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Owner's Manual

刀

Bass Amplifier

KATANA-110 BASS
KATANA-210 BASS
KATANA-500 BASS HEAD

This Owner's Manual applies to the KATANA-110 BASS, KATANA-210 BASS, and KATANA-500 BASS HEAD.

Explanations for specific models are distinguished by an icon (example: (KATANA-210 BASS only)).

KATANA-110 BASS
KTN110B
110 W peak output, 25 cm (10 inch) woofer, tweeter
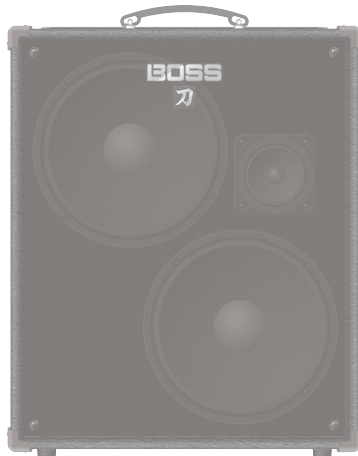
KATANA-210 BASS
KTN210B
300 W peak output, 25cm (10inch) woofer ×2, tweeter

KATANA-500 BASS HEAD
KTN500B HD
500 W peak output,

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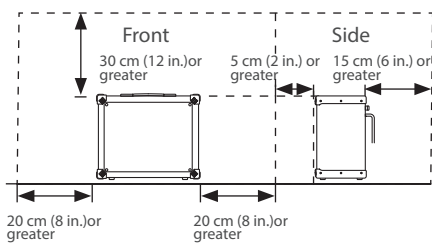
To completely turn off power to the unit, pull out the plug from the outlet

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.

```
          Front                    Side
  30 cm (12 in.) or    5 cm (2 in.) or   15 cm (6 in.) or
  greater              greater            greater

 20 cm (8 in.) or       20 cm (8 in.) or
 greater                greater
```

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.

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⚠ 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.

Do not remove the speaker grille and speaker (KTN110B, KTN210B only)

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 benzine, 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, be sure to make a backup of the data stored within it; or you may prefer to write down the needed information.

- 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.

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3

Panel Descriptions

Top Panel (KATANA-110 BASS, KATANA-210 BASS)
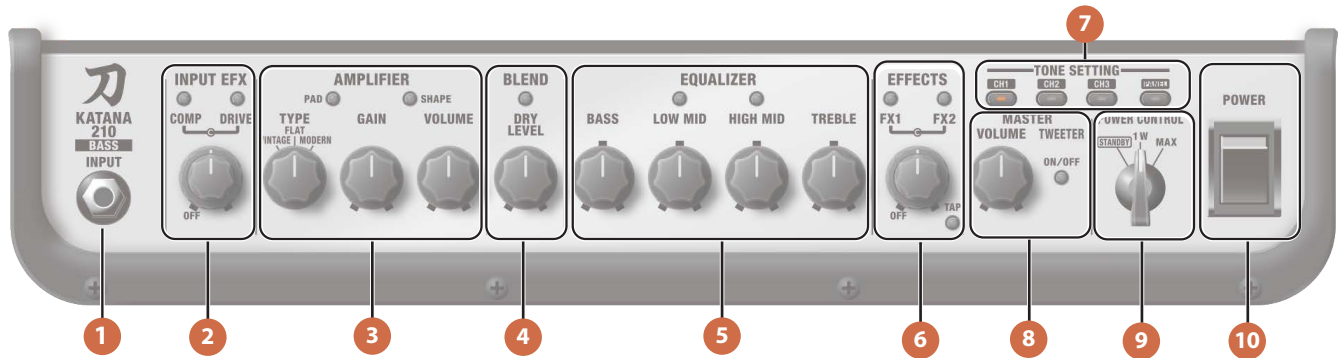
1 INPUT jack

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. 13).

[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 sound level of the low-middle frequency range.

[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 sound level of the high-middle frequency range.

