiscs to CD** for instructions on how to:

- make and edit your recording
- export it to an audio file
- import it to iTunes or Windows Media Player
- burn it to CD

Audacity's reference links:

- **Basic Recording, Editing and Exporting :** *https://manual.audacityteam.org/man/basic_recording_editing_and_exporting.html*
- **Tutorial - Copying tapes, LPs or MiniDiscs to CD :** *https://manual.audacityteam.org/man/tutorial_copying_tapes_lps_or_minidiscs_to_cd.html*

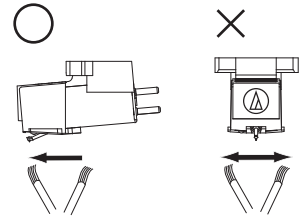
Care

Turntable Body

- When the turntable body is dirty or dusty, first disconnect the AC adapter, and then wipe off the dirt and dust with a soft, dry cloth.
- Do not use benzenes, thinners, etc.
- When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



1 by one

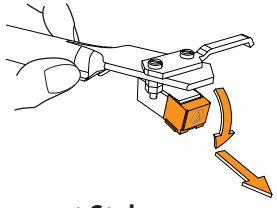
Replacing the Stylus

It's suggested to replace the stylus after 400 hours of use.

Removing the Stylus

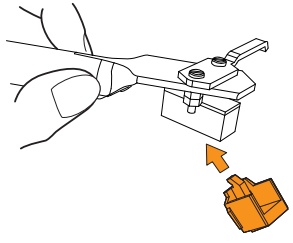
- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Be sure to disconnect the product's AC adapter from the outlet.
- When replacing the stylus, hold the headshell and the cartridge body tightly.

Rotate the front of the stylus in a forward and down motion.



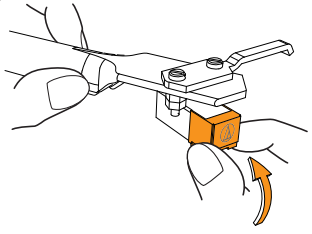
Installing a New Replacement Stylus

1. Mount the new replacement stylus to the cartridge.

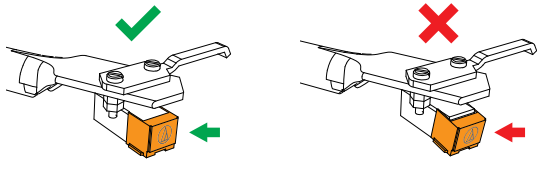


Engage in body first

2. Lift the stylus up until you hear a click.



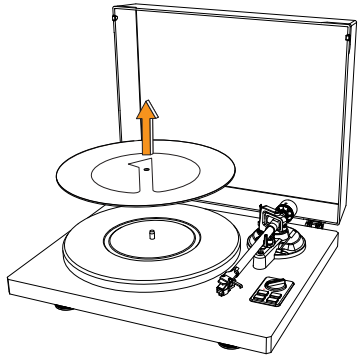
3. Make sure there is no gap between the headshell and the cartridge.



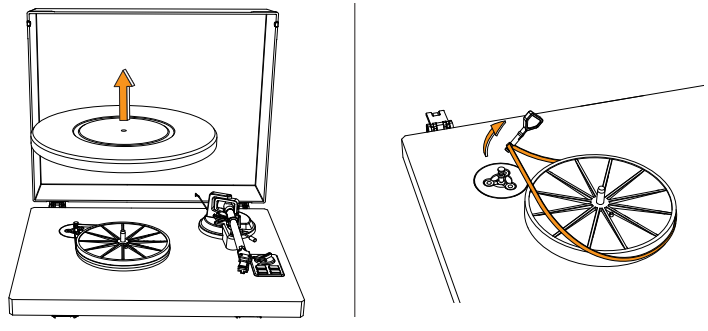
Replacing the Belt

- The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.
- Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

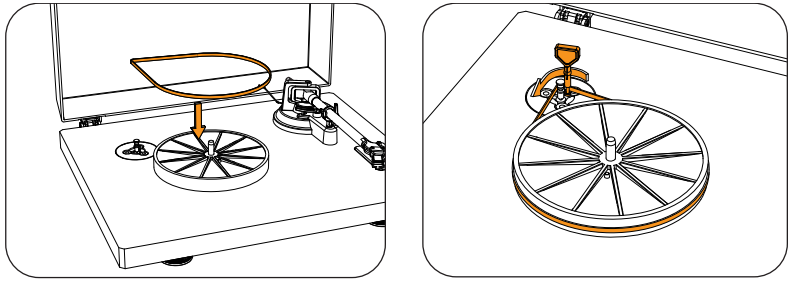
1. Remove the slip mat.



2. Remove the main platter, and then remove the old belt.

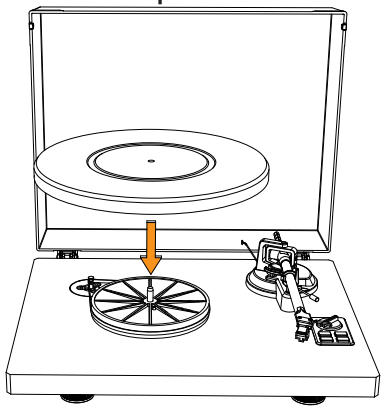


3. Loop the new belt around the sub-platter and motor pulley.



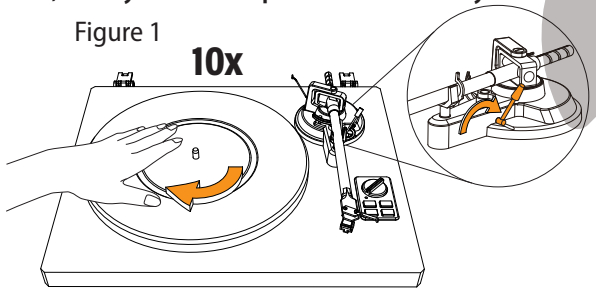
1 by one

4. Place the main platter back onto the sub-platter.



5. Using your hands, slowly rotate the platter ten times by hand in the direction of the arrow.

Figure 1



When the Turntable is Moved

Using the product's original packing materials, wrap the turntable in the reverse order from when you unwrapped it. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not move.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

