DONNER

USER MANUAL

4-CHANNEL STEREO
POWER AMPLIFIER MAMP5

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SPECIFICATIONS

ENGLISH

Welcome to Donner

We are very grateful to have you purchasing our product.

Please take a few minutes to read the instructions for operating this product,which will show you how to use it and explain the function and operation of the device,ensuring a trouble-free installation.

Please keep these operating instructions properly for future reference.

Warning:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND ANNOYING INTERFERENCE, PLEASE USE ONLY THE RECOMMENDED ACCESSORIES FOR UNINTERRUPTED SERVICE OF THIS DEVICE!
*DESIGN AND SPECIFICATIONS MAY CHANGE WITHOUT NOTICE.



FEATURES

- The 4-channel home cinema amplifier receiver system supports 4 groups of 8 speakers (110W x 4)
- USB/SD memory card readers, MP3 format play, and support Bluetooth wireless connection
- Supports FM stereo radio and 2 Microphone Input
- DVD/CD/AUX(L/R) Audio Input/LINE Out
- With Echo, bass, and treble control, adjust the sound effect as you like
- High-performance LED display showing all functions
- Remote control function for controlling conveniently

IMPORTANT SAFETY INSTRUCTIONS

1. Read and heed these instructions.
2. Do not use this product near water.
3. Clean only with a dry cloth.
4. Check the voltage of your local mains supply
5. Do not block any ventilation openings. Install under the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Only use attached merits/accessories specified by the manufacturer.
8. Unplug this product during lightning storms and long-time disuse.
9. Refer all servicing to qualified service personnel.

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. Use carefully to avoid injury from tip-over when moving the cart/apparatus.



Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE.



IMPORTANT NOTES

Do Not Tear Down

● This product does not contain user-serviceable parts. Do not attempt to disassemble or modify the internal parts in any way.

Placement

● Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.
● Do not use the product in a confined and poorly ventilated location.

Installation

● Do not cover this product with any cloth.
● Do not install this product on a carpet or rug.
● Make sure the top surface faces up rather than installed on its sides or upside down.
● Before moving the product, please remove all connected cables.

Abnormality

If any of the following problems occur, immediately turn off the power of your amplifier and disconnect the electric plug from the outlet.

● Unusual smells or smoke is emitted.
● There is a sudden loss of sound during the use of the product.
● Cracks or other visible damage appear on the product.

Handling and Maintenance

● Do not place vinyl, plastic, or rubber objects on the product, since this might cause alteration or discoloration of the panel.
● When cleaning the product, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemically impregnated wiping cloths since this might cause alteration or discoloration.

Notes: Donner cannot be held responsible for damage caused by improper use or modifications to the device.

PACKAGE INCLUDES

For US and Japan Standard:

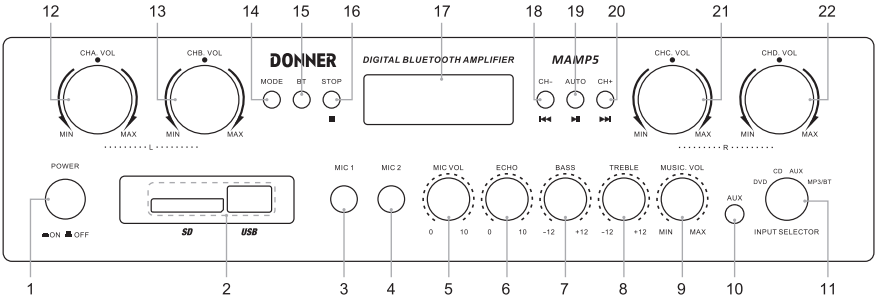
Power Amplifier MAMP5 x1 FM antenna x1 Remote Control x1 User Manual x1

For UK and EU Standard:

Power Amplifier MAMP5 x1 FM antenna x1 UK Power Supply Cord x1
EU Power Supply Cord x1 Remote Control x1 User Manual x1