[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. 13).

[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

4

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.

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Rear Panel (KATANA-110 BASS, KATANA-210 BASS)
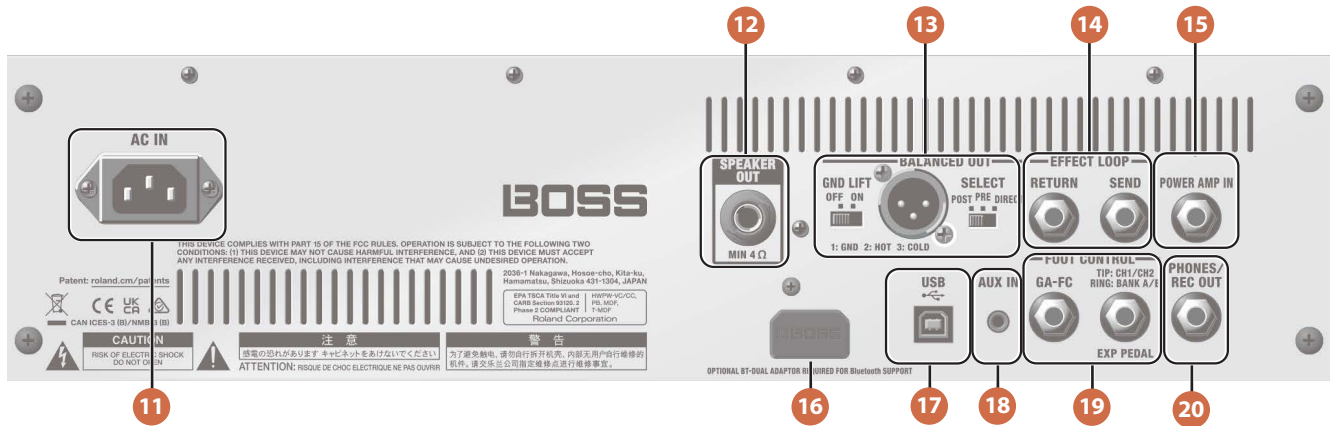
11 AC IN jack

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
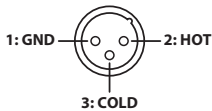
1: GND   2: HOT   3: COLD

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.
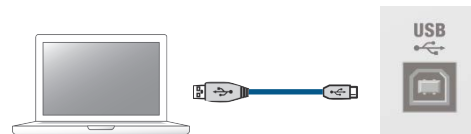
16 Bluetooth ADAPTOR connector

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. 14).

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. 14).

* Do not use a USB cable that is designed only for charging a device. Charge-only cables cannot transmit data.

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.

https://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.
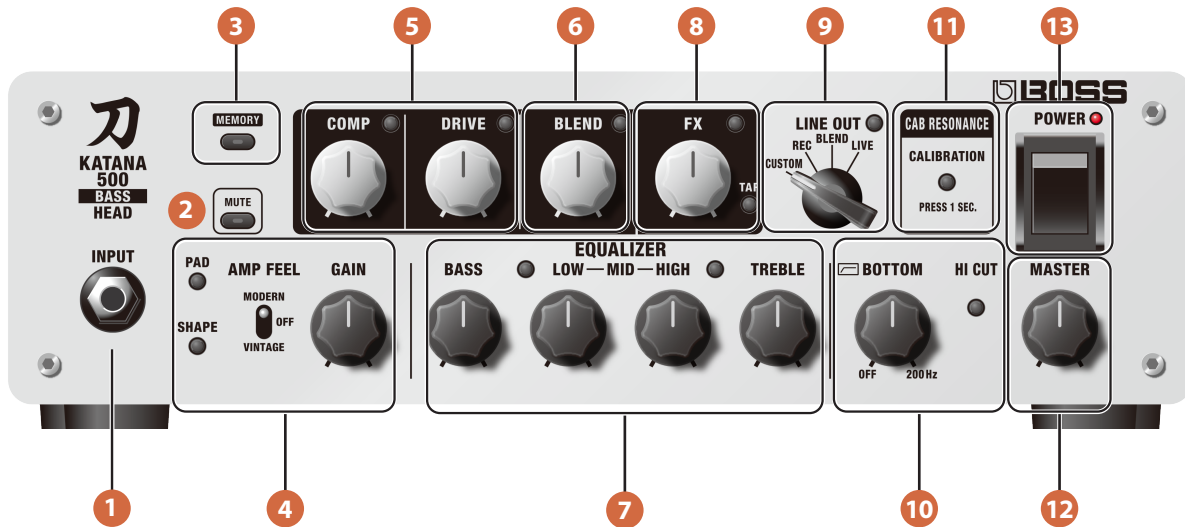
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Front Panel (KATANA-500 BASS HEAD)