1 by one

Troubleshooting

Problem	Solution
The platter does not spin.	• Is the AC adapter connected to the outlet? -Connect the AC adapter to the outlet. • What's the status of the indicator light? - Power is on, but the indicator light is off. That means the turntable is in ERP mode. Press and hold the MODE button for 3 seconds to reboot the turntable. - The indicator light is blue. That means the turntable is in Bluetooth mode. Press the MODE button once to switch to Turntable mode. - The red indicator light will indicate Turntable mode. • Has the belt slipped from the platter? -Correctly place the belt on the platter. • Is the belt placed on the motor pulley? -Check that the belt is placed on the motor pulley (brass-colored) correctly. • Has the belt been damaged? -Replace it with a new belt.
The platter spins, but there is no sound or the volume is not loud enough.	• Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? -Check whether the settings for the connected equipment are correct. • Is the stylus damaged? -Check the stylus and replace it, if necessary. • Is the stylus placed correctly on the body of the cartridge? -Check the cartridge and adjust it, if necessary. • Are the setting positions for the pre-amplifier selector switch correct? -If you are connection to the speaker (not the speakers from the pack) with RCA audio cable, check that the pre-amplifier settings are correct, noting the following common problems and their causes: -If there is no sound, or if the volume is not loud enough, the product is set to the "PHONO" position and connected to the amplifier's AUX/LINE input. -If the volume is too loud or is distorted, the product is set to the "LINE" position, and the connectable equipment is connected to the PHONO input.

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The stylus skips.	• Is the record warped? -Check the record. • Is the record scratched? -Check the record.
There is howling.	• Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? -Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. • Is the product mounted on an unstable surface? -Check whether the surface on which the product is mounted is suitable.
There is noise when the record is playing.	• Is there dust on the cartridge's stylus tip? -If dust is stuck to the stylus tip, clean it with a commercially sold brush.
The sound when the record is playing is either too fast or too slow.	• Are the speed settings for this product correct? -Please select the correct speed for the type of record being played.
Playback speed slows down or there is irregular rotation.	• Is the belt stretched out? -Replace it with a new belt.
Needle isn't touching the record.	• The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface.	• Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two trouble shooting topics.

Specifications

Turntable

Power	AC power adapter, DC output 15V 2400mA
Power Consumption	70W
Turntable Speed	33 1/3, 45 RPM
Wow and Flutter	±0.15%
Signal to Noise	-65dB
Tracking Force Range	0-6.0g
Effective Tonearm Length	8.6" (218.5mm)
Dimensions (L x W x H)	16.34" x 14.17" x 5.51" (415 x 560 x 240mm) (lid closed), 16.34" x 16.34" x 16.34" (415 x 415 x 415mm) (lid open)
Weight	20.9lb (9.5kg)

Stylus

Model	Audio-Technica AT3600L
Frequency Response	20Hz - 20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) - input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz (5.1g)

Speaker

Output Power	18W*2
Speaker Units	Woofer: 4" Tweeter: 2"
Impedance	4 Ω
Frequency Response	50Hz-20KHz
Dimensions	6.3" x 6.2" x 9.8" (160 x 158 x 249mm)
Weight	8.4lbs (3.8kg)

Note: Design and specifications are subject to change without notice.

Eliminación

Eliminación del producto



Bajo ninguna circunstancia se debe desechar este dispositivo en la basura normal. Este producto está sujeto a las disposiciones de las directivas europeas 2012/19/EU.

Elimine el dispositivo a través de una empresa o en un punto limpio. Por favor, observe las normas actuales en desecho de productos. Contacte con el centro municipal de desechos si tiene cualquier duda.



El embalaje está fabricado con material respetuoso con el medio ambiente y puede ser desechado en su centro de reciclaje local.

Introduction

Thank you for purchasing 1byone Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not use the turntable near water.
2. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
3. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
4. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
5. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
6. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
8. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
9. Do not use attachments not recommended by the manufacturer as they may cause hazards.
10. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.



11. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
12. Unplug the product during lightning storms or when unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