CONTROL AND FUNCTION

1.Front Panel



1.Power Switch: Press this button to turn the power on/off

2.USB/SD: Card input (The maximum storage size cannot exceed 32GB）

3.MIC 1: Connect the microphone to this jack

4.MIC 2: Connect the microphone to this jack

5.MIC VOL Knob: Turn the knob to adjust microphone volume +/-

6.ECHO Knob: Turn the knob to adjust the reverb of the microphone tone

7.BASS Knob: Rotate the knob to adjust the bass output level of the main sound channel

8.TREBLE Knob: Turn the knob to adjust the treble output level of the main sound channel

9.MUSIC VOLUME Knob: Turn the knob to adjust the musical source volume +/-

10. AUX Input Jack: Connect the AUX audio output jack to this jack

11. INPUT SELECTOR: For selecting the input source: DVD / CD / AUX / MP3, Bluetooth

12. VOL Knob for L CHANNEL A: Turn the knob to adjust the volume +/- of L channel A

13. VOL Knob for L CHANNEL B: Turn the knob to adjust the volume +/- of L channel B

14. MODE Button: Used to select the input source MP3 / Bluetooth/ FM

15. BT Button: Press to select Bluetooth mode

16. STOP Button: Press to stop playback in MP3 and Bluetooth mode

17. LED Display: Display functional menu

18. PREV Button: USB/SD input is used to select the last song while FM input is used to select the last station saved in the system

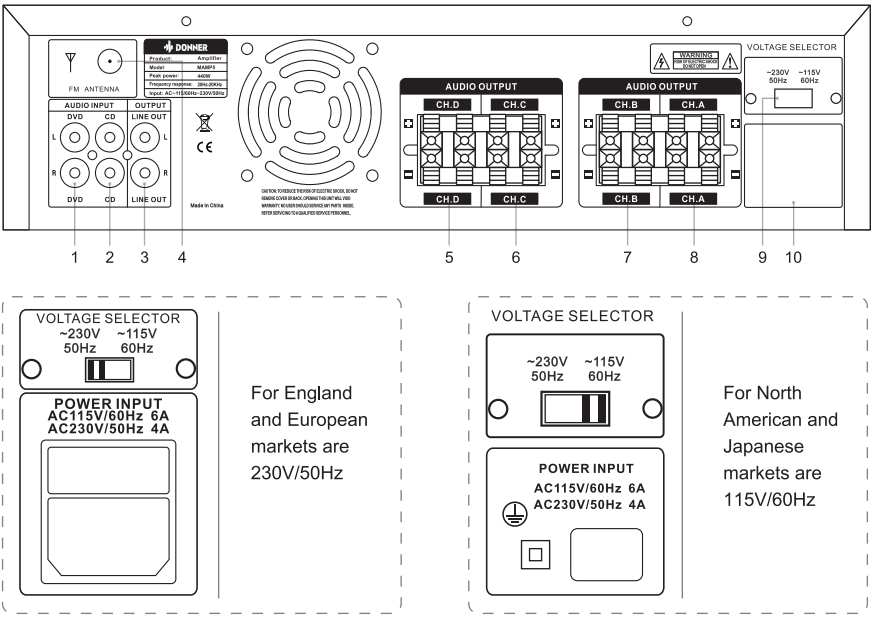
19. PLAY/PAUSE Button: Play/Pause button for songs on USB/SD card and search station for FM input.

20. NEXT Button: USB/SD input is used to select the next song while FM input is used to select the next station saved in the system.

21. VOL Knob for R CHANNEL C: Turn the knob to adjust the volume +/- of R channel C

22. VOL Knob for R CHANNEL D: Turn the knob to adjust the volume +/- of R channel D

2.Rear Panel



Note: This unit has two different types of voltage selectors. Make sure that the AC-power supply is connected to the correct voltage level according to the local market.

1. AUDIO INPUT Jack for DVD: Connect the audio output jack of the DVD to this jack. To play a signal connected to this input make sure the DVD input is selected on the front panel.

2. AUDIO INPUT Jack for CD: Connect the audio output jack of the CD to this jack. To play a signal connected to this input make sure the CD input is selected on the front panel.