1 INPUT jack

Connect your electric bass here.

2 [MUTE] button

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.

3 [MEMORY] button

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

To store a sound to memory, long-press the button for one second or more.

To recall a sound from memory, press the button without holding it down. Each press of the button toggles between the sound stored in memory and the sound indicated by the current knob positions. When the sound stored in memory is selected, the button lights up red.

* You can use a GA-FC or GA-FC EX foot controller to access three memories (red, green and orange). The memories can also be written if you long-press the [MEMORY] button for at least one second. See "Using the GA-FC/GA-FC EX" (p. 11) for details.

4 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.

[AMP FEEL] switch

Selects the amp type. You can select from two types of amps, modern and vintage.

[GAIN] knob

This adjusts the input gain.

[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.

5 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. 13).

[COMP] button/knob

Sets the comp and limiter effects.

[DRIVE] button/knob

Controls distortion-type effects.

6 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.

[BLEND] knob

Adjusts the level of the dry sound.

7 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 sound level of the low-middle frequency range.

[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 sound level of the high-middle frequency range.

[TREBLE] knob

Adjusts the sound level of the high-frequency range.

8 EFFECTS

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. 13).

[FX] button/knob

Controls effects of modulation and delay.

[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.

9 LINE OUT

Knob Position	Explanation
CUSTOM	Select either the setting that you configured on the dedicated software (p. 14) to use. Press the button just above the knob (the CUSTOM button) to select one of three settings (green, red and orange). * The CUSTOM button only works when the knob is set to CUSTOM.
REC	A distantly-miked sound for recording.
LIVE	A close-miked sound for live.
BLEND	A sound providing a good blend of closed-miked and distantly miked sound that can be broadly used for live or recording.

10 [BOTTOM] knob/ [HI CUT] Button

[BOTTOM] knob

Specifies the threshold frequency (upper limit) of the low-frequency region to be cut. Turn this all the way counterclockwise to cancel the low-frequency audio cut.

[HI CUT] button

Cuts the high frequencies. Pressing the button toggles between the types (green/red/orange). When the LED is dark, this feature is off.

11 CAB RESONANCE

This feature calibrates the sound of the amp to improve the sound coming from external speakers.

Hold down the button for at least one second. The button blinks red, and a measurement signal is output. Once the sound calibration is complete, the button lights up. There are two types of sound calibration.

Button LED color	Type
green	Adjusts the entire frequency range
orange	Adjusts the low frequency range

Pressing the button toggles between green, orange and unlit (off).

This setting is remembered even when the power is switched off.

