

Owner's Manual

English

Bass Amplifier



KATANA-110 BASS
KATANA-210 BASS



KATANA-110 BASS

KTN110B

60 W output, 25 cm (10 inch) woofer, tweeter



KATANA-210 BASS

KTN210B

160 W output, 25cm (10inch) woofer x2, tweeter

This Owner's Manual applies to the KATANA-110 BASS and KATANA-210 BASS.

Explanations for specific models are distinguished by an icon (example: ).

日本語

Deutsch

Français

Italiano

Español

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Nederlands

USING THE UNIT SAFELY

Before using this unit, carefully read "IMPORTANT SAFETY INSTRUCTIONS" (inside front cover), "USING THE UNIT SAFELY" (p. 2), and "IMPORTANT NOTES" (p. 3). After reading, keep the document(s) where it will be available for immediate reference.

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INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About  WARNING and  CAUTION Notices

 WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The  symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

WARNING

Make sure that the power cord is grounded

Connect mains plug of this model to a mains socket outlet with a protective earthing connection.



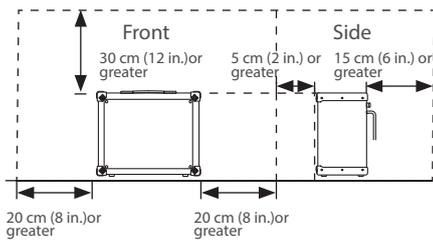
To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.



Secure a sufficient amount of space at the setup location

Since this unit normally emits a slight amount of heat, make sure to secure sufficient space around it, as shown below.



Do not disassemble or modify by yourself

Do not carry out anything unless you are instructed to do so in the owner's manual. Otherwise, you risk causing malfunction.



Do not repair or replace parts by yourself

Be sure to contact your dealer, a Roland service center, or an official Roland dealer.



For a list of Roland service centers and official Roland dealers, refer to the Roland website.

WARNING

Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.



Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



Connect the power cord to an outlet of the correct voltage

The unit should be connected to a power supply only of the type described as marked on the rear side of unit.



Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.



Do not bend the power cord or place heavy objects on it

Otherwise, fire or electric shock may result.



Avoid extended use at high volume

Use of the unit at high volume for extended periods of time may cause hearing loss. If you ever experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult a specialized physician.



Do not allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.



Turn off the unit if an abnormality or malfunction occurs

In the following cases, immediately turn off the power, remove the power cord from the outlet, and contact your dealer, a Roland service center, or an official Roland dealer for service.



- The power cord has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

For a list of Roland service centers and official Roland dealers, refer to the Roland website.

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.



Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.



Do not share an outlet with an unreasonable number of other devices

Otherwise, you risk overheating or fire.



Do not use overseas

Before using the unit in overseas, consult with your retailer, the nearest Roland service center, or an authorized Roland distributor.



For a list of Roland service centers and official Roland dealers, refer to the Roland website.

Don't block ventilation openings

Don't allow the unit's ventilation openings to be blocked by a newspaper, tablecloth, curtains, or similar objects.



Don't place burning objects on the unit

Don't place any burning object (such as a candle) on the unit.



Be aware of weather conditions

Use the apparatus in moderate climates.



⚠ CAUTION

When disconnecting the power cord, grasp it by the plug

To prevent conductor damage, always grasp the power cord by its plug when disconnecting it.



Periodically clean the power plug

An accumulation of dust or foreign objects between the power plug and the power outlet can lead to fire or electric shock.



At regular intervals, be sure to pull out the power plug, and using a dry cloth, wipe away any dust or foreign objects that may have accumulated.

Disconnect the power plug whenever the unit will not be used for an extended period of time

Fire may result in the unlikely event that a breakdown occurs.



Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.



⚠ CAUTION

Avoid climbing on top of the unit, or placing heavy objects on it

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



Never connect/disconnect a power plug if your hands are wet

Otherwise, you could receive an electric shock.



Disconnect all cords/cables before moving the unit

Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.



Before cleaning the unit, disconnect the power plug from the outlet

If the power plug is not removed from the outlet, you risk receiving an electric shock.



⚠ CAUTION

Whenever there is a threat of lightning, disconnect the power plug from the outlet

If the power plug is not removed from the outlet, you risk causing malfunction or receiving an electric shock.



Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.



- Removable Parts
Bluetooth ADAPTOR cover, screw (p. 11)

Do not remove the speaker grille and speaker

Do not remove the speaker grille and speaker by any means. Speaker is not user replaceable. Shock hazardous voltages and currents are present inside the enclosure.



IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit, or move it farther away from the source of interference.
- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.