3. LINE AUDIO OUT Jack: Connect another amplifier input jack to the LINE OUT jack.

4. Tuner Antenna: Connect to FM antenna

5. Channel D Speaker Output Terminals: Connect your speaker system to these terminals, be careful not to reverse the "+" and "-" before connecting

6. Channel C Speaker Output Terminals: Connect your speaker system to these terminals, be careful not to reverse the "+" and "-" before connecting

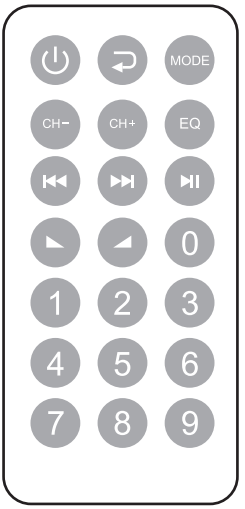
7. Channel B Speaker Output Terminals: Connect your speaker system to these terminals, be careful not to reverse the "+" and "-" before connecting

8. Channel A Speaker Output Terminals: Connect your speaker system to these terminals, be careful not to reverse the "+" and "-" before connecting

9. Voltage Selector: Used to set to your local main voltage. Push this button to switch the 115V or 230V according to the local supply voltage applied

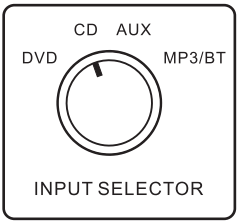
10. Power Cable: Connect to AC 115V/60Hz or 230V/50Hz

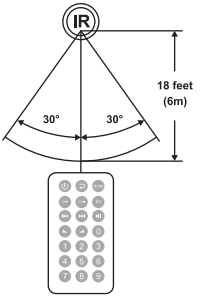
3.Remote Control



Button	Function
	Turn on/off
	Play songs repeatedly
	Change the input mode (**BT-USB-FM**)
	Play 5 equalizer effects in a cycle
	Play/Pause
	Next channel
	Previous channel
	Previous song
	Next song
	Volume down
	Volume up
	Select the song in USB/SD mode Select the station in FM mode

Using the remote control





1. The remote control function will work when the “Input Selector” is adjusted to BT/FM/USB/SD mode.
2. The remote control can be used within a range of about 6m from the remote sensor and within angles of up to about 30 degrees.
3. Make sure there are no other machines between the remote control and the receiver.
4. Please note that the operating distance may vary depending on the brightness of the room.
5. The remote control can only control the functions in MP3/BT/FM mode. It can’t control the external source input of the RCA jack/ Treble and Bass adjustment/ Microphone.

DISPLAY SCREEN

USb	USb	This will display when the USB flash disk is inserted
USb	USb	This will display when the SD Card is inserted
bLUE	bLUE	This will display when the input selected is Bluetooth
88.00 MHz FM	88.00	This will display when the FM is playing
ONE	ONE	This will display when a single is played repeatedly in USB/SD mode
ALL	ALL	This will display when all songs are played repeatedly in USB/SD mode
P 01	P 01	This will display when pressing the “PREV” Button or in FM mode (CH−)
P 02	P 02	This will display when pressing the “NEXT” Button or in FM mode (CH+)
E90 E91 E92 E93 E94 E95	E90 –E95	This will display when pressing the (EQ)
0001	0001	This will display when pressing the “PREV” Button or in USB/BT mode (⏮)
0002	0002	This will display when pressing the “NEXT” Button or in USB/BT mode (⏯)

PAUS	PRUS	This will display when the playing is paused in USB/BT mode
00:28	00:28	This will display when the music is playing in USB/BT mode
U 22	U 22	This will display when the volume level is set to 22

CONNECTION

Caution:

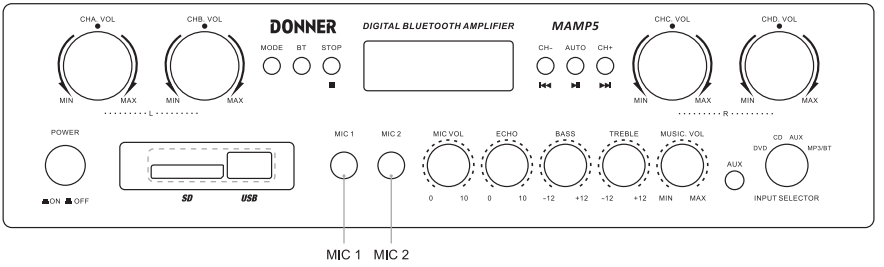
1.Make sure to unplug the power cord before making any connections.