* You can't calibrate the sound when MUTE is on, when the [MASTER] knob is set to "0", or when the PHONES/REC OUT jack is being used.
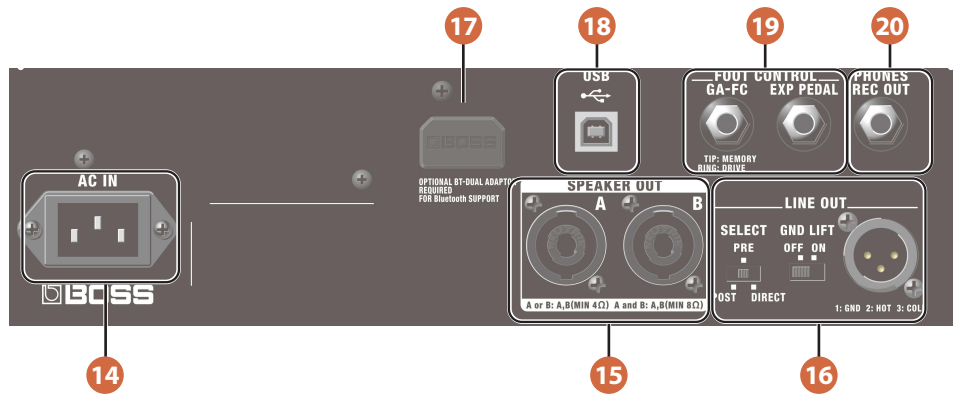
12 [MASTER] knob

Adjusts the volume.

13 [POWER] switch

Turns the power on/off.

9

Rear Panel (KATANA-500 BASS HEAD)

14 AC IN jack

Connect the included power cord.

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

## 15 SPEAKER OUT (A/B) jacks

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

- If you are connecting the A or B jacks to a single speaker box, you must use a speaker box with an input impedance of 4Ω or higher.
- If you are connecting both A and B jacks to a speaker box, you must use a speaker box with an input impedance of 8Ω or higher.

16 LINE OUT connector

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

* Pin assignment of LINE OUT connector
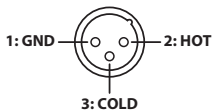
To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

[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-500 BASS HEAD. 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.

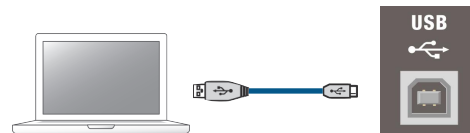| Switch	Description
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18 USB ⟷ port

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* Do not use a USB cable that is designed only for charging a device. Charge-only cables cannot transmit data.

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.

https://www.boss.info/support/

19 FOOT CONTROL

GA-FC jack

You can connect the separately sold GA-FC or GA-FC EX to switch channels and turn effects on/off. Also, connecting a footswitch (FS-6, FS-7 or FS-5L; sold separately) lets you use your feet to switch between the sound you've set on the panel and the memories, and turn DRIVE on/off.

EXP PEDAL jack

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 speaker connected to the KATANA-500 BASS HEAD. This is convenient if you don't want loud sound to be produced from the speaker, such as when you're practicing at night

Connecting a Footswitch

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

KATANA-110 BASS, KATANA-210 BASS

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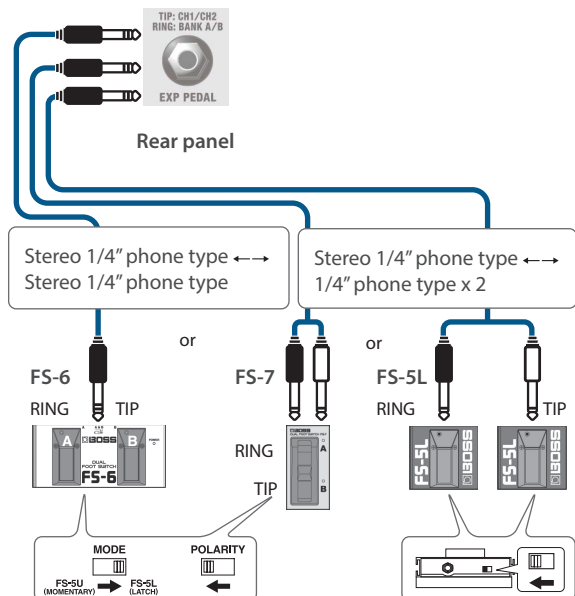
Switch	Explanation
TIP	Switches between CH1 and CH2.
RING	Switches between BANK A and BANK B.