- Do not place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

Maintenance

- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Before sending the unit away for repairs, be sure to make a backup of the data stored within it; or you may prefer to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, try to make a habit of creating regular backups of the data you've stored in the unit.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.

- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels.

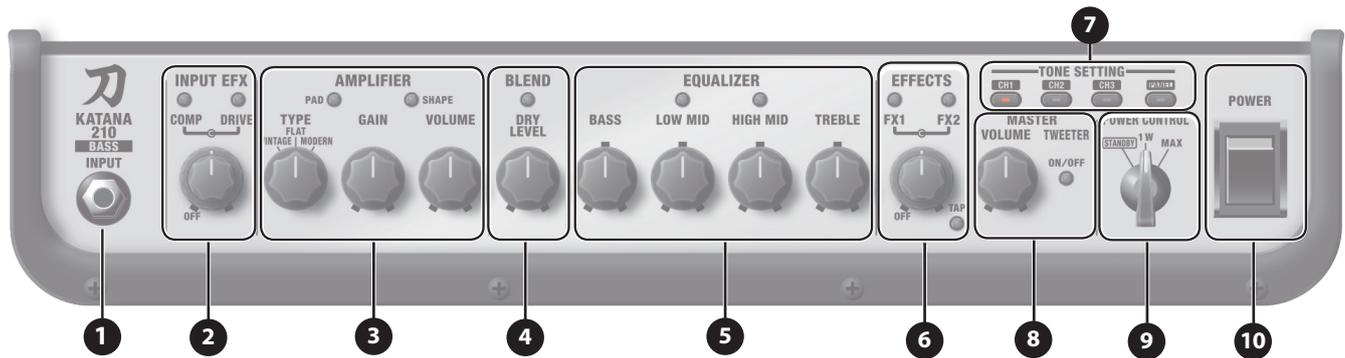
- When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
- Do not use connection cables that contain a built-in resistor.

Intellectual Property Right

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Panel Descriptions

Top Panel



1 INPUT jack

Connect your electric bass here.

2 INPUT EFX

Here you can make settings for the built-in effects installed in the input section. For details on the effect types and settings for each knob, refer to “Using the Effects” (p. 10).

[COMP] button/knob

Sets the comp and limiter effects.

[DRIVE] button/knob

Controls distortion-type effects.

3 AMPLIFIER

[PAD] button

Switching this on lowers the input sensitivity (-10 dB).

Switch this on if distortion occurs in this device’s input section as the result of using basses with high output signal levels or using connected devices. We recommend that this be switched off for ordinary use.

[TYPE] knob

Use this to select from one of three types: vintage, flat or modern.

[GAIN] knob

This adjusts the input gain. You can make the settings for a wide range of sounds, from clean to overdrive.

[VOLUME] knob

Adjusts the volume of the speaker and headphones.

[SHAPE] button

Adds a different tonal character to the amp sound. Pressing the button toggles between the three types (green/red/orange). The effect is off when the indicator is dark.

4 BLEND

[BLEND] button

Switches the frequency band in which the dry sound is blended. Pressing the button toggles between the three types (green/red/orange). The effect is off when the indicator is dark.

[DRY LEVEL] knob

Adjusts the level of the dry sound.

5 EQUALIZER

[BASS] knob

Adjusts the sound level of the low-frequency range.

[LOW MID] button

Switches between frequencies for the low midrange sound.

Pressing the button toggles between the three types (green/red/orange).

[LOW MID] knob

Adjusts the low-middle frequency range tone.

[HIGH MID] button

Switches between frequencies for the high midrange sound.

Pressing the button toggles between the three types (green/red/orange).

[HIGH MID] knob

Adjusts the high-middle frequency range tone.

[TREBLE] knob

Adjusts the sound level of the high-frequency range.

6 [EFFECTS] knob

Here you can make settings for the built-in effects. For details on the effect types and settings for each knob, refer to “Using the Effects” (p. 10).

[FX1] button/knob

Controls effects such as wah, tremolo, and octave.

[FX2] button/knob

Controls effects of delay and reverb.

[TAP] button

Sets the delay time. When you press this button two or more times, the delay time is set to the interval between presses.

7 TONE SETTING

Here you can store or recall sounds that you’ve set up on the panel.

You can store a total of six sounds.

BANK A	CH1, CH2, CH3
BANK B	CH1, CH2, CH3

MEMO

To switch between BANK A and BANK B, hold down the [PANEL] button for approximately one second when any one of the [CH 1]–[CH 3] buttons are selected.