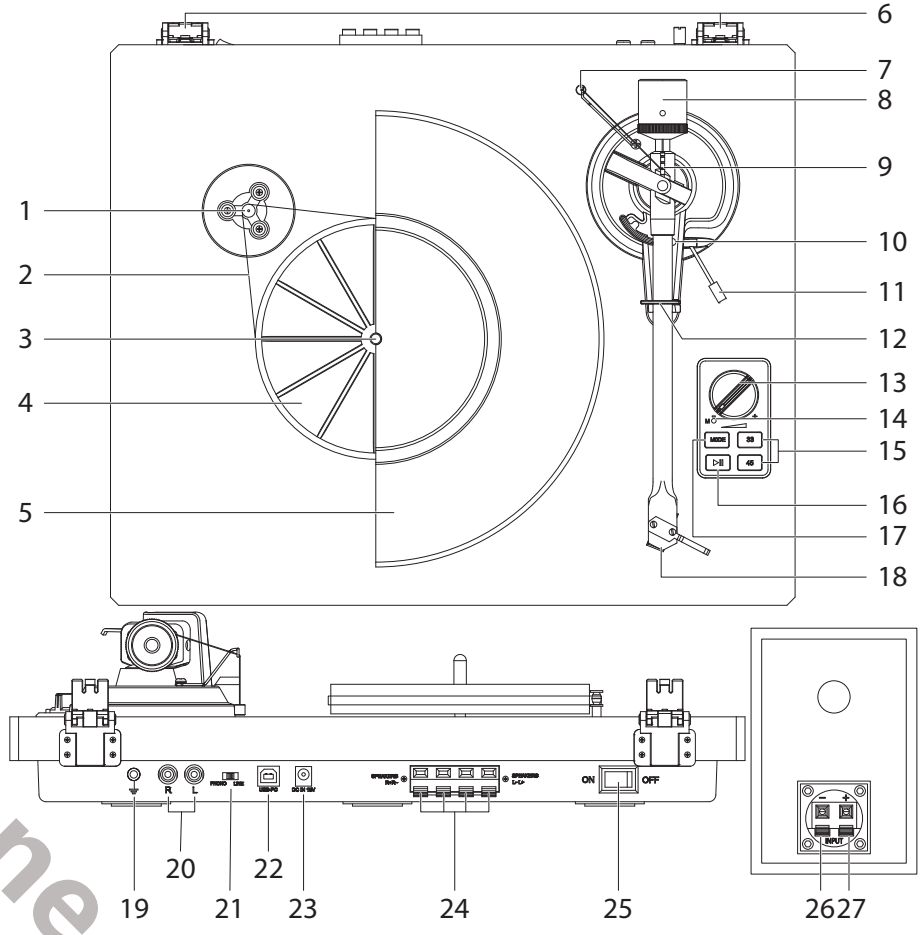
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm - HYPERLINK "http://www.P65Warnings.ca.gov."
For more information go to HYPERLINK "http://www.1byonebros.com/Compliance/Prop65"

Product Description



1. Motor Pulley
2. Drive Belt
3. Turntable Spindle
4. Turntable Sub-platter
5. Turntable Platter
6. Lid Hinge
7. Anti-skating Weight
8. Counterweight
9. Anti-skating Stick
10. Tonearm Rest
11. Tonearm Lift Lever
12. Tonearm Clip
13. Volume Control
14. Indicator
15. 33/45RPM Selector
16. Play/Stop Button
17. Mode Button
18. Stylus Cartridge
19. Ground Connector
20. Phono & Line Out Jacks
21. Phono & Line Out Switch
22. USB Port for PC Link
23. Power Cord Jack
24. External Speaker Jacks
25. Power Switch
26. Speaker Jack -
27. Speaker Jack +

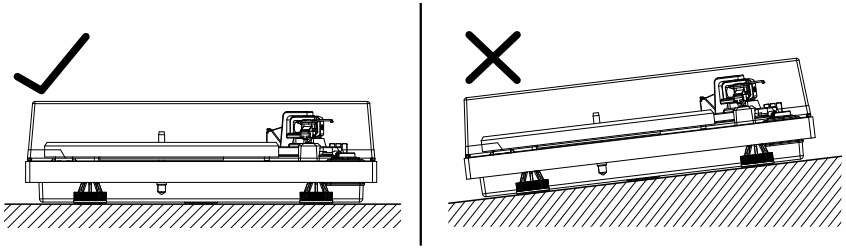
Included Items

Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

- 1 x Turntable Unit
- 2 x Speakers
- 1 x Turntable Lid
- 1 x Slip Mat
- 1 x Turntable Platter
- 1 x Tonearm Counterweight
- 1 x Anti-skating Weight
- 1 x 45 RPM adapter
- 1 x Drive Belt
- 1 x Sub-platter
- 1 x Belt Hook
- 1 x Power Adapter
- 1 x USB Cable for PC Link
- 2 x Audio Cables for Speakers
- 1 x Cartridge Adjustment Card
- 1 x Instruction Manual

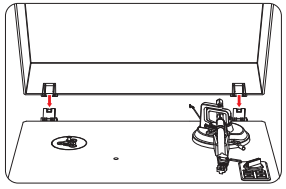
Installing the Turntable

- Mount the product on a level surface.
- To avoid the effects of vibrations and acoustic pressure, do not mount the product next to such items as speakers.
- The product may pick up radio static if placed next to a radio. Therefore, try to keep the product away from radios.
- If the product is near equipment (cell phone, etc.) that emits strong radio waves, noise may occur.



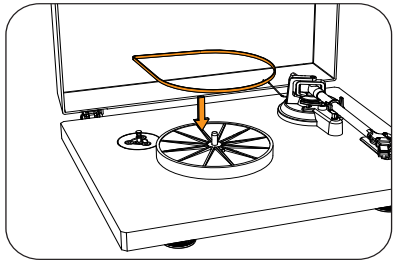
Installing the Lid

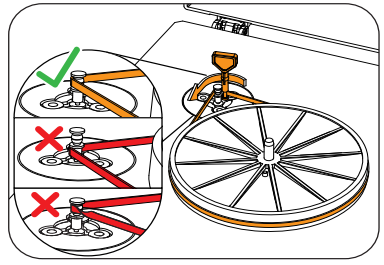
Insert the hinge pockets of the lid onto the hinges of the turntable.



Turntable Platter and Belt Setup

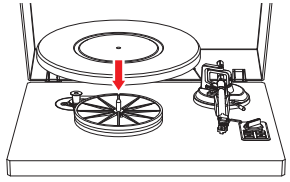
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface.
2. Insert the sub-platter into the turntable spindle located in the middle of the turntable.
3. Loop the drive belt around the sub-platter and motor pulley (brass-colored).





4. Carefully place the main platter onto the sub-platter (Figure 1).

Figure 1



Rotating the Platter

1. Using your hands, slowly rotate the platter ten times in the direction of the arrow (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the 1byone logo on the mat is facing up (Figure 2).