* 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.

KATANA-500 BASS HEAD

Rear panel
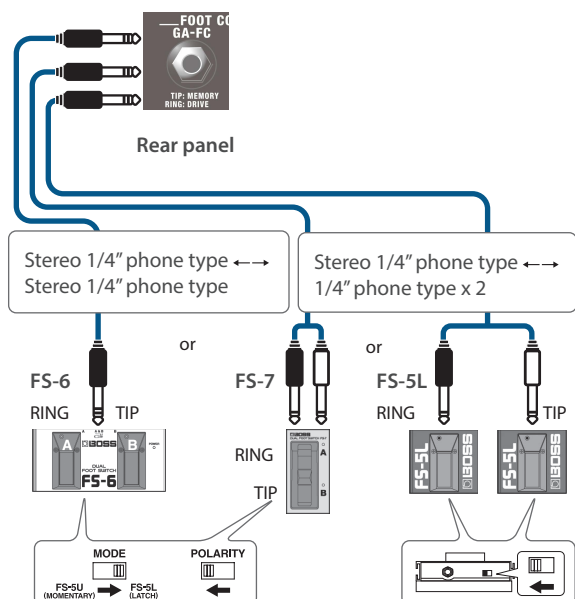
Switch	Explanation
TIP	Switches between the sound you've set on the panel and the sounds in memory.
RING	Toggles DRIVE on/off.

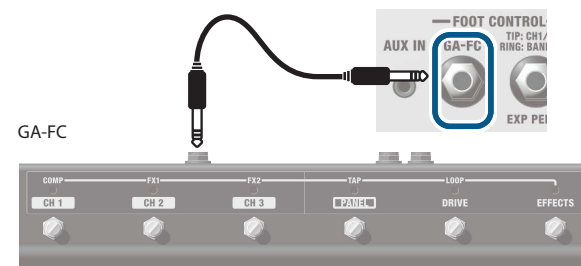* The KATANA BASS are compatible with latch-type footswitches

(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.
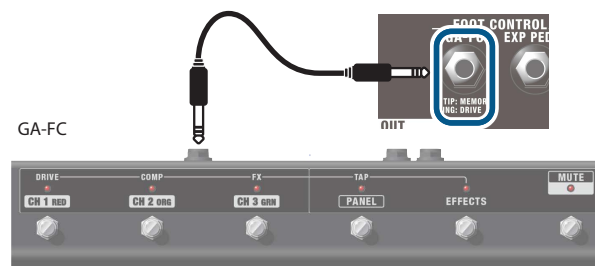
Connecting the GA-FC/GA-FC EX

Connect a stereo cable to the GA-FC jack.

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

KATANA-110 BASS, KATANA-210 BASS

KATANA-500 BASS HEAD

Using the GA-FC/GA-FC EX

## KATANA-110 BASS, KATANA-210 BASS

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).

KATANA-500 BASS HEAD

This lets you switch between the sound you've set on the panel and the sounds that are stored in memory, as well as turn DRIVE on/off.

You can use dedicated software (p. 14) to store three sounds in memory. These three sounds can then be recalled using the CH 1, CH 2 and CH 3 switches of the GA-FC. The [MEMORY] buttons on this unit light up (CH 1: red; CH 2: orange; CH 3: green) according to the channel you've selected.

11

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.
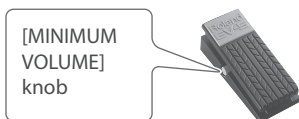
GA-FC
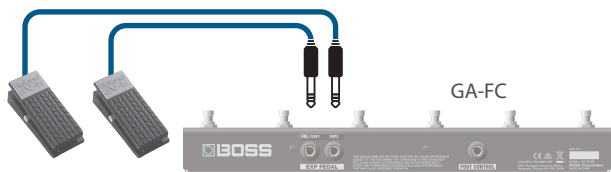
Expression Pedal

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

*   You can use dedicated software (p. 14) 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).