The selected [CH1]–[CH3] button blinks, and the bank switches between BANK A and BANK B. When BANK B is selected, the [PANEL] button blinks slowly.



- * You can't switch banks while PANEL is selected.

[CH 1]–[CH 3] buttons

The [CH 1]–[CH 3] buttons remember the settings of all top panel knobs (except for the [MASTER VOLUME] knob and [POWER CONTROL] switch) and buttons. When you press and hold a button for one second, the panel settings are stored.

- * You can make the settings back to the factory state by turning the power on while holding down the [PANEL] button.

[PANEL] button

Makes the unit sound using the current settings of the panel knobs.

8 [MASTER] knob**[VOLUME] knob**

Adjusts the volume.

[TWEETER] button

Turns the tweeter on/off.

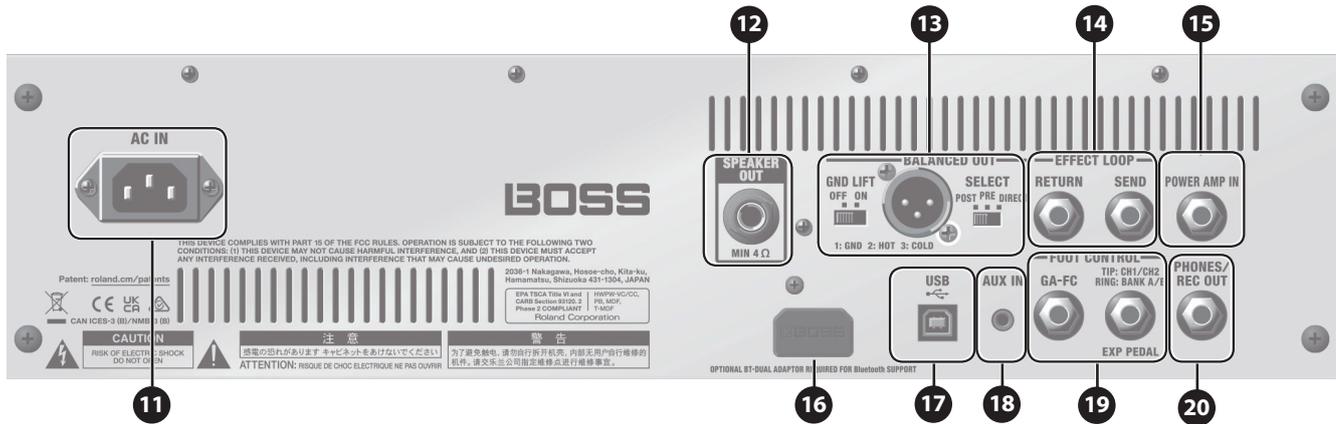
9 [POWER CONTROL] switch

Lets you switch the output level of the power amp. By selecting "STANDBY" you can mute the sound while leaving the unit powered-on. This lets you mute the amp without changing the volume or other settings when you leave the stage, such as between sets of your live performance.

10 [POWER] switch

Turns the power on/off.

Rear Panel



11 AC IN jack

Connect the included power cord.

- * Use only the power cord that was included with the unit.

12 SPEAKER OUT jack (KATANA-210 BASS only)

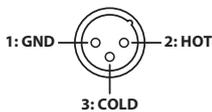
Connect a speaker box. Only use speaker cable to connect the speaker. Do not use any shielded cable designed for use with bass.

- If a plug is inserted in this jack, no sound will be output from the speaker.
- You must use a speaker box that has an input impedance of 4Ω or higher.

13 BALANCED OUT connector

Connect this to an external PA system or other such audio equipment.

- * Pin assignment of BALANCED OUT connector



To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

[SELECT] switch

Selects either DIRECT, PRE or POST output.

[GND LIFT] switch

Loop hum noise may occur when other external devices are connected to the KATANA BASS. In such instances, you may be able to mitigate the problem by switching the position of the [GND LIFT] switch. The [GND LIFT] switch should be normally set to OFF.

Switch	Description
ON	Pin 1 of BALANCED OUT connector is disconnected from this unit's ground.
OFF	Pin 1 of BALANCED OUT connector is connected to this unit's ground.

14 EFX LOOP SEND/RETURN jacks

Connect an external effect device (mono).

Connect the SEND jack to the input of your external effect device, and connect the output of your external effect device to the RETURN jack.

15 POWER AMP IN jack

This jack directly inputs a signal to the power amp without passing it through the preamp of the KATANA BASS. You can use it to input sound that's been shaped by an external preamp or by a multi-effect unit equipped with an amp simulator. If you're using the POWER AMP IN jack, the [PANEL] button is lit green.