Figure 1

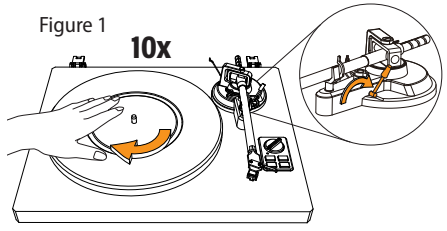
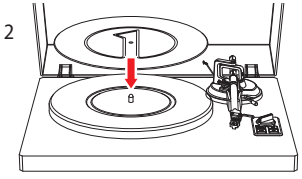


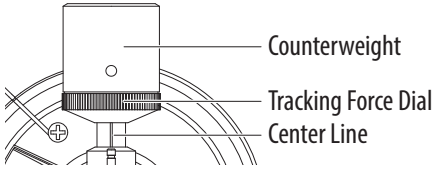
Figure 2



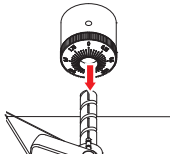
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Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

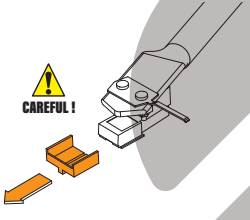


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).

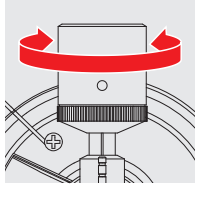


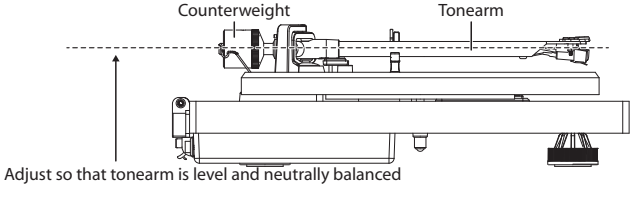
2. Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



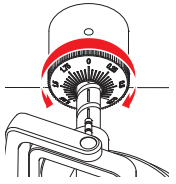
3. Remove the tie-wrap and unlock the tonearm.
4. Lower the tonearm lift lever and position the cartridge in the space between the tonearm rest and platter.
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance. The tonearm should return to this balanced position if it is moved up or down. This adjustment must be done carefully.

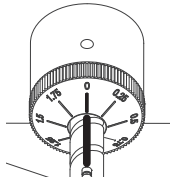




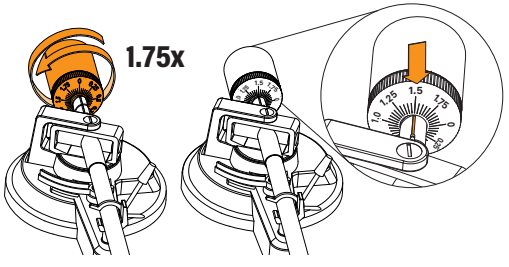
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6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with black center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.





7. Rotate the counterweight counter clockwise (as seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.



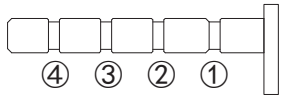
Note: Each mark on the scale represents 0.05g. The recommended tracking force for the factory-installed cartridge is 3.5g±0.5g. The cartridge tracking force only goes up to 2g for one rotation of the tracking force dial. You will need to make more than one rotation to reach 3.5g.

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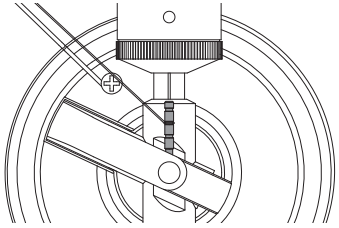
Anti-skating Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

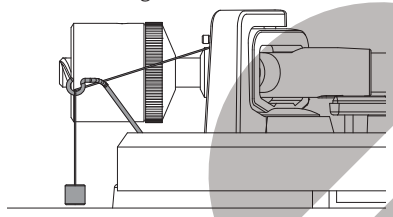
Tracking Force	Groove in the Stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20mN	3rd from the bearing ring
>20mN	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set the correct anti-skating force for the factory-installed cartridge.



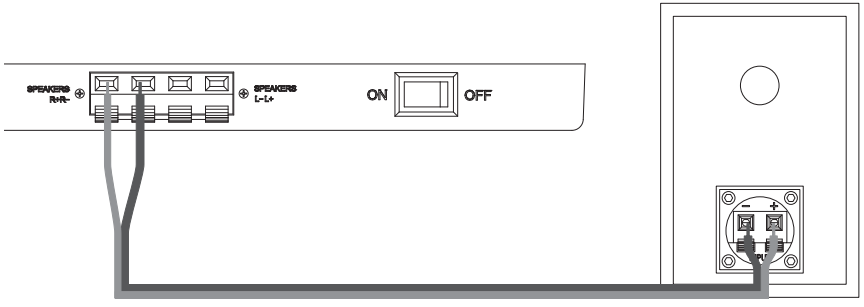
2. Feed the thread through the loop of the wire hanger.



Connection to Speakers

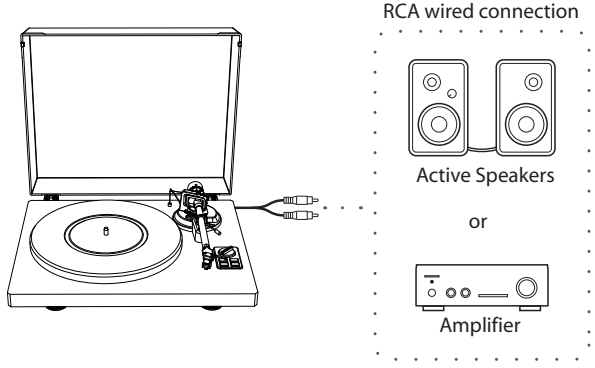
1. Connection to the Included Speakers

This turntable includes a built-in preamp and comes supplied with Hi-Fi speakers. Connect the speakers using the included audio cable (dark cable to black cable clamp and light cable to red cable clamp).