2.Turn the power off to all components before making connections.

3.Unplug the power cord from the outlet if the unit will not be in use for a prolonged period of time.

1.Connecting the microphone

Do not use the microphone toward the speaker as it may cause feedback (howling).



2.Connecting the speaker

1. To avoid damage to your amplifier/receiver, please make sure that power is switched off before making or changing any connections.

2. The quality of the cables and the connections influence sound reproduction. Choose a **speaker cable (not supplied)** that suits your equipment.

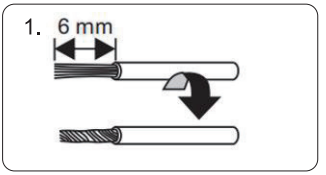
3. Please use the same type of speaker and make sure that the speakers you are using have the same power and impedance.

4. Always connect the (+) speaker cable to the amplifier's (+) terminal and the (-) speaker cable to the amplifier's (-) terminal. If the cables are reserved, the sound will be unnatural and lack bass.

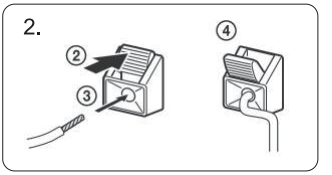
Red: Positive (+)
Black: Negative (-)



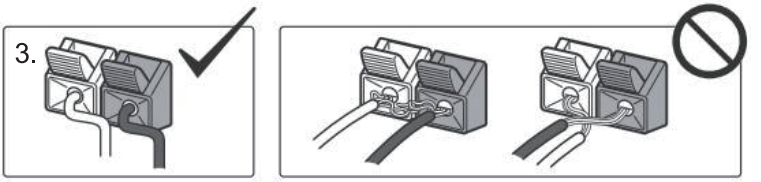
Methods of speaker connection



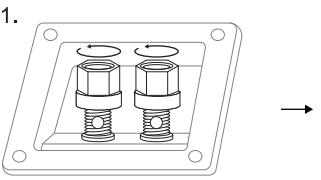
First, the copper wire of the speaker cable shall be reserved at least 6 mm long.



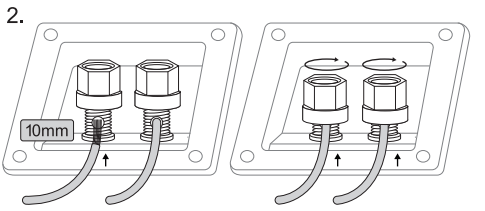
Then insert all the copper wires into the amplifier's terminal.



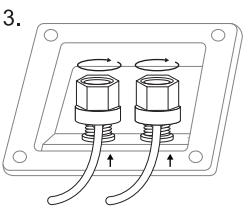
Caution: Avoid short-circuiting the speakers! Make sure the bare wire of each speaker cord does not touch another speaker terminal or the bare wire of another speaker cable.



Rotate and loosen the speaker knob.

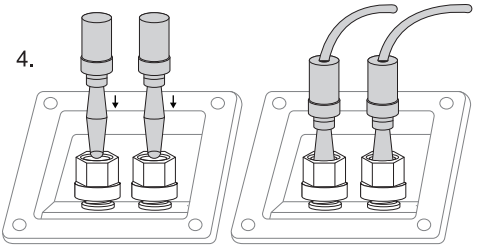


Insert the bare wire (Remove approx.10 mm insulation from the speaker wires.