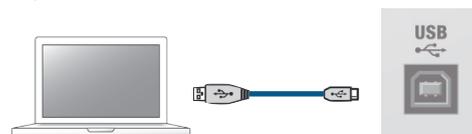
- * Sound that is input to this jack is not affected by controls other than the [MASTER] knob, the [POWER CONTROL] switch and the [TWEETER] button.
- * The POWER AMP IN jack and the INPUT jack cannot be used simultaneously. If cables are connected to both, the INPUT jack has priority.

16 Bluetooth ADAPTOR connector

Connect the **Bluetooth®** Audio MIDI Dual Adaptor (BT-DUAL, sold separately) to wirelessly play back music from your mobile device like a smartphone or tablet (hereafter "mobile device"), or to edit the effects from a dedicated app on your mobile device (p. 10).

17 USB port

You can use a commercially available USB 2.0 cable to record the sound of the KATANA BASS into your computer. You can also use dedicated software to edit the settings of the internal effects (p. 10).



You must install the USB driver when connecting the unit to your computer.

Download the USB driver from the Roland website. For details, refer to Readme.htm which is included in the download.

<http://www.boss.info/support/>

18 AUX IN jack

Here you can connect a CD player, audio player, electronic musical instrument, or similar audio source, and listen to it while you play your bass.

19 FOOT CONTROL**GA-FC jack**
.....

You can connect the separately sold GA-FC to switch channels and turn effects on/off.

SEL CH1 CH2/EXP PEDAL jack
.....

If you connect a footswitch (sold separately: FS-6, FS-7, or FS-5L), you can use your foot to switch between BANK A and BANK B and CH 1 and CH 2. If you connect an expression pedal (sold separately: Roland EV-5, BOSS EV-30, BOSS FV-500L, BOSS FV-500H), you can use your foot to vary the volume.

20 PHONES/REC OUT jack

Connect headphones here. You can obtain powerful bass sounds just as if you were playing through the speaker. To adjust the volume, use the [VOLUME] knob along with the [MASTER] knob.

- * If a plug is inserted in this jack, no sound will be output from the KATANA BASS's own speaker. This is convenient if you don't want loud sound to be produced from the speaker, such as when you're practicing at night.

English

日本語

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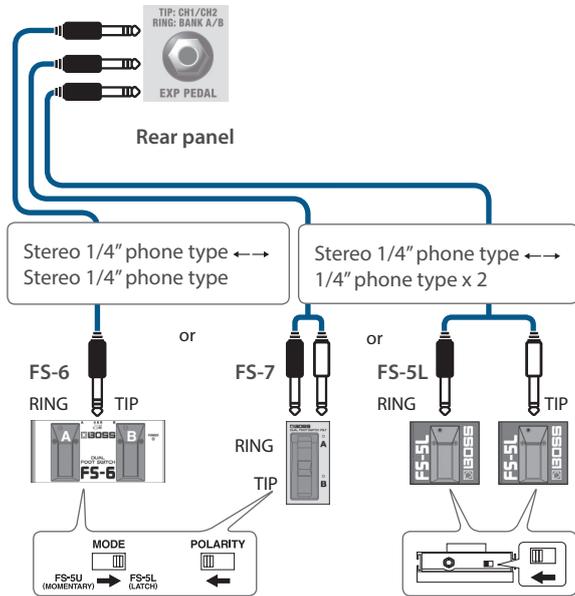
Español

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Connecting a Footswitch

Connecting a footswitch (sold separately: BOSS FS-6, FS-7, or FS-5L)



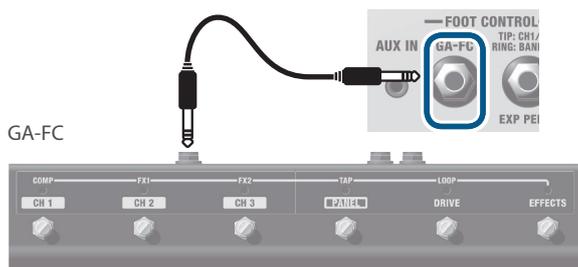
Switch	Explanation
TIP	Switches between CH1 and CH2.
RING	Switches between BANK A and BANK B.

* The KATANA BASS are compatible with latch-type footswitches (FS-6, FS-7, FS-5L). If you're using an FS-6 or FS-7, set the mode of A and B to FS-5L (LATCH). Momentary-type footswitches (e.g., FS-5U) cannot be used.

Connecting the GA-FC

Connect a stereo cable to the GA-FC jack.

- * Always use a stereo cable.
- * Use cables that do not contain resistors.