2. Connection to External Speaker with the RCA Audio Cable

If you wish to use your own amplifier or speakers, please follow the instructions below:



2.1 Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

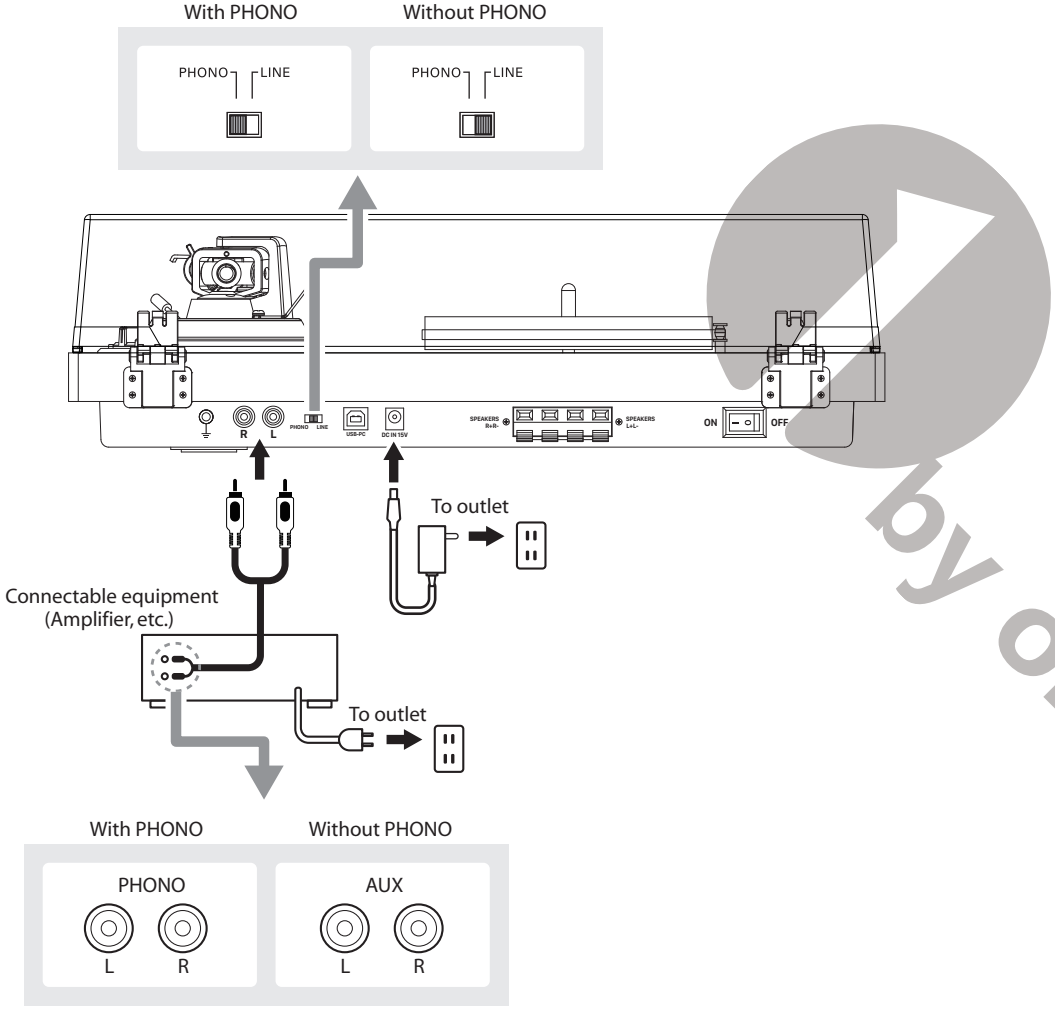
When connecting via the included speakers, using the pre-amplifier selector switch is not necessary.

NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there will be no sound.

2.2 Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.).

• The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



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Main Power Connection

1. Insert the DC plug of the AC adapter cord into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Power Management Function

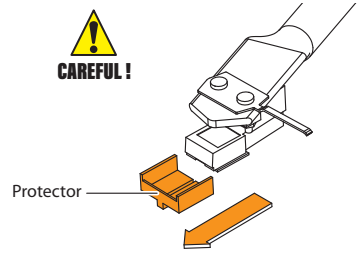
The turntable will automatically go into standby mode after 15 minutes of inactivity. To resume operation, press and hold the Mode button for 3 seconds.

Playing a Record

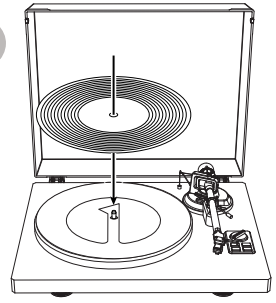
1. Before playing a record

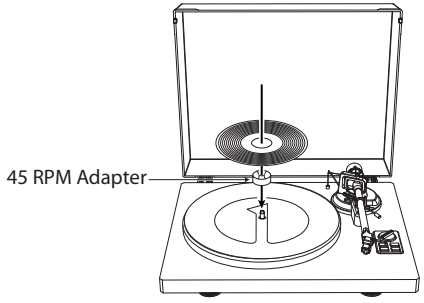
1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



1.2 Place the record on the felt mat so that the center hole aligns with the spindle.





If playing a 45 RPM record with a large center hole, attach the 45 RPM adapter.

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2. Turntable Operation

Lower the volume of the amplifier, speakers, etc. sufficiently.

2.1 Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.

2.2 Remove the stylus protector from the stylus.

2.3 Press the MODE button to choose turntable mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode.

2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.