[MINIMUM VOLUME] knob

*   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

KATANA-110 BASS and KATANA-210 BASS only

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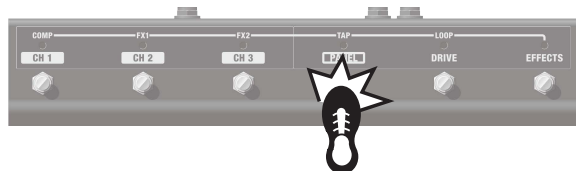
*   You can't switch banks while PANEL is selected.
*

Turning the Power On/Off

*   Once everything is properly connected (p. 4–p. 10), 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.

POWER

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).

KATANA-110 BASS, KATANA-210 BASS

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 settings return to the factory-set state.

    TONE SETTING
    CH1 CH2 CH3 PANEL

KATANA-500 BASS HEAD

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

    The [MEMORY] button continues blinking. When the blinking stops, all of the settings return to the factory-set state.

    MEMORY

*   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

Effects assigned to each knob when the unit is shipped

KATANA-110 BASS, KATANA-210 BASS

You can use four types of effect simultaneously.

Knob	Color of the button		COMP	DRIVE
	Green	BANK A	BOSS COMP	BOOSTER
		BANK B	LIGHT COMP	BASS OD
	Red	BANK A	HI BAND COMP	HI BAND DRV
		BANK B	MILD COMP	BASS DS
	Orange	BANK A	BOSS LIMITER	BASS DI
		BANK B	FAT COMP	BASS DRV

Knob	Color of the button		FX1	FX2
	Green	BANK A	T.WAH	ANALOG DELAY
		BANK B	HEAVY OCTAVE	TAPE ECHO
	Red	BANK A	CHORUS	DIGITAL DELAY
		BANK B	PHASER	SDE3000
	Orange	BANK A	ENHANCER	PLATE REVERB
		BANK B	BASS SYNTH	HALL REVERB

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.
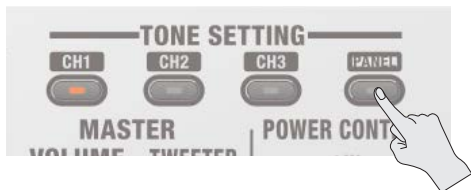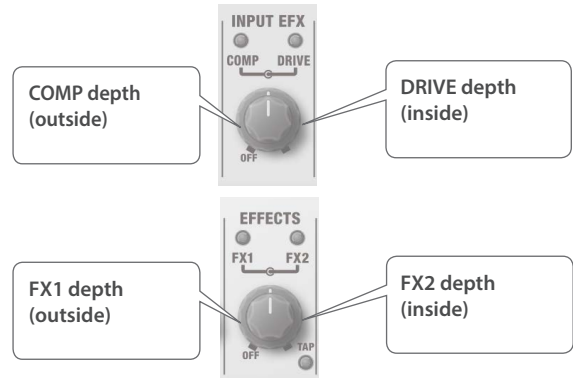

* You can't switch banks while PANEL is selected.

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.

COMP depth (outside)   DRIVE depth (inside)

FX1 depth (outside)   FX2 depth (inside)

KATANA-500 BASS HEAD

You can use three types of effect simultaneously.

Knob	Color of the button	COMP
	Green	LIGHT COMP
	Red	BOSS COMP
	Orange	LIMITER

Knob	Color of the button	DRIVE
	Green	BASS OD
	Red	BASS DS
	Orange	BASS FUZZ

Knob	Color of the button	FX
	Green	CHORUS
	Red	T-WAH
	Orange	HEAVY OCTAVE

1. Press the [COMP], [DRIVE], or [FX] button to select the effect that you want to use.

Each time you press the button, its color changes.