Using the GA-FC

You can switch TONE SELECT (CH1–CH3, PANEL) and DRIVE. You can also switch EFFECTS (COMP, FX1, FX2, LOOP) on/off and TAP (tap to input time).

Using the expression pedals

If you connect an expression pedal (sold separately: Roland EV-5, BOSS EV-30, BOSS FV-500L, BOSS FV-500H), you can use the pedal to vary the volume or control an effect such as WAH.



Jack	Explanation
VOL/EXP1, EXP2	You can adjust the volume and control an effect such as WAH.

* You can use dedicated software (p. 10) to assign a function of your choice to an expression pedal connected to the VOLUME or EXP jack.

Setting MINIMUM VOLUME of an expression pedal

With the [MINIMUM VOLUME] knob of an expression pedal, you can set the value for when the pedal is lifted up all the way (lowest value).

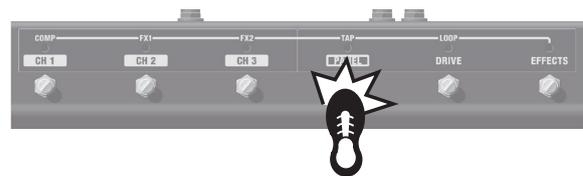


* Use only the specified expression pedal. By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.

Using the GA-FC to switch the BANK

With one of the channels [CH1]–[CH3] selected, hold down the [PANEL] switch for approximately one second.

The selected [CH1]–[CH3] switch blinks, and the bank switches between BANK A and BANK B. When BANK B is selected, the [PANEL] button blinks slowly.



* You can't switch banks while PANEL is selected.

Turning the Power On/Off

* Once everything is properly connected (p. 4–p. 7), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

1. Make sure that the KATANA BASS's [MASTER] knob and the volume of the devices connected to the KATANA BASS are set to 0.

* Before connecting your instrument to the KATANA BASS's INPUT jack, set the [MASTER] knob to the minimum setting (far left).

2. Turn on the KATANA BASS.

* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.



3. Turn on the power of the devices connected to the BALANCED OUT jack and PHONES/REC OUT jack.

4. Adjust the volume levels for the devices.

Before switching off the power, lower the volume on each of the devices in your system and then TURN OFF the devices in the reverse order to which they were switched on.

If you need to turn off the power completely, first turn off the unit, then unplug the power cord from the power outlet. Refer to "To completely turn off power to the unit, pull out the plug from the outlet" (p. 2).

Restoring the Factory Settings

Here's how the settings stored in the KATANA BASS can be returned to their factory-set condition (factory reset).

1. While holding down the [PANEL] button, turn the power on.

Each of the SETTING buttons continues blinking consecutively. When the blinking stops, all of the KATANA BASS's settings return to the factory-set state.



* It takes approximately 30 seconds for the factory reset to be completed. Don't turn off the power while the factory reset is in progress.

Using the Effects

You can use four types of effect simultaneously.

Effects assigned to each knob when the unit is shipped

Knob	Color of the button	COMP	DRIVE
	Green	BANK A	BOSS COMP
		BANK B	LIGHT COMP
	Red	BANK A	HI BAND COMP
		BANK B	MILD COMP
Orange	BANK A	BOSS LIMITER	
	BANK B	FAT COMP	

Knob	Color of the button	FX1	FX2
	Green	BANK A	T.WAH
		BANK B	HEAVY OCTAVE
	Red	BANK A	CHORUS
		BANK B	PHASER
Orange	BANK A	ENHANCER	
	BANK B	BASS SYNTH	

1. Select a BANK.

Hold down the [PANEL] button for approximately one second when any one of the [CH 1]–[CH 3] buttons are selected.

The selected [CH1]–[CH3] button blinks, and the bank switches between BANK A and BANK B. When BANK B is selected, the [PANEL] button blinks slowly.



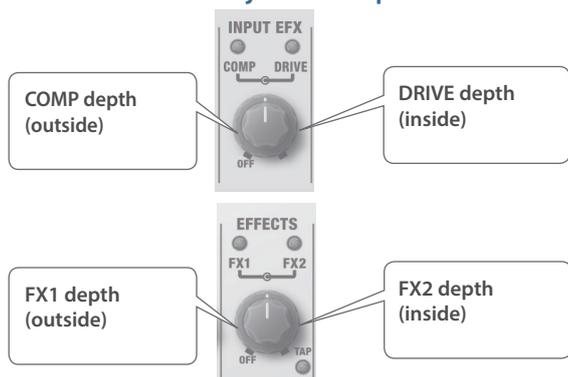
* You can't switch banks while PANEL is selected.