45RPM Adapter

2.5 Press the 33 or 45 RPM speed button according to the type of record.

2.6 Press the Play/Stop button. The platter will start spinning.

2.7 Unlock the tonearm clip and set the tonearm lift lever to the up position.

2.8 Position the tonearm over the desired location (groove) on the record.

2.9 Carefully lower the tonearm on the record.

2.10 Turn up the volume of the turntable as needed.

2.11 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and press the Play/Stop button to stop.

NOTE:

1. If the silent pause time between each track is longer than 1 minute, the platter will stop spinning automatically to avoid damaging the record. This stoppage does not mean the turntable is defective.
2. If the felt mat gets dirty, it can easily scratch the record, so remove the felt mat periodically and wipe off any dust.
3. To prevent the record from scratches and warping, remove it after use.
4. Do not use a disk stabilizer.

Bluetooth Operation

1. Connect the included power adapter to the turntable and slide the Power Switch to the "ON" position.
2. Press the MODE button to choose Bluetooth mode. Red indicator light indicates Turntable mode and blue indicator light indicates Bluetooth mode. You will hear an activation sound from the turntable.
3. Turn on the Bluetooth feature of your media device and search for and select "**1byone BS017**" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the turntable will play a short confirmation sound.
5. Play and stream music from your media device to the turntable.

Note: Bluetooth version: 5.0

Recording the Vinyl to Your Computer

Please follow the below steps to set up Audacity to record from the USB audio device. For more details, please refer to the BRIEF INTRODUCTION OF AUDACITY at https://manual.audacityteam.org/man/recording_with_usb_turntables.html

1. Download the Audacity software and complete installation

1.1 Ensure your Audacity software is up to date. You can download the current version from http://www.audacityteam.org/download/

1.2 Follow the instructions to complete installation.

2. Set up Audacity to record from the USB audio device

2.1 Connect the USB device

Use the supplied USB cable to connect your turntable and your computer. No extra driver is required.

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2.2 System settings needed for Windows and Mac

Windows:

1. By the system clock, right-click over the **Speaker icon** select **Sounds** then the **Recording** tab, and then click on the **USB device** in the list and click **Properties**. Click the **Advanced** tab set your required bit rate and sample rate from the **Default Format** dropdown (normally "**2 channel 16-bit 44100 Hz**").
2. On the Advanced tab, in the "Default Format" section, make sure the dropdown menu is set to "**2 channel 16-bit 44100 Hz**".

For a more detailed walk-through of the above steps for Windows (*or if that does not work for your version of Windows*), see **Windows: accessing the Windows Sound controls**.

Mac:

1. From **Apple Menu > System Preferences** select "Sound" and click on the *Input* tab
2. Select "USB Audio CODEC" or similar as the input device and verify the **Recording Meter** shows input.
3. If the recording meter in the Sound preferences panel does not show input:
   1. From the Finder, select **Go > Utilities** and open **Audio MIDI Setup**.
   2. If the *Audio Devices* window is not visible, select **Window > Show Audio Devices**.
   3. Select your USB input device in the list in the left pane of the Audio Devices window.
   4. Set the Format to "**44100.0 Hz**" and "**2ch-16bit**".

For a more detailed walk-through of the above steps for Mac, see ***Mac and USB input devices*** on the Audacity Wiki.

2.3 Launch Audacity.

If Audacity was already running when you connected the cable, choose **Transport >Rescan Audio Devices** or restart Audacity.

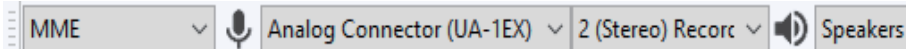
2.4 Project Rate

Set the Audacity Project Rate in **Selection Toolbar** at the bottom left of the Audacity screen to 44100 ***Hz***:



2.5 Devices

Use **Device Toolbar** to set the recording and playback devices and to set the recording channels to "2 (Stereo) Recording Channels", as in the below example on Windows 10:



- The Recording Device is set to the USB device (in this case the device name, but often called or including the phrase "USB Audio CODEC").
- Recording Channels is set to stereo.
- The Playback Device is set to the named speakers of the built-in computer sound device.
- These settings can also be changed in **Devices Preferences**.

Windows calls most USB external devices "microphones". Some higher-end USB recording interfaces may appear as their explicit manufacturer's name.

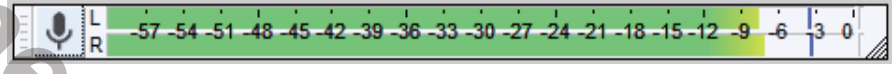
3. Software Playthrough

Use **Transport > Transport Options > Software Playthrough (on/off)** and click "**Software Playthrough**" to turn it "on" (the checkmark is shown when it is "on"). This setting can also be enabled or disabled in **Recording Preferences**. Software Playthrough lets you hear the turntable through the computer speakers when recording. It also lets you hear the turntable *without* recording if you turn on monitoring (see the next section below).

4. Monitoring

Enable monitoring to set the recording level

- Turn monitoring on by clicking once on the microphone icon in the **Recording Meter**.



- In **Mixer Toolbar**, turn up the left-hand playback volume slider (by the speaker icon).



- The right-hand recording volume slider (by the microphone icon) can often be used to vary the loudness of the recording, but it may not function with all turntables. If it does not, try adjusting the output level on the turntable (often, there is a gain control under the chassis).

  Alternatively, you may be able to adjust the input level on Windows and Linux only, usually by looking for the speaker icon by the system clock. On **Windows, right-click over the speaker icon > "Recording Devices"**. Then right-click over USB Audio Codec, choose "Properties" and click the *Levels* tab.

- Try to aim for a maximum peak of around –6 dB, which corresponds to around 0.5 on the **waveform**. You can always boost the level later with **Effect > Amplify...** or **Effect > Normalize**... after you have completed editing.