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

Making use of the KATANA-110 BASS, KATANA-210 BASS, and KATANA-500 BASS HEAD'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, KATANA-210 BASS, and KATANA-500 BASS HEAD do 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, KATANA-210 BASS. or KATANA-500 BASS HEAD.

1. **Power down the unit you're using (KATANA-110 BASS, KATANA-210 BASS, or KATANA-500 BASS HEAD) and unplug the AC cord from the AC outlet.**

2. **Remove the cover and screw from the Bluetooth ADAPTOR connector on the rear panel.**
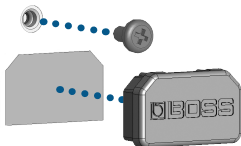
3. **Attach the BT-DUAL and fasten the screw that you removed in step 2 in place.**
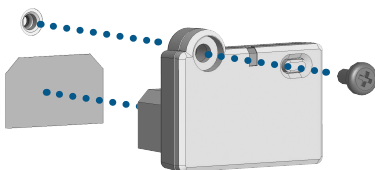
| NOTE |

- 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, KATANA-210 BASS, or KATANA-500 BASS HEAD, 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, KATANA-210 BASS, or KATANA-500 BASS HEAD).**

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.**
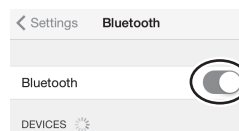
MEMO

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.

‹ Settings	**Bluetooth**
Bluetooth	
DEVICES	

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.
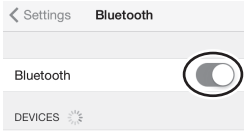- To disconnect, press the pairing button on the BT-DUAL to make the Bluetooth indicator go dark, or turn off the mobile device's Bluetooth function.

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, KATANA-210 BASS, or KATANA-500 BASS HEAD.

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

KATANA-110 BASS/KATANA-210 BASS

USB
-Secondary (Windows)
-Input/Output (Mac)

USB
-Primary (Windows)
-Input 1,2/Mono Out (1,2) (Mac)

Input

COMP — FX1 — DRIVE — PREAMP — DRY — BLEND — FOOT VOLUME — SEND/RETURN — FX2

EXP PEDAL   SEND   RETURN   POWER AMP IN   AUX IN

BLUETOOTH ADAPTOR SLOT BT-DUAL

OPTION SOCKET

MASTER VOLUME

PHONES /REC OUT

MUTE

TYPE SWITCH
·VINTAGE
·FLAT
·MODERN

POWER CONTROL

TWEETER ON/OFF

TWEETER POWER AMP

POWER AMP

TWEETER

WOOFER

MUTE

SPEAKER OUT (KTN210B ONLY)

SELECT SWITCH (DIRECT, PRE, POST)

BALANCED OUT   No signal from the USB will be output from the speaker.

KATANA-500 BASS HEAD

USB
-Secondary(Windows)
-Input/Output 3,4(Mac)

USB
-Primary(Windows)
-Input 1,2/Mono Out(1,2)(Mac)

*   No signal from the USB will be output from the speaker.

INPUT

COMP — DRIVE — PREAMP — DRY — BLEND — FOOT VOLUME — FX

EXP PEDAL

BLUE TOOTH ADAPTOR SLOT BT-DUAL

OPTION SOCKET

MASTER VOLUME

PHONES /REC OUT

MUTE

POWER AMP

Current SENSING

SPEAKER OUT

SELECT SWITCH (DIRECT, PRE, POST)