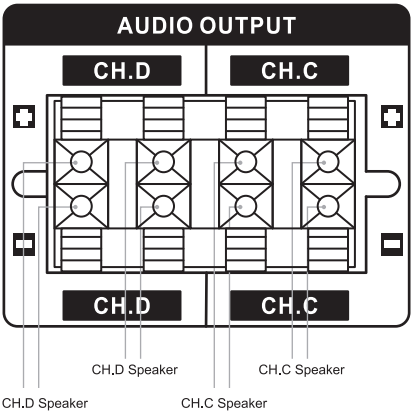


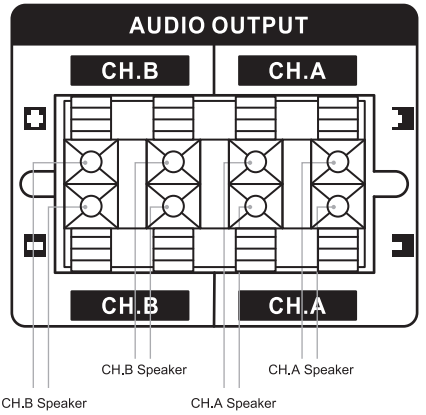
Then tighten the knob and secure the wire.

or



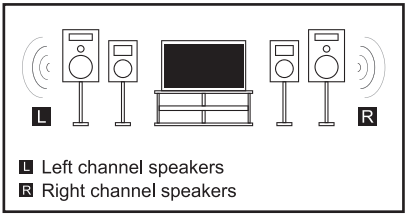
Banana Plug connections are also available. Simply insert the Banana Plug connector into the corresponding terminal.





System setup suggestions

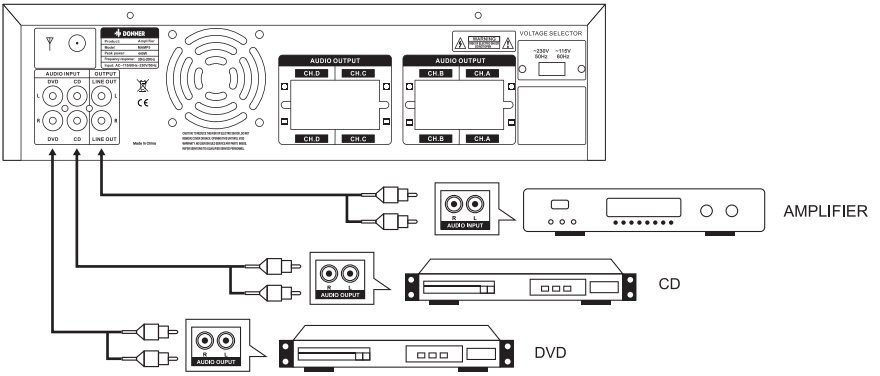
The sound effect of the system will be slightly affected by the listening environment. If you want to produce a good sound effect, you should consider properly your current location environment before the actual installation.



3. Connecting the audio input/output

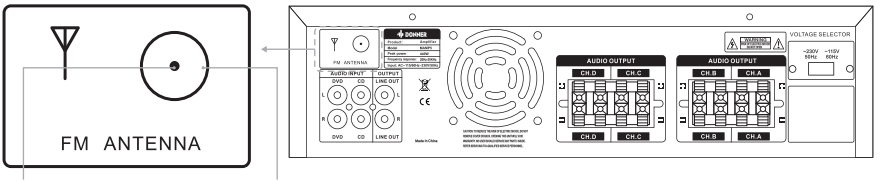
Before connecting the sources, please turn off the power for all machines.

1. Connect a CD/DVD to the AUDIO INPUT jacks by using an **audio cable (not supplied)**. Be sure to match the audio cord to the appropriate jacks.
2. Connect a pre-amplifier to the LINE OUTPUT jacks by using an **audio cable (not supplied)**. Be sure to match the audio cord to the appropriate jacks.



4. Connecting the FM Antenna

1.Connect the supplied FM antenna for listening to the radio.
2.Be sure to fully extend the FM wire antenna.
3.If you want to change the new antenna, the antenna port must be the same as this unit.