5. Recording

Then, ignoring any instructions in the manufacturer's guide to select "stereo mix", simply press the **Record** button ● in **Transport Toolbar** to start recording from the turntable.

6. Recording, editing and exporting

Once your USB turntable is set up and working properly, go to the **Basic Recording, Editing and Exporting** section of Audacity's **Tutorial - Copying tapes, LPs or MiniDiscs to CD** for instructions on how to:

- make and edit your recording
- export it to an audio file
- import it to iTunes or Windows Media Player
- burn it to CD

Audacity's reference links:

- **Basic Recording, Editing and Exporting :** *https://manual.audacityteam.org/man/basic_recording_editing_and_exporting.html*
- **Tutorial - Copying tapes, LPs or MiniDiscs to CD :** *https://manual.audacityteam.org/man/tutorial_copying_tapes_lps_or_minidiscs_to_cd.html*

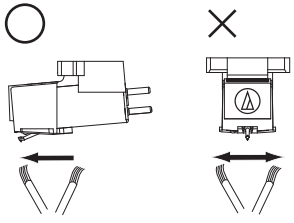
Care

Turntable Body

- When the turntable body is dirty or dusty, first disconnect the AC adapter, and then wipe off the dirt and dust with a soft, dry cloth.
- Do not use benzenes, thinners, etc.
- When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

- If dirt and grime are stuck to the stylus tip, clean it with a commercially sold brush.
- We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty. Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



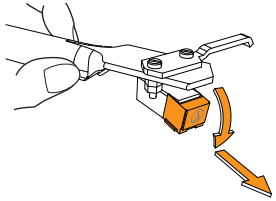
Replacing the Stylus

It's suggested to replace the stylus after 400 hours of use.

Removing the Stylus

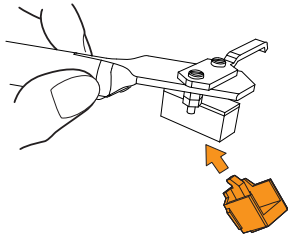
- In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.
- Be sure to disconnect the product's AC adapter from the outlet.
- When replacing the stylus, hold the headshell and the cartridge body tightly.

Rotate the front of the stylus in a forward and down motion.



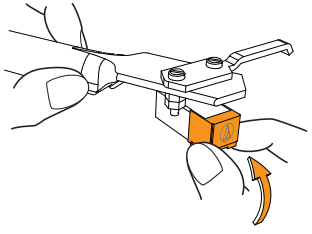
Installing a New Replacement Stylus

1. Mount the new replacement stylus to the cartridge.

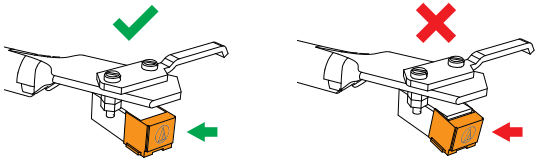


Engage in body first

2. Lift the stylus up until you hear a click.



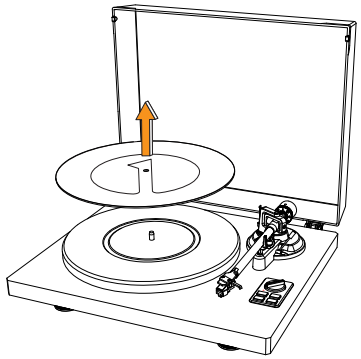
3. Make sure there is no gap between the headshell and the cartridge.



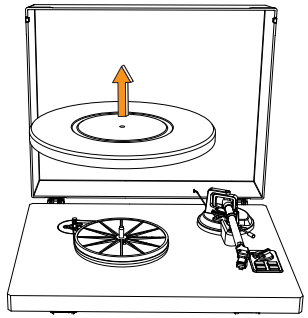
Replacing the Belt

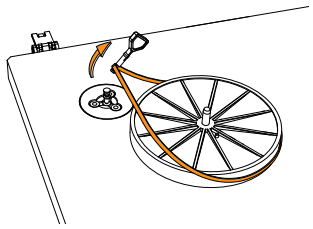
- The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.
- Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

1. Remove the slip mat.

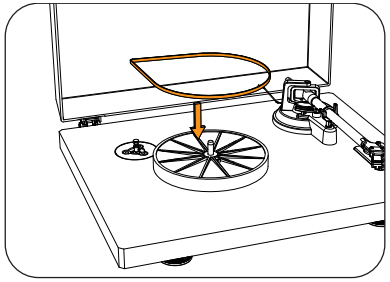


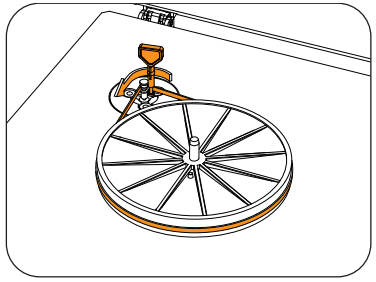
2. Remove the main platter, and then remove the old belt.