2. Press the [COMP], [DRIVE], [FX1] or [FX2] button to select the effect that you want to use.

Each time you press the button, its color changes.



3. Turn the knob to adjust the depth of the effect.



Making use of the KATANA-110 BASS and KATANA-210 BASS's dedicated software

You can connect the amp via USB to your computer, and use it with dedicated software. Using the dedicated software allows you to do the following:



- Easily download dedicated effects from Boss Tone Central (<http://bosstonecentral.com>) download site into the amp.
- Edit the effect settings.
- Back up effects and other internal settings, or restore settings from a backup.

You can easily download the dedicated software from our BOSS TONE CENTRAL (<http://bosstonecentral.com/>) website. For details on how to use the software, refer to the Readme.htm file that comes with the download.

Wireless Connection with a Mobile Device

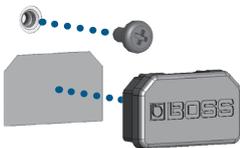
Attach the BT-DUAL (sold separately) to the unit to wirelessly play back music on your mobile device, or to edit the effects of this unit from the app on your mobile device.

- * Note that the KATANA-110 BASS and KATANA-210 BASS does not offer Bluetooth functionality. You'll need to attach the BT-DUAL (sold separately) to use Bluetooth.

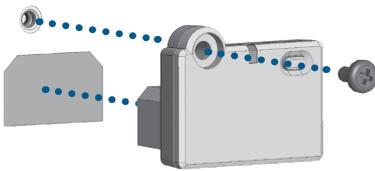
Attaching the BT-DUAL

Attach the BT-DUAL to the Bluetooth ADAPTOR connector of KATANA-110 BASS or KATANA-210 BASS.

1. Power down the unit you're using (KATANA-110 BASS or KATANA-210 BASS) and unplug the AC adaptor from the AC outlet.
2. Remove the cover and screw from the Bluetooth ADAPTOR connector on the rear panel.



3. Attach the BT-DUAL and fasten the screw that you removed in step 2 in place.



NOTE

- Be sure to use only the screw that was originally mounted on the Bluetooth ADAPTOR connector. If you use a different screw, the unit may malfunction.
- Do not touch any of the printed circuit pathways or connection terminals.
- After you have attached the BT-DUAL, check again whether it is properly installed.

Listening to Sound via Wireless Connection with a Mobile Device

Bluetooth® Audio

With the KATANA-110 BASS or KATANA-210 BASS, you can use Bluetooth audio functionality to listen to music or music video played back on a mobile device through this unit's speakers.

Registering a Mobile Device (Pairing)

"Pairing" involves registering the mobile device that you want to use with the unit (making the two devices recognize each other).

Here we'll configure the settings so that music data saved on your mobile device can be played wirelessly via the unit.

MEMO

The following explanation is only one example. For details, refer to the owner's manual of your mobile device.

1. Turn on the power of the unit (KATANA-110 BASS or KATANA-210 BASS).
2. Place the mobile device that you want to connect close to the unit.
3. Hold down the pairing button on the BT-DUAL until the Bluetooth indicator blinks rapidly.

Bluetooth indicator



4. Turn on the Bluetooth function of the mobile device.



MEMO

This explanation uses the iPhone as an example. For details, refer to the owner's manual of your mobile device.

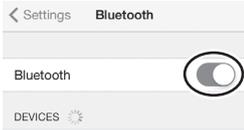
5. Tap "KTN-BASS Audio," shown on the Bluetooth device screen of your mobile device.

This pairs the BT-DUAL with your mobile device. When pairing succeeds, "KTN-BASS Audio" is added to the list of "Paired Devices" on your mobile device.

- * If you don't complete the pairing within a certain time, the Bluetooth indicator goes dark and the unit exits pairing standby mode.

Connecting an Already-Paired Mobile Device

1. With the BT-DUAL's Bluetooth indicator off, press the pairing button.
2. Turn on the Bluetooth function of the mobile device.



MEMO

- If you were unable to connect using the steps above, tap "KTN-BASS Audio," displayed in the Bluetooth device screen of the mobile device.
- To disconnect, press the pairing button on the BT-DUAL to make the Bluetooth indicator go dark, or turn off the mobile device's Bluetooth function.

Adjusting the Volume

1. Adjust the volume on the mobile device.

Adjust the volume of Bluetooth audio.

2. Turn the [MASTER VOLUME] knob on the KATANA-110 BASS or KATANA-210 BASS.

The [MASTER VOLUME] knob controls Bluetooth audio, the audio of devices connected to the USB port, and the volume of audio from mobile devices connected to the AUX IN jack. When you turn the [MASTER VOLUME] knob, this controls both the volume of Bluetooth audio and the volume of the devices connected to each jack.