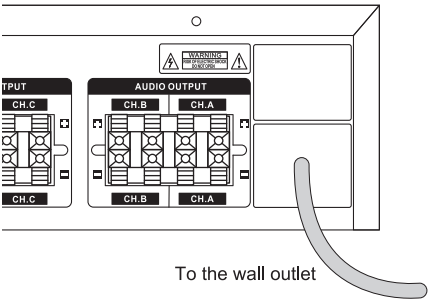


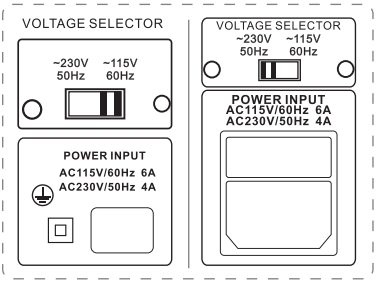
TV 9.5mm Male Plug **FM Wire antenna**

5. Turning on the Amplifier Receiver

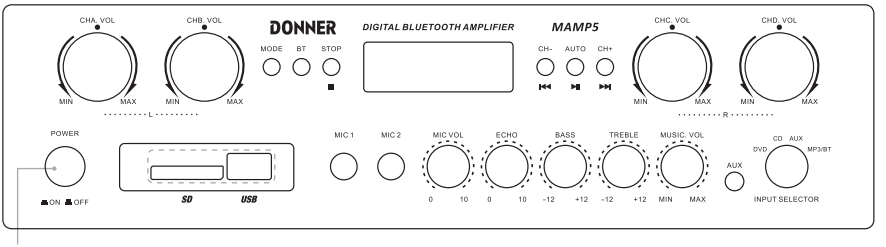
Before connecting the power cord make sure you set the Voltage Selector of this unit according to your local voltage. Improper setting of Voltage Selector may cause fire and damage to this unit,

1. Connect the power cord to a wall outlet





2. Press the [Power] button to turn it on.



[Power] button

BASIC OPERATION

Input Selector

Please rotate the **Input Selector** to the corresponding position before selecting an input mode (DVD / CD / AUX / MP3 / Bluetooth / FM)

1. Rotate to 

is the “DVD” input mode of the RCA jack.

2. Rotate to 

is the “CD” input mode of the RCA jack.

3. Rotate to 

is the “AUX” input mode.

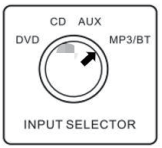
4. Rotate to 

is the BT/FM/USB/SD input mode.

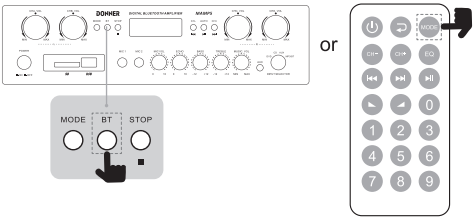
1. “MP3/BT” input mode and then press the BT button on the front panel.
2.“MP3/BT” input mode and then press the MODE button on the front panel to switch to FM mode.
3.“MP3/BT” input mode and then press the MODE button on the front panel to switch to USB mode.

Bluetooth Mode

1. Rotate the Input Selector to the BT/FM/USB/SD input mode.



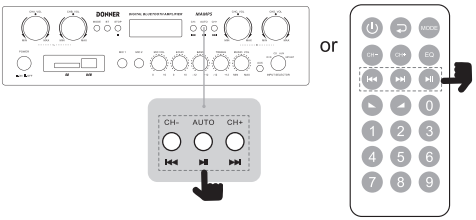
2. Press the **BT** button on the panel, or press MODE of remote control to select BT mode.



3. Set your Bluetooth device to search and connect to “DONNER MAMP5”.

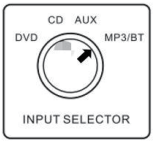


4. Press the **Play/Pause** button or Prev/Next button to control.

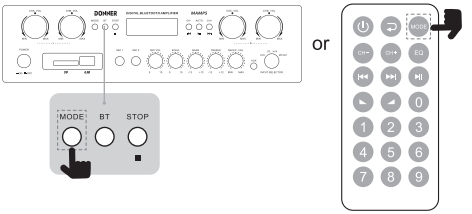


FM Mode

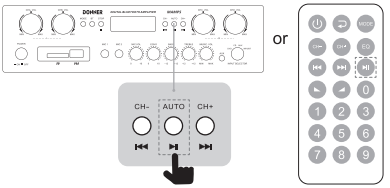
1. Rotate the Input Selector to the BT/FM/USB/SD input mode.