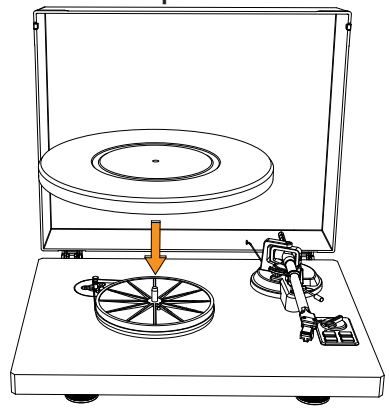


3. Loop the new belt around the sub-platter and motor pulley.



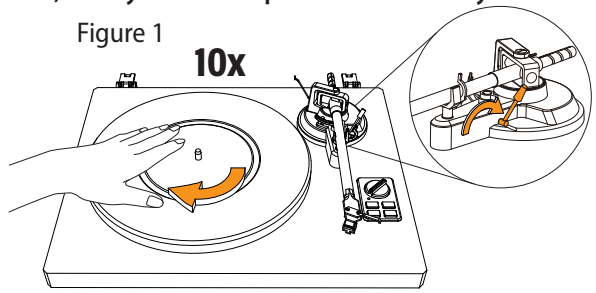


4. Place the main platter back onto the sub-platter.



5. Using your hands, slowly rotate the platter ten times by hand in the direction of the arrow.

Figure 1



When the Turntable is Moved

Using the product's original packing materials, wrap the turntable in the reverse order from when you unwrapped it. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not move.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

1 by one

Troubleshooting

Problem	Solution
The platter does not spin.	• Is the AC adapter connected to the outlet? -Connect the AC adapter to the outlet. • What's the status of the indicator light? - Power is on, but the indicator light is off. That means the turntable is in ERP mode. Press and hold the MODE button for 3 seconds to reboot the turntable. - The indicator light is blue. That means the turntable is in Bluetooth mode. Press the MODE button once to switch to Turntable mode. - The red indicator light will indicate Turntable mode. • Has the belt slipped from the platter? -Correctly place the belt on the platter. • Is the belt placed on the motor pulley? -Check that the belt is placed on the motor pulley (brass-colored) correctly. • Has the belt been damaged? -Replace it with a new belt.
The platter spins, but there is no sound or the volume is not loud enough.	• Are the function settings and input for connected equipment (amplifier, etc.) selected correctly? -Check whether the settings for the connected equipment are correct. • Is the stylus damaged? -Check the stylus and replace it, if necessary. • Is the stylus placed correctly on the body of the cartridge? -Check the cartridge and adjust it, if necessary. • Are the setting positions for the pre-amplifier selector switch correct? -If you are connection to the speaker (not the speakers from the pack) with RCA audio cable, check that the pre-amplifier settings are correct, noting the following common problems and their causes: -If there is no sound, or if the volume is not loud enough, the product is set to the "PHONO" position and connected to the amplifier's AUX/LINE input. -If the volume is too loud or is distorted, the product is set to the "LINE" position, and the connectable equipment is connected to the PHONO input.
The stylus skips.	• Is the record warped? -Check the record. • Is the record scratched? -Check the record.
There is howling.	• Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? -Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. • Is the product mounted on an unstable surface? -Check whether the surface on which the product is mounted is suitable.
There is noise when the record is playing.	• Is there dust on the cartridge's stylus tip? -If dust is stuck to the stylus tip, clean it with a commercially sold brush.
The sound when the record is playing is either too fast or too slow.	• Are the speed settings for this product correct? -Please select the correct speed for the type of record being played.
Playback speed slows down or there is irregular rotation.	• Is the belt stretched out? -Replace it with a new belt.
Needle isn't touching the record.	• The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface.	• Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two trouble shooting topics.

1 by one

EN
DE
FR
ES
IT

Specifications

Turntable

Power	AC power adapter, DC output 15V 2400mA
Power Consumption	70W
Turntable Speed	33 1/3, 45 RPM
Wow and Flutter	±0.15%
Signal to Noise	-65dB
Tracking Force Range	0-6.0g
Effective Tonearm Length	8.6" (218.5mm)
Dimensions (L x W x H)	16.34" x 14.17" x 5.51" (415 x 560 x 240mm) (lid closed), 16.34" x 16.34" x 16.34" (415 x 415 x 415mm) (lid open)
Weight	20.9lb (9.5kg)

Stylus

Model	Audio-Technica AT3600L
Frequency Response	20Hz - 20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) - input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz (5.1g)

Speaker

Output Power	18W*2
Speaker Units	Woofer: 4" Tweeter: 2"
Impedance	4 Ω
Frequency Response	50Hz-20KHz
Dimensions	6.3" x 6.2" x 9.8" (160 x 158 x 249mm)
Weight	8.4lbs (3.8kg)

Note: Design and specifications are subject to change without notice.

Smaltimento

Smaltimento dell'elettrodomestico



Non gettare mai l'elettrodomestico tra i normali rifiuti domestici.

Lo smaltimento di questo prodotto è regolato dalla direttiva europea 2012/19/EU.

Per lo smaltimento dell'elettrodomestico, contattare un'agenzia di smaltimento specializzata o il comune. Si invita a rispettare le norme vigenti sullo smaltimento dei rifiuti. Contattare il centro smaltimento rifiuti della propria area per informazioni e assistenza.



La confezione è fatta di materiale riciclabile e può essere smaltita nell'apposita raccolta differenziata.

CE Declaration of Conformity

We, 1byone Products Inc., confirm that the appliance as detailed below does comply with all essential requirements of the EMC directive 2014/30/EU and governing EU-regulations as mentioned below.

Article Description: Turntable Hi-Fi System with Speakers
Brand Name: 1byone
Model Number: 471DE-0010, H004

Applicable Standard(s)
EN 60065:2014+A11:2017
EN 55032: 2015, EN 55035: 2017
EN 61000-3-2: 2014, EN 61000-3-3: 2013

CE



Ray Tang
Department Manager

UKCA Declaration of Conformity

We, 1byone Products Inc., confirm that the appliance as detailed below does comply with all essential requirements of the relevant U.K. legislation for UKCA-marking and governing UK-regulations as mentioned below.

Article Description: Turntable Hi-Fi System with Speakers
Brand Name: 1byone
Model Number: 471UK-0010, H004

Applicable Standard(s)
EN 60065:2014+A11:2017
EN 55032: 2015, EN 55035: 2017
EN 61000-3-2: 2014, EN 61000-3-3: 2013

UK CA



Ray Tang
Department Manager

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Service Clients/Atención al cliente/Assistenza Clienti

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