Disabling Bluetooth Functionality

If you want to disconnect the Bluetooth connection between the BT-DUAL and your mobile device, disable Bluetooth functionality. When this unit is not connected to the mobile device via Bluetooth, we recommend you turn off Bluetooth to save on battery power.

1. Press the pairing button on the BT-DUAL.

The Bluetooth indicator goes dark.

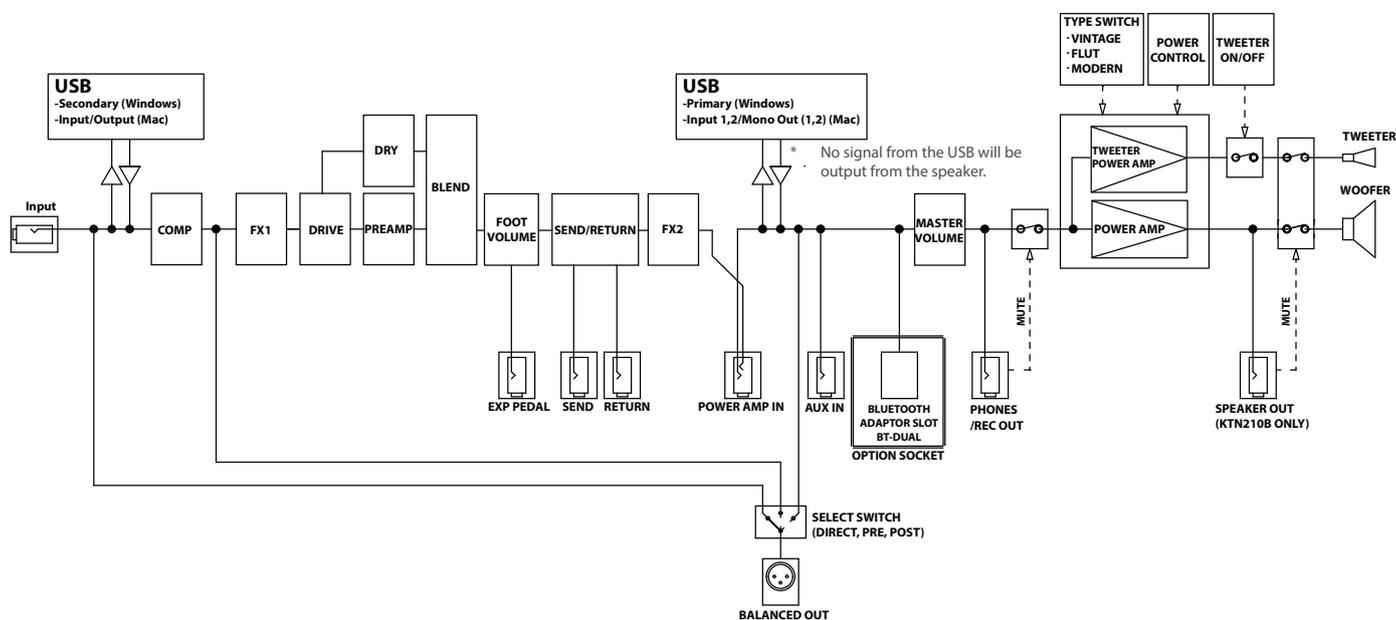
Controlling the KATANA BASS from a Mobile Device App

Use the "BOSS TONE CENTRAL" app to edit effects and save settings on this unit.

For details on the BOSS TONE CENTRAL, see the BOSS website.

<http://bosstonecentral.com/>

Block Diagram



Main Specifications

	KATANA-210 BASS	KATANA-110 BASS
Rated Power Output	160 W	60 W
Nominal Input Level	INPUT: -10 dBu (1 M Ω) POWER AMP IN: -10 dBu (20 k Ω) AUX IN: -10 dBu (20 k Ω) RETURN IN: -10 dBu (100 k Ω)	INPUT: -10 dBu (1 M Ω) POWER AMP IN: -10 dBu (20 k Ω) AUX IN: -10 dBu (20 k Ω) RETURN IN: -10 dBu (100 k Ω)
Speaker	WOOFER: 25 cm x 2 TWEETER: x 1	WOOFER: 25 cm (10 inches) x 1 TWEETER: x 1
Controls	<p>POWER switch MASTER VOLUME knob POWER CONTROL switch (STANDBY, 1 W, MAX) TWEETER button</p> <p>[INPUT EFX] COMP button DRIVE button COMP knob DRIVE knob</p> <p>[AMPLIFIER] PAD button SHAPE button TYPE knob (VINTAGE, FLAT, MODERN) GAIN knob VOLUME knob</p> <p>[BLEND] BLEND button DRY LEVEL knob</p> <p>[EQUALIZER] LOW MID button HIGH MID button BASS knob LOW MID knob HIGH MID knob TREBLE knob</p> <p>[EFFECTS] FX1 button FX2 button TAP button FX1 knob FX2 knob</p> <p>[TONE SETTING] CH1 button CH2 button CH3 button PANEL button</p> <p>[BALANCED OUT] GND LIFT switch (OFF, ON) SELECT (POST, PRE, DIRECT)</p>	<p>POWER switch MASTER VOLUME knob POWER CONTROL switch (STANDBY, 1 W, MAX) TWEETER button</p> <p>[INPUT EFX] COMP button DRIVE button COMP knob DRIVE knob</p> <p>[AMPLIFIER] PAD button SHAPE button TYPE knob (VINTAGE, FLAT, MODERN) GAIN knob VOLUME knob</p> <p>[BLEND] BLEND button DRY LEVEL knob</p> <p>[EQUALIZER] LOW MID button HIGH MID button BASS knob LOW MID knob HIGH MID knob TREBLE knob</p> <p>[EFFECTS] FX1 button FX2 button TAP button FX1 knob FX2 knob</p> <p>[TONE SETTING] CH1 button CH2 button CH3 button PANEL button</p> <p>[BALANCED OUT] GND LIFT switch (OFF, ON) SELECT switch (POST, PRE, DIRECT)</p>

	KATANA-210 BASS	KATANA-110 BASS
Indicators	COMP DRIVE PAD SHAPE BLEND LOW MID HIGH MID FX1 FX2 TAP CH1 CH2 CH3 PANEL TWEETER	COMP DRIVE PAD SHAPE BLEND LOW MID HIGH MID FX1 FX2 TAP CH1 CH2 CH3 PANEL TWEETER
Connectors	INPUT jack: 1/4-inch phone type POWER AMP IN jack: 1/4-inch phone type BALANCED OUT jack: 1/4-inch phone type SEND jack: 1/4-inch phone type RETURN jack: 1/4-inch phone type SPEAKER OUT 4 ohms jack: 1/4-inch phone type REC OUT/PHONES jack: Stereo 1/4-inch phone type EXP PEDAL/CTL CH1/CH2 jack: 1/4-inch TRS phone type GA-FC jack: 1/4-inch TRS phone type AUX IN jack: Stereo miniature phone type USB port: USB B type Bluetooth ADAPTOR SLOT: Bluetooth® Audio MIDI Dual Adaptor AC IN jack	INPUT jack: 1/4-inch phone type POWER AMP IN jack: 1/4-inch phone type BALANCED OUT jack: 1/4-inch phone type SEND jack: 1/4-inch phone type RETURN jack: 1/4-inch phone type REC OUT/PHONES jack: Stereo 1/4-inch phone type EXP PEDAL/CTL CH1/CH2 jack: 1/4-inch TRS phone type GA-FC jack: 1/4-inch TRS phone type AUX IN jack: Stereo miniature phone type USB port: USB B type Bluetooth ADAPTOR SLOT: Bluetooth® Audio MIDI Dual Adaptor AC IN jack
Power Consumption	117 W	77 W
Dimensions (Include handle and rubber feet)	490 (W) x 360 (D) x 620 (H) mm 19-5/16 (W) x 14-3/16 (D) x 24-7/16 (H) inches	470 (W) x 300 (D) x 500 (H) mm 18-9/16 (W) x 11-13/16 (D) x 19-11/16 (H) inches
Weight	21.8 kg 48 lbs 1 oz	16.8 kg 37 lbs 0.6 oz
Accessories	Owner's Manual Power cord GA-FC sticker	Owner's Manual Power cord GA-FC sticker
Options (sold separately)	Footswitch: FS-5L, FS-6, FS-7 Expression pedal: Roland EV-5, EV-30, FV-500L, FV-500H GA FOOT CONTROLLER: GA-FC Bluetooth® Audio MIDI Dual Adaptor: Model BT-DUAL	Footswitch: FS-5L, FS-6, FS-7 Expression pedal: Roland EV-5, EV-30, FV-500L, FV-500H GA FOOT CONTROLLER: GA-FC Bluetooth® Audio MIDI Dual Adaptor: Model BT-DUAL

* 0 dBu = 0.775 Vrms

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

English

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