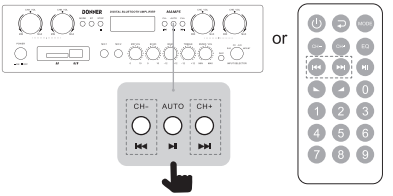
2. Press the **MODE** button on the panel, or press MODE of remote control to select FM mode.



3. Press the **Play/Pause** button on the panel or the remote control to automatically search the channel.

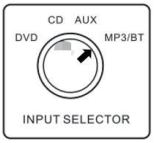


4. Press the **Prev/Next** button to control the channel.

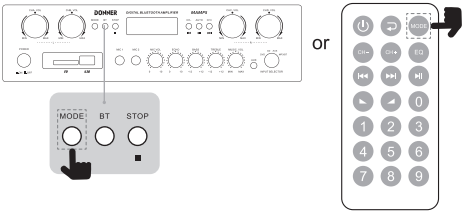


USB/SD Mode

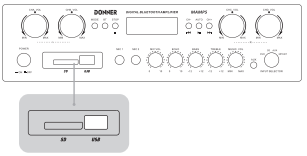
1. Rotate the Input Selector to the BT/FM/USB/SD input mode.



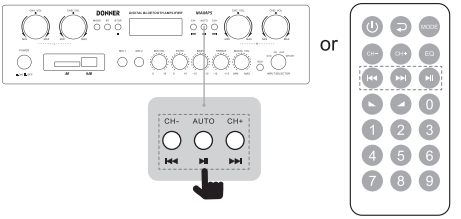
2. Press the **MODE** button on the panel, or press MODE of remote control to select USB/SD mode.



3. Insert the USB disk or SD card you are using (there must be songs in the USB or SD) and the amplifier will automatically play the songs.



4. Press the **Play/Pause** button or Prev/Next button to control.



TROUBLESHOOTING

Problem	Solution
No power	1.The AC power cord is disconnected. 2.The socket is in poor contact or not powered on.
No sound	1.The components of the speaker and wire are disconnected. 2.Make sure you select the correct input mode. 3.Whether the volume is at a minimum. 4.Short circuit or open circuit of loudspeaker wire.
No sound from the main speaker	1.Poor connection or wrong connection of loudspeaker. 2.The balanced potentiometer is not centered. 3.Short circuit or open circuit of loudspeaker wire.
The sound quality is poor	1.Speakers are not suitable. 2.The treble and bass are set too low. 3.Poor connection or wrong connection of loudspeaker.
No sound from the microphone	1.Microphone volume is set too low. 2.Short circuit or open circuit of microphone wire. 3.The microphone is off.
Severe hum or noise is heard	1.Check whether the speakers and components are properly and safely connected. 2.The plug and socket are too dirty

SPECIFICATIONS

Peak Power	110W x 4
RMS Output Power	25W+25W+25W+25W
Output Port	8 pair wire clips
Mode	Analog Class AB
Bluetooth	Version：5.0
	Frequency：2.4 GHz
	Supported formats: MP3, WMA, WAV, FLAC, APE
FM Radio Station	Radio Station: 50 channels
	Frequency: 76-108M Hz
Maximum USB/SD Card Support Capacity	Up to 32GB
Mic Input	2 Input
	Sensitivity：62mV
	Impedance 470Ω， Dynamic
Frequency Response	20Hz-20KHz (+/- 2dB)
Signal-to-noise Ratio	83dB
T.H.D.	<1%
Aux in Sensitivity	680mV
RCA Input Sensitivity	680mV
LED Display	Digital Tube
Reverb levels adjustment	7 times
Treble and Bass Control	100Hz，±11 dB 10KHz，±13 dB
LINE Input Sensitivity	400mV, microphone 6mV
Power Input	115V/60Hz or 230V/50Hz, Switchable

FCC STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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
This device complies with part 15 of the 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 complies with FCC radiation exposure limits setforth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met.
This product meets the applicable Industry Canada technical specifications.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with a minimum distance of 20centimeters between the radiator and your body.