LINE OUT

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

Main Specifications

	KATANA-210 BASS	KATANA-110 BASS	KATANA-500 BASS HEAD
Output Power	300 W peak	110 W peak	500 W (4 Ω) Peak 250 W (8 Ω) Peak
Nominal Input Level	INPUT: -10 dBu (1 MΩ) POWER AMP IN: -10 dBu (20 kΩ) AUX IN: -10 dBu (20 kΩ) RETURN IN: -10 dBu (100 kΩ)	INPUT: -10 dBu (1 MΩ) POWER AMP IN: -10 dBu (20 kΩ) AUX IN: -10 dBu (20 kΩ) RETURN IN: -10 dBu (100 kΩ)	INPUT: -10 dBu (1 MΩ) RETURN IN: -10 dBu (100 kΩ)
Speaker	WOOFER: 25 cm x 2 TWEETER: x 1	WOOFER: 25 cm (10 inches) x 1 TWEETER: x 1	-
Controls	POWER switch MASTER VOLUME knob POWER CONTROL switch (STANDBY, 1 W, MAX) TWEETER button [INPUT EFX] COMP button DRIVE button COMP knob DRIVE knob [AMPLIFIER] PAD button SHAPE button TYPE knob (VINTAGE, FLAT, MODERN) GAIN knob VOLUME knob [BLEND] BLEND button DRY LEVEL knob [EQUALIZER] LOW MID button HIGH MID button BASS knob LOW MID knob HIGH MID knob TREBLE knob [EFFECTS] FX1 button FX2 button TAP button FX1 knob FX2 knob [TONE SETTING] CH1 button CH2 button CH3 button PANEL button [BALANCED OUT] GND LIFT switch (OFF, ON) SELECT (POST, PRE, DIRECT)	POWER switch MASTER VOLUME knob POWER CONTROL switch (STANDBY, 1 W, MAX) TWEETER button [INPUT EFX] COMP button DRIVE button COMP knob DRIVE knob [AMPLIFIER] PAD button SHAPE button TYPE knob (VINTAGE, FLAT, MODERN) GAIN knob VOLUME knob [BLEND] BLEND button DRY LEVEL knob [EQUALIZER] LOW MID button HIGH MID button BASS knob LOW MID knob HIGH MID knob TREBLE knob [EFFECTS] FX1 button FX2 button TAP button FX1 knob FX2 knob [TONE SETTING] CH1 button CH2 button CH3 button PANEL button [BALANCED OUT] GND LIFT switch (OFF, ON) SELECT switch (POST, PRE, DIRECT)	MEMORY button MUTE button BOTTOM knob HI CUT button MASTER VOLUME knob POWER switch [AMPLIFIER] PAD button SHAPE button AMP FEEL Switch (VINTAGE, FLAT, MODERN) GAIN knob [INPUT EFX] COMP button DRIVE button COMP knob DRIVE knob [EFFECTS] BLEND button FX button TAP button BLEND knob FX knob [EQUALIZER] LOW MID button HIGH MID button BASS knob LOW MID knob HIGH MID knob TREBLE knob [LINE OUT] LINE OUT button LINE OUT knob (CUSTOM, REC, BLEND, LIVE) GND LIFT switch (OFF, ON) SELECT (POST, PRE, DIRECT) [CAB RESONANCE] CALIBRATION button

	KATANA-210 BASS	KATANA-110 BASS	KATANA-500 BASS HEAD
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	PAD SHAPE MEMORY MUTE COMP BLEND FX TAP LOW MID HIGH MID LINE OUT CALIBRATION HI CUT POWER
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	INPUT jack: 1/4-inch phone type LINE OUT jack: XLR type SPEAKER OUT (MIN 4 ohms) connector: speakON type PHONES/REC OUT jack: Stereo 1/4-inch phone type EXP PEDAL jack: 1/4-inch TRS phone type GA-FC/CTL CH1/CH2 jack: 1/4-inch TRS phone type USB port: USB B type Bluetooth ADAPTOR SLOT: Bluetooth® Audio MIDI Dual Adaptor AC IN jack
Power Consumption	117 W	77 W	500 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	298 (W) x 212 (D) x 96 (H) m 11-3/4 (W) x 8-3/8 (D) x 3-13/16 (H) inches
Weight	21.8 kg 48 lbs 1 oz	16.8 kg 37 lbs 0.6 oz	2.8 kg 6 lbs 3 oz
Accessories	Owner's Manual Power cord GA-FC sticker	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	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

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands