

D-BASS

210/115/115X

Owner's Manual

Thank you, and congratulations on your choice of the Roland D-BASS 210/115/115X Bass Amplifier.

Before using this unit, carefully read the sections entitled

- **IMPORTANT SAFETY INSTRUCTIONS** (page 2)
- **USING THE UNIT SAFELY** (page 4–6)
- **IMPORTANT NOTES** (page 7)

Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

* *This manual applies to the D-BASS 210/115/115X.*

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WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

  
ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

For the U.K.

WARNING: THIS APPARATUS MUST BE EARTHED

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
GREEN-AND-YELLOW: EARTH, BLUE: NEUTRAL, BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.



For EU Countries

This product complies with the requirements of European Directives EMC 89/336/EEC and LVD 73/23/EEC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

USING THE UNIT SAFELY

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

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 

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

- Do not open or perform any internal modifications on the unit. 

- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" sheet. 

- Never use or store the unit in places that are:
 - 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 
 - Humid; or are
 - Exposed to rain; or are
 - Dusty; or are
 - Subject to high levels of vibration.

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 

WARNING

- The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the rear side of unit. 

- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards! 

- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist. 

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit. 


⚠ WARNING

- Immediately turn the power off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the “Information” page when:
 - The power-supply cord, or the plug has been damaged; or
 - If smoke or unusual odor occurs
 - 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.



- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.



- Protect the unit from strong impact. (Do not drop it!)



- Do not force the unit’s power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord’s outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.



- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the “Information” sheet.



- Do not put anything that contains water (e.g., flower vases) on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

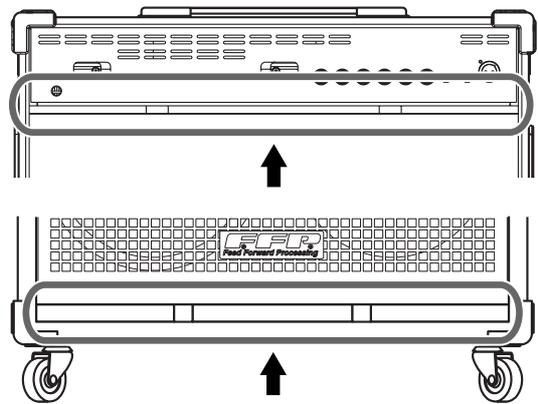


⚠ WARNING

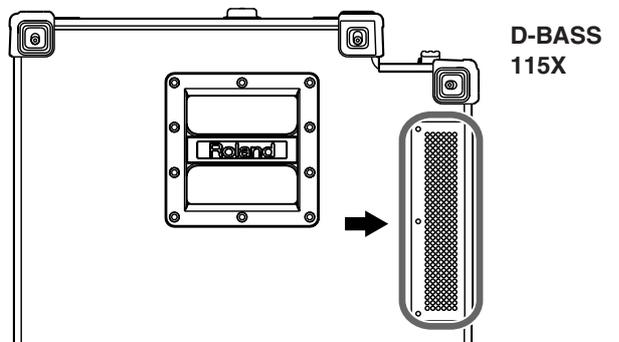
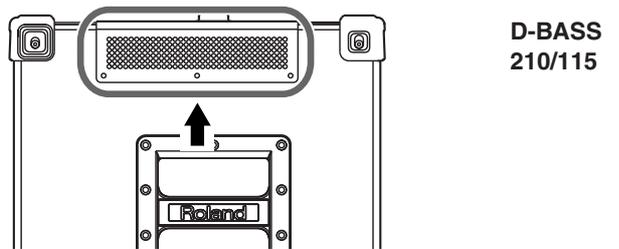
- When using the D-BASS 210 in combination with the D-BASS 115X, and when using the D-BASS 115 in combination with the D-BASS 115X, they can be used in a stacked configuration. However, when units are stacked, due caution must be observed to prevent any unit from falling. For details, see page 17 .

- Be careful when handling caster wheels. The unit may fall down if not properly handled. For details, read page 20 .

- Do not insert hands, fingers, etc, into the openings in the unit. In particular, if the unit is to be used in households with small children, always provide adult supervision to ensure that children keep their hands and feet out of these openings.



- Do not allow the cooling vents on either side of the unit to become blocked. Obstructing the vents may result in damage or other problems.



⚠ WARNING

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 device may interfere with radio and television reception. Do not use this device 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.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- 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.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.
- During operation, this device must be placed at a distance of no less than 50 cm from any walls.

⚠ WARNING

- The unit should be located so that its location or position does not interfere with its proper ventilation. 
- Always grasp only the plug on the power-supply cord when plugging into, or unplugging from an outlet. 
- At regular intervals, you should unplug the power plug and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire. 
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children. 
- If the unit could become a hazard if it moves, all caster wheels should be removed once the unit has been placed at the place of installation, or has been loaded onto a vehicle. 
- Never climb on top of, nor place heavy objects on the unit. 
- Never handle the power cord or its plug with wet hands when plugging into, or unplugging from, an outlet. 
- Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices. 
- Before cleaning the unit, turn off the power and unplug the power cord from the outlet. 
- Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet. 
- Do not remove the speaker grille and speaker by any means. Speaker not user replaceable. Shock hazardous voltages and currents are present inside the enclosure. 

IMPORTANT NOTES

In addition to the items listed under “IMPORTANT SAFETY INSTRUCTIONS” and “USING THE UNIT SAFELY” on pages 2 and 4–6, please read and observe the following:

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 (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. 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.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.
- Although the LEDs are switched off when the POWER switch is switched off, this does not mean that the unit has been completely disconnected from the source of power. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power 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.

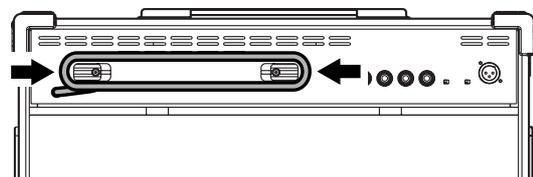
Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

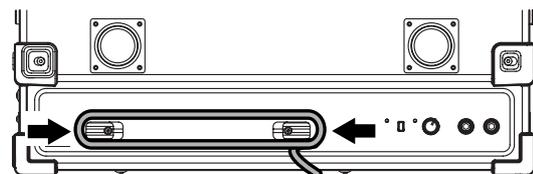
Additional Precautions

- 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 connecting / 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 your neighbors, try to keep the unit’s volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Use a cable from Roland to make the connection. If using some other make of connection cable, please note the following precautions.
 - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.
- To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.
- Wrap the power cord around the cord hook when transporting or storing the unit.

D-BASS 210/115



D-BASS 115X



- To prevent injury caused by the unit overturning or being dropped, use two or more people to carry the unit whenever possible.

Main Features

The **D-BASS 210** and **115** are powerful yet lightweight professional bass amps, which utilize Roland's FFP technology incorporating new Active Speaker Control. The **D-BASS 115X** is a powered extension speaker.

Stacking the D-BASS 210/115 and the D-BASS 115X lets you create an even more powerful system.

D-BASS 210/115/115X Shared Features

■ High-Power, Multi-Amp Configuration.....

The D-BASS features a multi-amp arrangement with each speaker unit driven by its own dedicated power amp. Combined with signal processing optimized for each unit's particular frequency response, this drives each of the speakers in the ideal manner.

	D-BASS 210	D-BASS 115	D-BASS 115X
Speaker Configuration	25 cm (10 inches) x 2 + Tweeter	38 cm (15 inches) + Tweeter	38 cm (15 inches) + Tweeter
Power Amp Configuration	160 W x 2 + 80 W (Tweeter)	250 W + 80 W (Tweeter)	250 W + 80 W (Tweeter)
Total Output Power	400 W	330 W	330 W

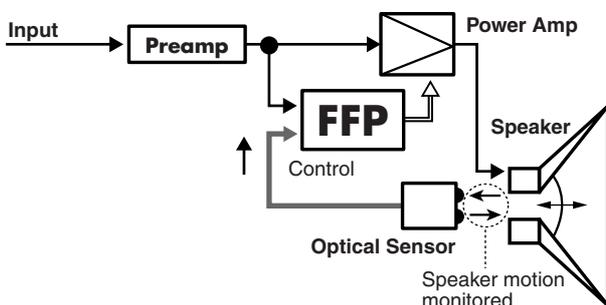
■ Thorough Weight Reduction

- Newly developed custom speakers make use of new materials, succeeding in cutting the weight of previous models by half for the 10" speaker and one-third for the 15" speaker (as compared with previous Roland products). Moreover, stronger magnetic force ensures quick response with effective damping in the lower frequencies.
- Use of D-Class power amps and switching power supplies for high energy conversion efficiency reduces generation of unnecessary heat. This permits use of smaller, lighter power transformers and heat sinks.
- New cabinet designs make use of new materials and reduce unwanted vibration, resulting in cabinets that are lighter overall, yet still ensure ample ruggedness.

■ Advanced FFP Technology Incorporating Active Speaker Control.....

- These units employ Roland's proprietary FFP amp technology for dynamic, powerful sound that exceeds specs, while D-BASS's incorporation of Active Speaker Control technology realizes even higher quality sound.
- Active Speaker Control uses an optical sensor to monitor the movement of the speaker and correct discrepancies between the original sound and the speaker motion. This results in faithful reproduction of the Instrument's original sound characteristics and the nuances produced in performance.

Conceptual Diagram of Active Speaker Control



MEMO

FFP (Feed Forward Processing) is system control technology that optimizes the performance of the amp, speakers, and cabinet characteristics according to the signals being input, based on the results of analyses of the operation and behavior of each section of existing amp systems.

Active Speaker Control

● Conventional Bass Amps

With conventional bass amps, input signals are amplified by the power amp, and then the sound is output by means of the vibration of the speaker, but discrepancies occur between the signals output from the power amp and the actual vibration of the speaker. Observations of speaker motion when bass sounds are played reveal delayed response in the attack and release and superfluous vibration. Such discrepancies stem from the basic mechanical properties of the cone speaker construction, and are especially noticeable in the low-frequency range. These discrepancies result in a loss of clarity and definition in the bass sound.

● How Active Speaker Control Works

With Active Speaker Control, the speaker movement is monitored in real time with an optical sensor to detect any deviation from the input signal. Any such discrepancies are corrected by a digital signal processor, thus controlling speaker motion to reproduce the input signal as closely as possible.

● Effect of Active Speaker Control

Active Speaker Control affects the actual bass sound in the following ways.

- Speaker amplitude linearity is improved, producing a tight, powerful sound with better contour. In particular, this technology provides faithful reproduction of the low end for basses with Low-B string.
- This allows the range of frequencies reproduced to be extended further in the low end, expanding the frequency range of the bass sound.
- The speakers are driven in a way that creates a sound truer to the input signal, providing with greater responsiveness.

D-BASS 210/115

■ Also Features Piezo Input Jack for Acoustic Basses

- The D-BASS is equipped with a Ultra-high-impedance piezo input jack, allowing piezo pickups to be directly connected to the amp. This makes the amp optimal for acoustic basses as well.

■ COSM Preamps for a Wide Range of Sound Possibilities

- The D-BASS features three COSM preamp types, including not just VINTAGE and MODERN for standard bass sounds, but also a SUPER FLAT model, which faithfully recreates the characteristics of the bass instrument. Use these with the “Shape” function, which offers a broader range of tonal variation, to create sounds suited to any style of music.
- The front panel includes three-band EQ with variable midrange frequency, a dedicated Tweeter Control for precise adjustments in the high end, and other controls that provide you with complete freedom to create a wide variety of bass sounds.
- In addition to standard solid-state compression, these amps feature a Tube Logic mode, which provides the fat, natural-sounding compression characteristic of tube amps. This lets you achieve the sort of compression that you get when you slightly overdrive a vintage bass amp, accompanied with fat harmonics.

■ Mute Function

- The D-BASS is equipped with a Mute switch, making it simple to mute the speakers and all outputs other than the Tuner Out. This lets you plug and unplug the bass noiselessly and tune silently with a tuner connected to the Tuner Out jack.
- You can also turn this switch on and off with your foot by connecting a foot switch (BOSS FS-5L: optional).

■ Full Complement of Input and Output Connectors

- The amp is equipped with a full set of jacks and connectors, including switchable XLR connectors, which can be used as Line Outs or Direct Outs, Tuner Out, Effect Loop, Line Out, Sub Out (expansion jack for connecting to the D-BASS 115X), Mute foot switch jack, and more. The Effect Loop jacks accommodate the connection of both series and parallel effects.

MEMO

COSM (Composite Object Sound Modeling) is Roland’s innovative and powerful sound modeling technology. COSM analyzes the many factors that make up the original sound, such as the electrical and physical characteristics of the original, and then produces a digital model that can reproduce the same sound.

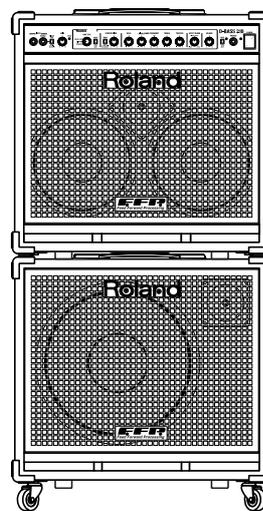
D-BASS 115X

■ The Optimal Powered Extension Speaker for the D-BASS 210/115

- Connect the D-BASS 115X to D-BASS 210/115 to create an even more powerful system.
- The speaker is designed to allow a D-BASS 210/115 to be set (stacked) on top of it.
- The D-BASS 115X can also be used effectively as an expansion speaker with other small bass amps.

(Example)

D-BASS 210 + 115X



■ FULL RANGE and SUB WOOFER Modes

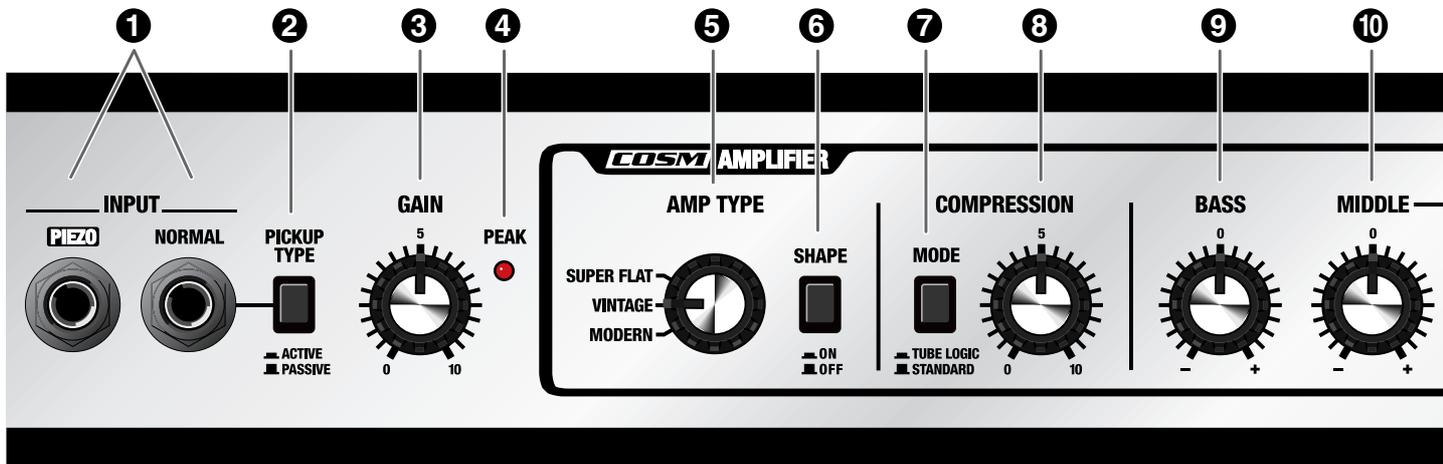
- The speaker can be switched to and from Full Range mode, which enables the tweeter control, and Sub Woofer mode, which allows you to set the frequency. These can be expanded flexibly to fit different stage setups and match the playing style.

■ THRU OUT Jack

- The D-BASS 115X features a THRU OUT jack, which splits the input signal, allowing you to use multiple D-BASS 115Xs simultaneously. You can also use this jack to combine the D-BASS 115X with other amps and subwoofers for an even more powerful system compatible with venues of any size.

Panel descriptions

D-BASS 210/115 Front Panel



1. INPUT Jack

Connect your bass guitar here. This section features two jacks, PIEZO and NORMAL.

PIEZO jack:

Connect acoustic or electric basses equipped with piezo pickups to this jack. The ultra-high impedance circuitry provides a clear sound with minimal degradation in tone.

NORMAL jack:

Connect electric basses equipped with magnetic pickups to this jack. Connect to this jack when using preamped piezo pickups or when you have an effects processor connected between the bass and the amp.

TIP

You can use the PIEZO jack and the NORMAL jack simultaneously.

2. PICKUP TYPE switch

This switches the input circuitry of the NORMAL jack to match either an active or a passive pickup. With the button pressed in, the input circuitry is switched to match an active pickup, and the input sensitivity is reduced (-10 dB).

3. GAIN Knob

This adjusts the input level.

4. PEAK Indicator

This lights up when the signals are distorted in the input section. If this lights frequently, it indicates that the input signal is in excess of the optimal level.

Turn the GAIN knob (3) to the left to reduce the gain. When set to the proper level, the indicator will light up briefly during the attack portion of a note when the bass is played with maximum force.

* Inputting in excess of the optimal level can cause unintended distortion and may prevent the COMPRESSION effect from functioning properly. Setting the level too low results in excess residual background noise.

* Be sure to check the input level each time you connect a different bass or have an effects device connected between the bass and the amp.

COSM AMPLIFIER

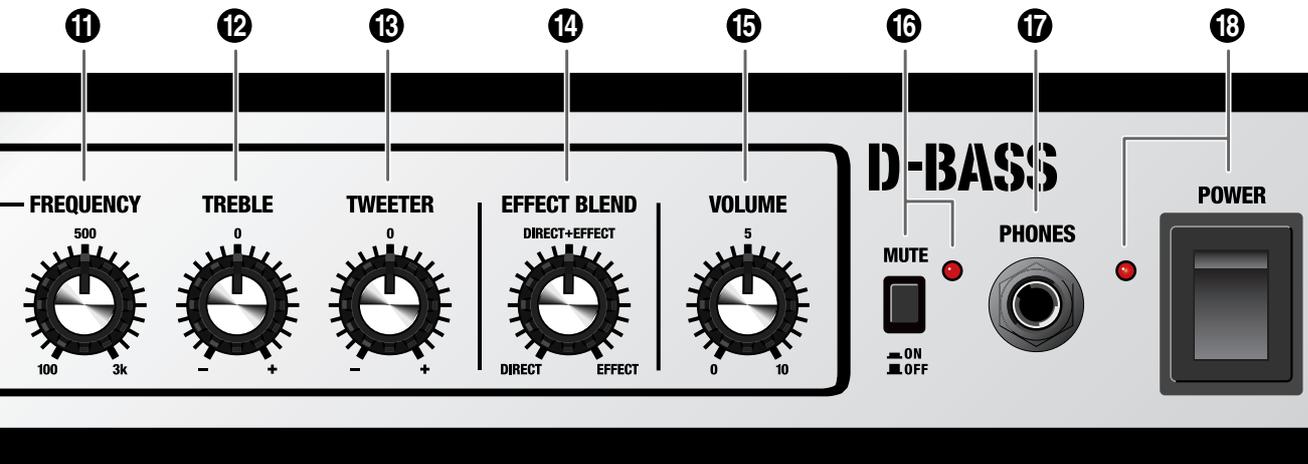
5. AMP TYPE Switch

You can select from the three COSM amp types.

6. SHAPE Switch

This effect alters the COSM amps' tonal qualities. The particular effect obtained varies according to the amp selected with the AMP TYPE switch (5).

SUPER FLAT	<p>This amp type reflects the true tone of the connected bass, presenting the instrument's own sound to the fullest. This amp reproduces the full range of nuances produced by various performance techniques, and faithfully recreates every detail of the expressive elements of a performance. This is the perfect model for acoustic basses.</p> <p>SHAPE ➤</p> <p>Provides a dynamic tone with an even wider range.</p>
VINTAGE	<p>This amp type models the standard bass amp sound, widely used ever since the electric bass first appeared. It features a warm low end and contoured midrange. The minimal fret noise makes it perfect for finger picking.</p> <p>SHAPE ➤</p> <p>Provides a tone that boosts the fatness of the midrange.</p>



MODERN

Models the wide-range sound of tweeter-equipped bass amps in use since the '80s. This amp type produces a dynamic tone with a good balance of low-end presence and clear, open highs. Perfect for slap bass.

SHAPE

Creates an aggressive tone in which the presence of the lower range and the transparency of the upper range are greatly augmented.

7. MODE Switch

Used in combination with the COMPRESSION knob (8), this switches the compression effect type.

STANDARD:

This produces a compression effect like that used in recording studios.

TUBE LOGIC:

This provides the natural, fat compressed sound typical of tube amps. This characteristic sense of harmonic-induced compression is like that produced by slightly overdriving a vintage tube bass amp.

8. COMPRESSION Knob

This is an effect that compresses overly high signals while boosting lower-level input. Turn the knob to the right increases the compression effect. Turn the knob to the very left to bypass the compression.

9. BASS Knob

Adjusts the tone quality of the lower range.

10. MIDDLE Knob

Adjusts the tone quality of the middle range.

11. FREQUENCY Knob

Adjusts the frequency of the middle range.

12. TREBLE Knob

Adjusts the tone quality of the upper range.

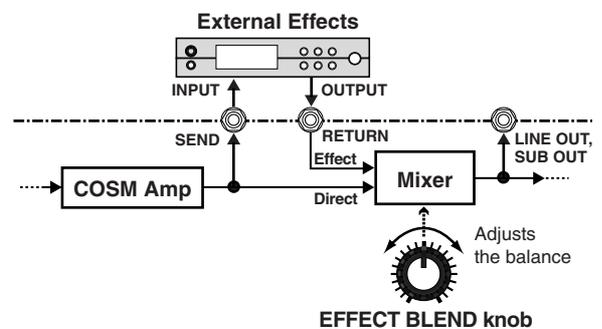
13. TWEETER Knob

Adjusts the tweeter volume. This knob affects the tone quality of the range higher than that of the TREBLE knob. No sound is output from the tweeter when this is turned to the very left.

* The TWEETER knob affects not only the sound of the D-BASS speakers, it also affects the PHONES, LINE OUT, BALANCED OUT (when the SELECT switch is set to LINE), and SUB OUT jacks (p. 12–p. 14).

14. EFFECT BLEND Knob

This adjusts the balance of the mix between the effect sound from the external effect connected to the EFFECT jack and the direct sound.



The knob settings can be adjusted to accommodate for both series and parallel connections.

Panel descriptions

Knob Settings	Connection Status	Mix Balance
	Effect Bypass	Only the direct sound is output. No effect is applied.
	Parallel Connection	Adjust the knob as you listen to check the balance of the mix between the direct and effect sounds. With the knob at center position, 100% of the direct sound and 100% of the effect sound are output. Turn the knob to the left to reduce the effect sound; turn to the right to reduce the direct sound.
	Series Connection	Only the effect sound is output.

* Regardless of the knob position, the effects are bypassed when nothing is connected to the EFFECT RETURN jack.

* With a series connection, no sound is output from the D-BASS when the volume of the external effects processor is turned down completely or the effects processor's power is turned off.

MEMO

• Series-Connected Effects

Effects that change the source sound itself

Ex.) Equalizer, Limiter, Distortion, Wah, Chorus, Flanger

• Parallel-Connected Effects

Effects sounds added to the dry sound

Ex.) Delay, Reverb

When using parallel-connected effects, set the external effects processor so that the source sound (the dry sound) is cut, with only the effect sound being output. This prevents the direct sound from passing through the external effects processor, serving to minimize any tonal variation. This is additionally convenient as it allows you to adjust the depth of the effect from the D-BASS's front panel, which is closer at hand.

* Certain devices may not allow the source sound (dry sound) to be cut. In such cases, use a series connection.

15. VOLUME Knob

This adjusts the volume level of the D-BASS speakers or headphones. This also works on the volume for the SUB OUT jack (p. 13).

* The VOLUME knob does not affect the LINE OUT, BALANCED OUT, and TUNER OUT.

16. MUTE Switch

This switches the Mute function on and off.

When muting is turned on, the indicator flashes, and the output from the speakers, the BALANCED OUT, LINE OUT, SUB OUT, and PHONES is muted.

With the mute function activated, you do not need to turn down the VOLUME knob to mute the noise when plugging into, or unplugging from your bass guitar.

* Sounds from the TUNER OUT jack is not muted.

TIP

By connecting a tuner (optional) to TUNER OUT and then MUTE switch is turned on, you can tune your instrument without the sound being output from the speakers.

MEMO

You can use a foot switch (the optional BOSS FS-5L) to switch muting on and off. (p. 13)

17. PHONES Jack

Headphones are connected here. No sounds are output from the speakers and SUB OUT jack (p. 13) when headphones are connected.

18. POWER Switch

Turns the power on and off. The indicator lights up when the power is on.

* If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. Refer to "Power Supply" (p. 7).

* Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

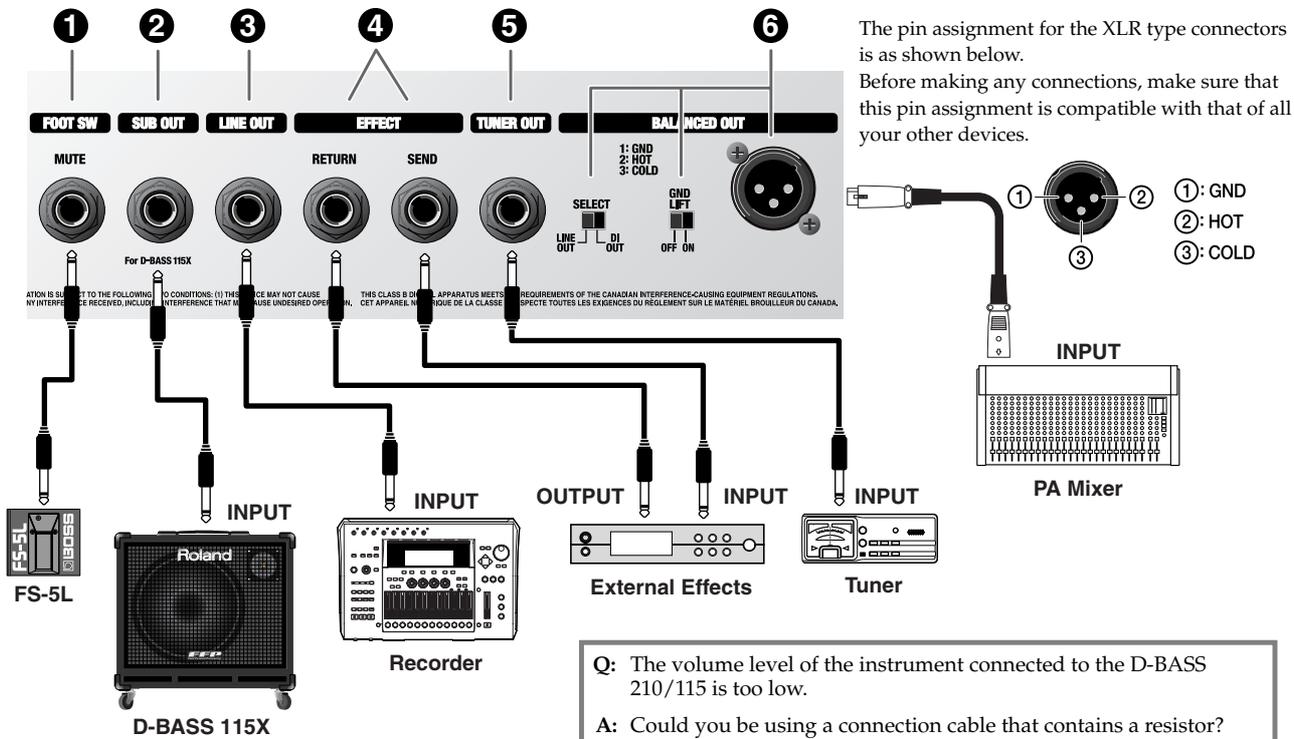
1. Switch on the equipment connected to the D-BASS 210/115's EFFECT SEND/RETURN jacks.
2. Turn on the D-BASS 210/115.
3. Switch on any equipment connected to the D-BASS 210/115's OUTPUT jacks.

Turn off the devices in the reverse order to which they were switched on.

* This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

* Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.

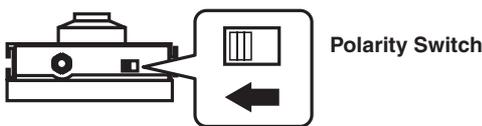
D-BASS 210/115 Rear Panel



1. FOOT SW Jack

You can connect a latch-type switch (optional BOSS FS-5L) and use the switch to turn the Mute function on and off.

* Set the foot switch Polarity setting as shown below.



When you have a foot switch connected, the mute function can be switched on with either the MUTE switch (p. 12) on the front panel or the foot switch. Switching either one to ON turns on the mute function. To turn muting off, set both the MUTE switch and the foot switch to OFF.

2. SUB OUT Jack

Use this to connect the D-BASS 210/115 with the 115X. Connect this jack to the 115X INPUT jack.

* The volume level for this output is adjusted with the VOLUME knob. Thus, you can also control the volume of the 115X with the D-BASS 210/115 VOLUME knob. In this case, the volume balance between the D-BASS 210/115 and the 115X does not change.

3. LINE OUT Jack

You can connect a mixer, recorder, or other such device here.

The output level is +4 dBu.

* The VOLUME knob has no effect on the signal from LINE OUT. Adjust the volume on the connected device.

4. EFFECT Jacks

Use this to connect external effects processors and other such devices.

The input/output level is +4 dBu.

SEND Jack:

Connect this jack to the external effects processor's input jack.

RETURN jack:

Connect this jack to the external effects processor's output jack.

* When connecting external effects processors, adjust the EFFECT BLEND knob (p. 11) so it's at an appropriate setting. Turning the knob completely to the left puts the D-BASS into effect bypass mode, so no effect sound is output.

5. TUNER OUT Jack

Connect tuners to this jack.

* *Other than the PICKUP TYPE switch, none of the D-BASS 210/115's switches/knobs affect the TUNER OUT output.*

6. BALANCED OUT Jack

Use this to connect to external PAs and other such systems.

You can switch the sound that is output to suit the particular application.

This professional-grade feature includes a tough, reliable XLR-type connector and ground lift switch.

The output level is +4 dBu.

SELECT Switch

DI OUT	Signals input to the INPUT jack are output as is. Other than the PICKUP TYPE switch and GAIN knob, none of the D-BASS 210/115's switches/knobs affect the BALANCED OUT output.
LINE OUT	Outputs the same signal as that from LINE OUT. The sound is changed by the settings of the D-BASS 210/115's switches/knobs, except for the VOLUME knob.

* *The VOLUME knob has no effect on the signal from BALANCED OUT. Control the volume with the PA system.*

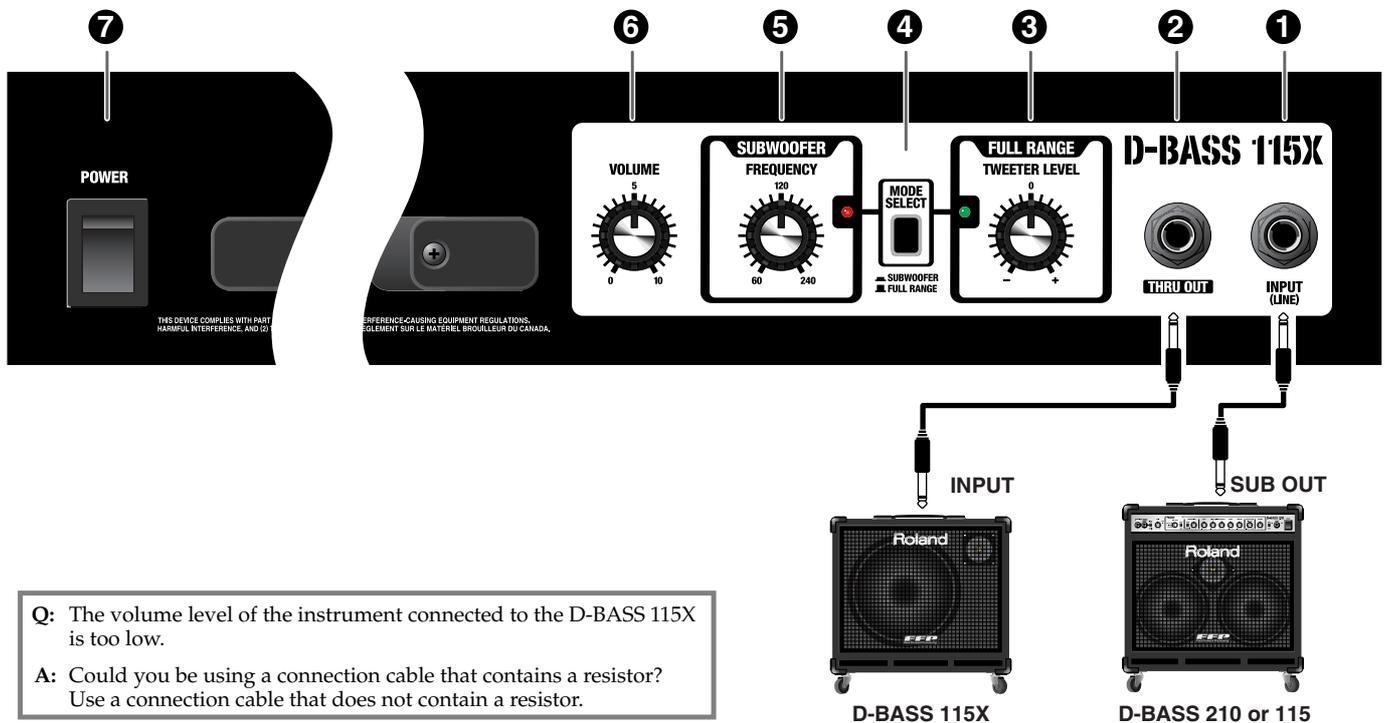
GND LIFT Switch

ON	Pin 1 is disconnected from the D-BASS 210/115's ground.
OFF	Pin 1 connects to the D-BASS 210/115's ground.

Loop hum noise may occur when other external devices are connected to the D-BASS 210/115. 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.

D-BASS 115X Control Panel



1. INPUT Jack

Connect a D-BASS 210/115 or other bass amp or device here.

Connect to the SUB OUT jack when connecting a 210/115.

The SUB OUT volume is linked to the VOLUME knob, allowing you to control the volume of the 115X with the 210/115 VOLUME knob. In this case, the volume balance between the D-BASS 210/115 and the 115X remains unchanged. When connecting another type of bass amp, use the LINE OUT jack.

* This jack is designed for connections with line-level output devices. You cannot connect a bass directly to this jack.

2. THRU OUT Jack

Signals input via the INPUT jack are output without any change to the signal.

Use this jack when connecting additional D-BASS 115Xs or other powered speakers. When connecting D-BASS 115Xs, connect the THRU OUT of the first D-BASS 115X to the INPUT jack of the second.

You can connect a third 115X to the second one, a fourth to the third one, and so on, connecting as many units as needed, thus allowing you to set up a high-power system matched to venues of any size.

* No signal is output from the THRU OUT jack when the power is switched off.

* The 115X's switch and knobs do not affect THRU OUT.

3. MODE Switch

This switches the unit between Full Range mode and Sub Woofer mode. The color of the indicator tells you which mode is selected (Full Range: green; Sub Woofer: red). Select the mode to suit the bass you are connecting and your playing conditions.

FULL RANGE:

All frequency ranges from low to high are output by the unit's speakers

Using this together with the D-BASS 210/115 produces a powerful, punchy sound.

SUB WOOFER:

The 115X's speakers output sounds only in the bass range.

Adding an additional layer of low-frequency sound to the output from the D-BASS 210/115 allows you to boost the extreme low end even more.

4. TWEETER Knob

This adjusts the tweeter volume level when the 115X is used in Full Range mode.

No sound is output from the tweeter when this is turned to the very left.

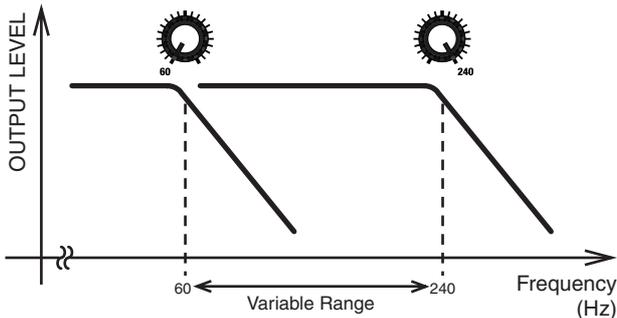
* This is disabled in Sub Woofer mode.

5. FREQUENCY Knob

In the SUB WOOFER mode, this adjusts the frequency range played back from the unit's speaker. Adjust this according to the character of the connected bass guitar, as well as the performance environment.

* This is disabled in Full Range mode.

The relationship between the FREQUENCY knob indicator and the active frequency range is shown below.



6. VOLUME Knob

This adjusts the total volume level of the unit's internal speaker.

When connecting the D-BASS 210/115 SUB OUT jack to the 115X's INPUT jack, adjust the volume balance between the 115X and the D-BASS 210/115 speaker output.

* Does not affect THRU OUT.

7. POWER Switch

This switches the power on and off.

- * If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. Refer to "Power Supply" (p. 7).
- * Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
 1. Turn on the device connected to the D-BASS 115X's input jack.
 2. Turn on the D-BASS 115X.
 3. Switch on any equipment connected to the D-BASS 115X's SUB OUT jack.

Turn off the devices in the reverse order to which they were switched on.

- * This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.
- * Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.

When Using D-BASS 210/115 & 115X in Stack Configuration

Stacking

The D-BASS 210/115 can be used in a stacked configuration with the D-BASS 115X.

When stacking, be sure to follow the instructions below.

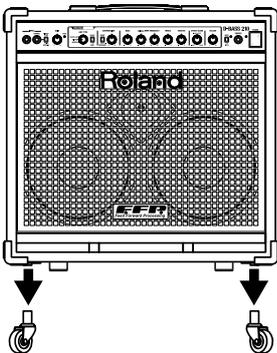


When stacking, be sure to follow the instructions below.

- Be sure to set up and use these units in stable, level locations.
- To prevent injury caused by the unit overturning or being dropped, make sure that at least two persons work together when lifting and carrying the units.
- Be careful not to get your fingers pinched.

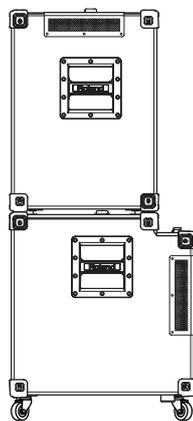
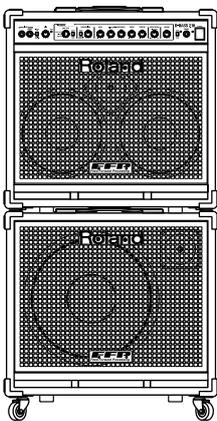
1. Remove all caster wheels from the cabinet that goes on top.

D-BASS 210 or 115

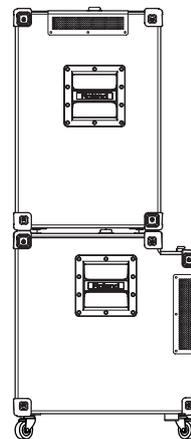
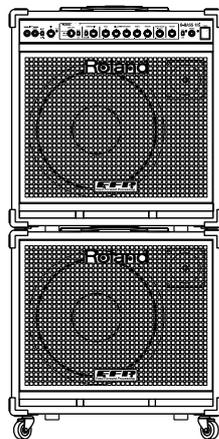


2. Always stack so that the D-BASS 210 or D-BASS115 is on top; the D-BASS 115X must always be on the bottom.

D-BASS 210 + 115X



D-BASS 115 + 115X

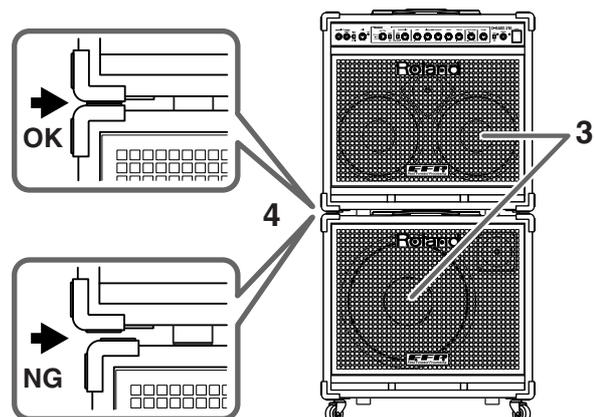


3. Stack so that the speaker side of both the top cabinet and the bottom cabinet face the same direction.

4. Adjust the horizontal position of the top cabinet so that the corner protectors are properly engaged and locked at all four corners between the top and bottom cabinets.

Do not use the amplifiers without proper corner protector engagement. Otherwise, you risk having the top cabinet tumble down.

Always make sure that the corners are properly engaged before you use the amplifiers.



Adjusting the Tone

The following steps are effective in adjusting the tone when the D-BASS 210/115 and 115X are used together (stacked).

■ Setup

- Before connecting the 115X, make tone adjustments roughly on the 210/115 alone first.
- After connecting the 115X, start out with all of the unit's knobs set to the center position.

■ Selecting the Mode

- Select the desired 115X mode.

If it is a greater sense of volume that you want, select FULL RANGE.

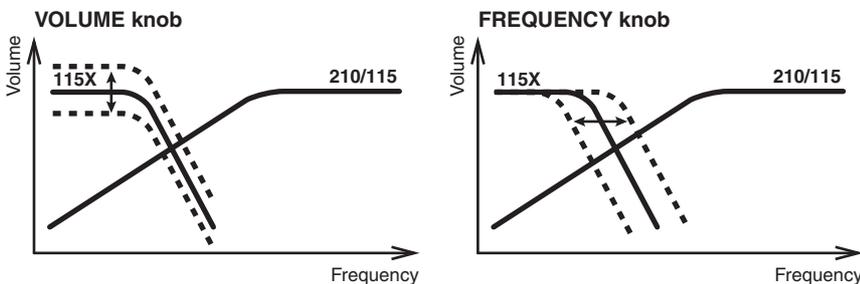
If you are aiming for a tight, low sound, select SUB WOOFER.

■ Adjusting in FULL RANGE Mode

- You can adjust the volume balance of the 210/115 and the 115X using the 115X's VOLUME knob.
- As you listen to the overall combined tone from the 210/115 and the 115X, adjust the TWEETER LEVEL knob. Use a lower setting if there is excessive reverberation in the high end. If you have trouble eliminating the muffled sound, use a higher setting.

■ Adjusting in SUB WOOFER Mode

- As you listen to the overall combined tone from the 210/115 and the 115X, adjust the tone with the VOLUME and FREQUENCY knobs. Adjust the volume of the lower range with the VOLUME knob, and adjust the tone of the lower range with the FREQUENCY knob.

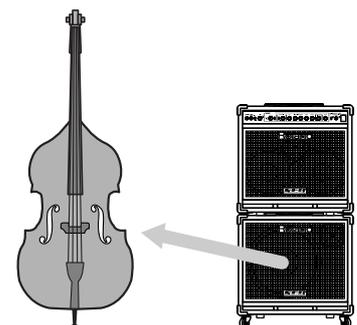


The aim of these adjustments is to achieve a smooth, continuous link in the low frequencies between the 210/115 and the 115X.

- * Since the FREQUENCY knob also affects the overall low-frequency volume, we recommend that you readjust the VOLUME knob each time you make an adjustment with the FREQUENCY knob. In general, you can make adjustment easier by turning up the VOLUME knob slightly when you turn down the FREQUENCY knob setting, and turning down the VOLUME knob slightly when you turn up the FREQUENCY knob setting.

TIP

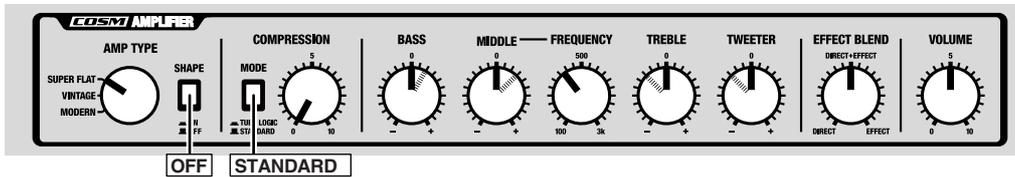
Setups in which an acoustic bass is played through a bass amp can tend to cause feedback in the low-mid frequencies when the sound output from the speaker enters the f-hole in the bass body, resulting in a boomy reverberant sound. If this occurs when using a D-BASS stacked configuration, you can suppress low-mid reverberation by lowering the FREQUENCY setting in SUB WOOFER mode, thus making it difficult for feedback to occur.



Sample Settings D-BASS 210/115

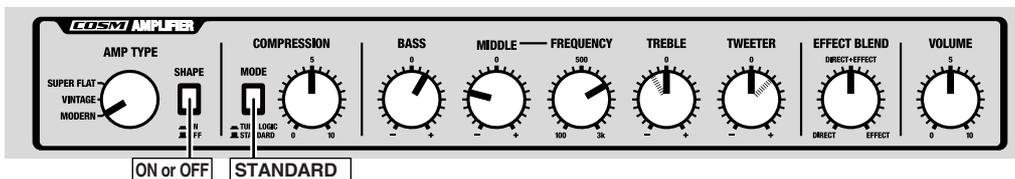
NOTE Set the VOLUME knob at appropriate volume level.

WOODY JAZZ



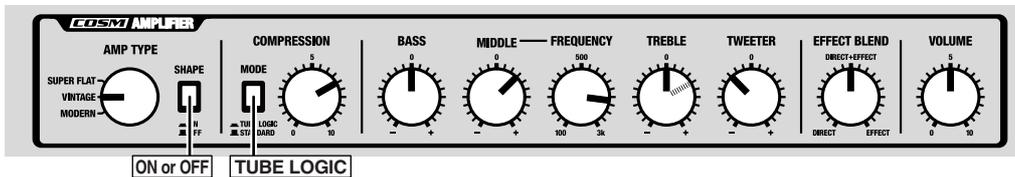
A warm bass sound perfectly suited for jazz. This provides a natural sound even when an acoustic bass is connected. To fatten the core sound, raise the BASS and MID levels. You can correct any typical high-frequency problems with piezo pickups by slightly turning down the TREBLE or TWEETER setting.

SLAP BASS



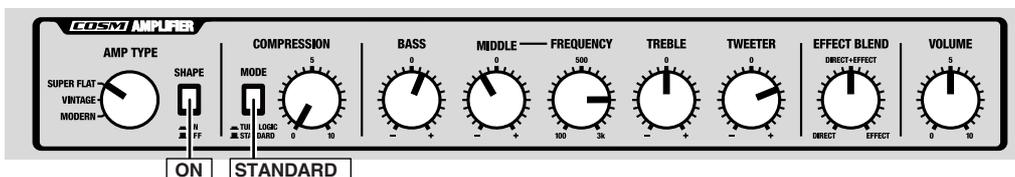
This sound, with a cut in the midrange frequencies, is great for slap bass performance. Setting the SHAPE switch to ON creates a sound with a boost at the low and high ends. To get a crisp slap sound, lower the MIDDLE setting and raise the TREBLE. This emphasizes the brightness of the string sound, resulting in a slap sound with a lighter pull sound. You can limit any discrepancies in dynamics by setting the COMPRESSION to the appropriate level in STANDARD mode.

ROCK DRIVE



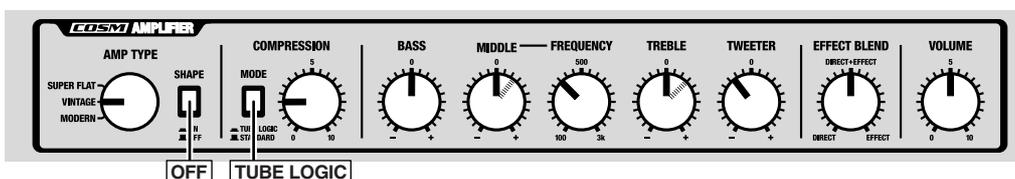
This fat, growing sound resembles the sound you get by playing through a tube amp at high volume. The idea here is to apply COMPRESSION in TUBE LOGIC mode deeply. To further fatten the sound when the strings are flat picked, set the SHAPE switch to ON. Raising the TREBLE setting results in a dazzling, aggressive tone.

SOLO PLAY



This wide-range sound leaves out nothing, not even the subtle nuances in bass solos and other diverse types of performances. Even with highly complex sounds such as those of tapped chords, all the variations in tone, including those produced by differences in string pressure and touch, are faithfully reproduced, providing all the detail of the player's expression.

SMOOTH FINGER



A smooth bass sound perfectly suited for jazz and soul. Use the rear pickup for an electric jazz tone, the front pickup for a soul tone. To further clarify the sense of pitch and contour, raise the midrange with the MIDDLE knob. When playing in bigger bands, slightly raising the TREBLE setting is an effective way to prevent the bass sound from being lost in the other sounds.

How to handle the Casters

Attaching and Removing the Casters

You can attach or remove casters as shown in the following figure.



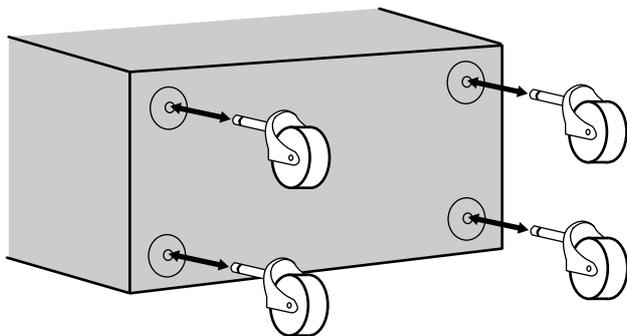
To ensure adequate stability, be sure to attach all four wheels whenever using the unit with caster wheels. Whenever using the unit without caster wheels, be sure to remove all four wheels.



Be sure to remove all casters when accidental movement may be dangerous such as when setting up the D-BASS 210/115/115X on stage or when transporting it in a vehicle.



If casters have been attached to the amp, make sure it is used only on a stable, level surface.



210/115
115X

About the Protection Circuit

This unit is equipped with a protection circuit.

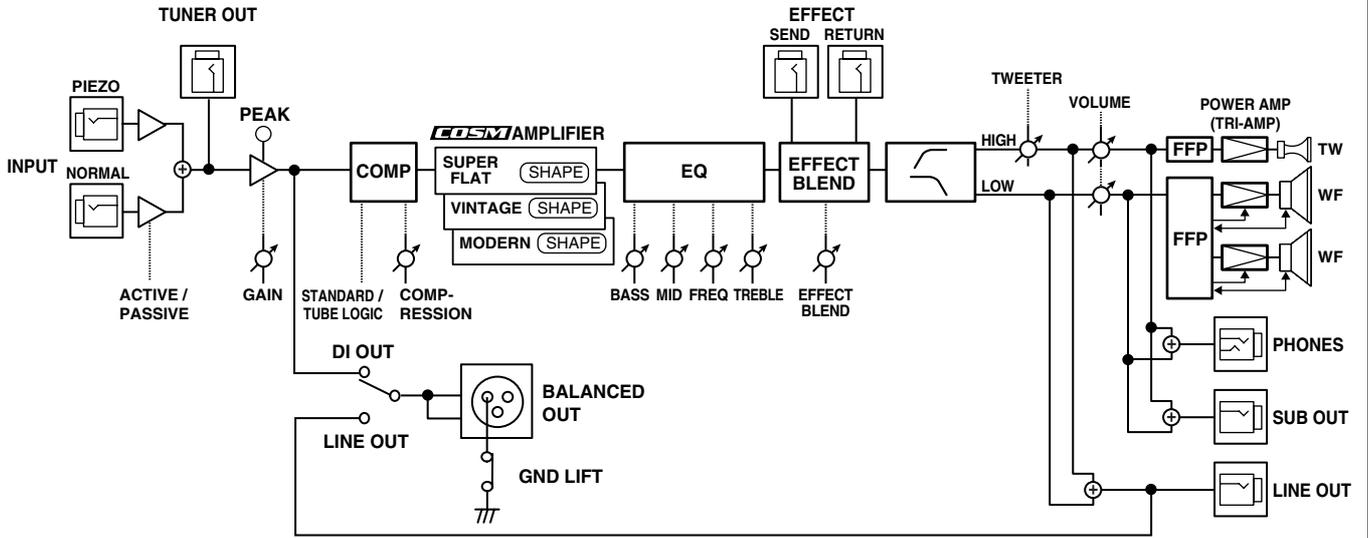
The protection circuit helps ensure safety by activating when excessive input continues for a long time while the device is at a location with a high ambient temperature.

When the protection circuit is active, the POWER indicator flashes, and the sound output drops in volume or ceases altogether.

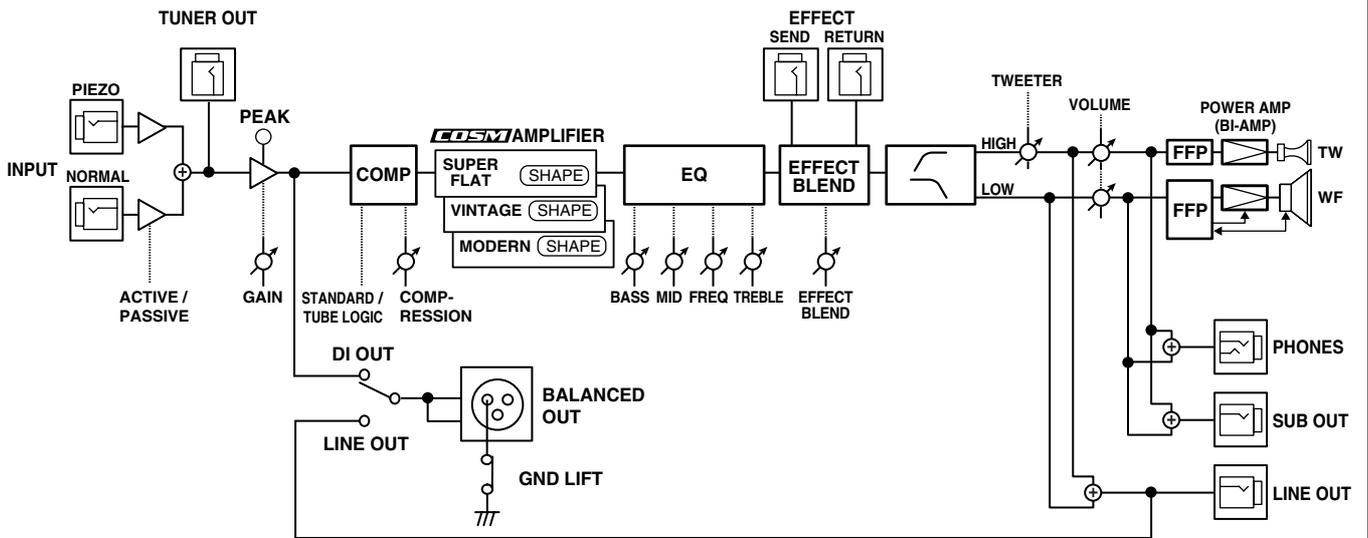
Position this device away from walls or other objects so that the vents remain unobstructed, thus preventing the activation of the protection circuit.

Block Diagram

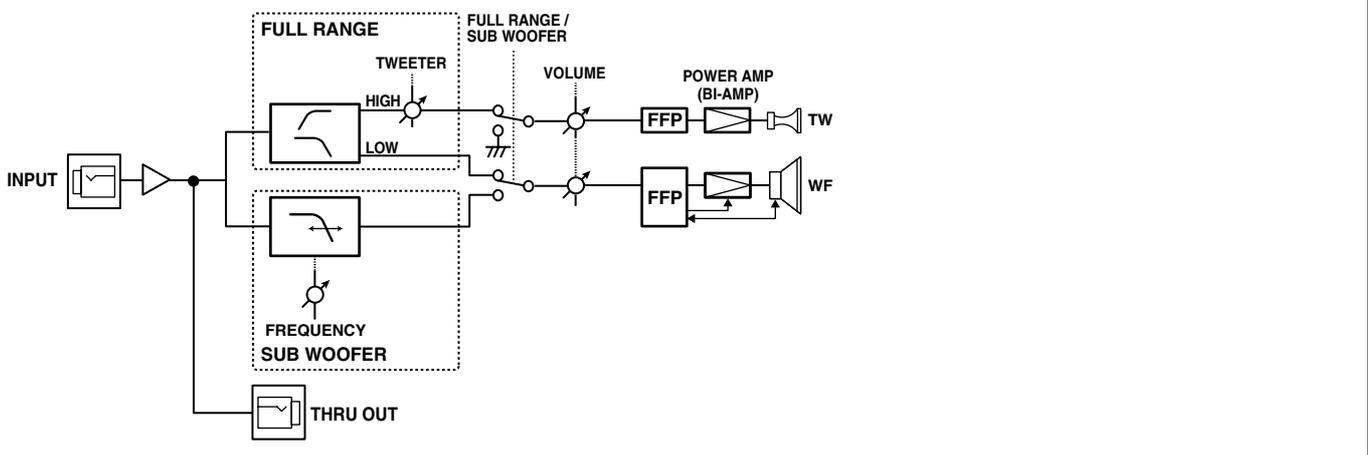
D-BASS 210



D-BASS 115



D-BASS 115X



210/115

115X

Specifications

210/115

	D-BASS 210	D-BASS 115
Rated Power Output	400 W (Woofers 160 W x 2 + Tweeter 80 W)	330 W (Woofers 250 W + Tweeter 80 W)
Nominal Input Level	INPUT PIEZO: -13 dBu/4.7 MΩ INPUT NORMAL: -10 dBu/1 MΩ (PICKUP TYPE: PASSIVE) 0 dBu/50 kΩ (PICKUP TYPE: ACTIVE) EFFECT RETURN: +4 dBu	
Nominal Output Level	SUB OUT: +4 dBu LINE OUT: +4 dBu EFFECT SEND: +4 dBu TUNER OUT: -10 dBu BALANCED OUT: +4 dBu	
Speaker	25 cm (10 inches) x 2 + Tweeter	38 cm (15 inches) x 1 + Tweeter
Controls	POWER Switch, VOLUME Knob, MUTE Switch <INPUT> PICKUP TYPE Switch (ACTIVE, PASSIVE), GAIN Knob <COSM AMPLIFIER> AMP TYPE Knob (SUPER FLAT, VINTAGE, MODERN), SHAPE Switch <COMPRESSION> MODE Switch (TUBE LOGIC, STANDARD), COMPRESSION Knob <EQUALIZER> BASS Knob, MIDDLE Knob, FREQUENCY Knob, TREBLE Knob, TWEETER Knob <EFFECT> EFFECT BLEND Knob <BALANCED OUT> SELECT Switch (DI OUT, LINE OUT), GND LIFT Switch (ON, OFF)	
Indicators	POWER, PEAK, MUTE	
Connectors	PIEZO INPUT Jack (1/4" phone type) NORMAL INPUT Jack (1/4" phone type) PHONES Jack (Stereo 1/4" phone type) FOOT SW (MUTE) Jack (1/4" phone type) SUB OUT Jack (1/4" phone type) LINE OUT Jack (1/4" phone type) EFFECT Jacks (SEND/RETURN) (1/4" phone type) TUNER OUT Jack (1/4" phone type) BALANCED OUT Connector (XLR type)	
Power Supply	AC115V, AC 117 V, AC 220V, AC 230 V, AC 240 V (50/60 Hz)	
Power Consumption	95 W	92 W
Dimensions	(Excluding casters) 595 (W) x 410 (D) x 574 (H) mm 23-7/16 (W) x 16-3/16 (D) x 22-5/8 (H) inches (Including casters) 595 (W) x 410 (D) x 625 (H) mm 23-7/16 (W) x 16-3/16 (D) x 24-5/8 (H) inches	(Excluding casters) 595 (W) x 410 (D) x 623 (H) mm 23-7/16 (W) x 16-3/16 (D) x 24-9/16 (H) inches (Including casters) 595 (W) x 410 (D) x 674 (H) mm 23-7/16 (W) x 16-3/16 (D) x 26-9/16 (H) inches
Weights	24.0 kg / 52 lbs 15 oz	23.5 kg / 51 lbs 13 oz
Accessories	Owner's Manual, Information sheet, Caster x 4	
Options	Foot Switch FS-5L (BOSS)	

D-BASS 115X	
Rated Power Output	330 W (Woofers 250 W + Tweeter 80 W)
Nominal Input Level	INPUT: +4 dBu/22 kΩ
Nominal Output Level	THRU OUT: +4 dBu
Speaker	38 cm (15 inches) x 1 + Tweeter
Controls	POWER Switch, VOLUME Knob, MODE SELECT Switch (FULL RANGE, SUB WOOFER) <FULL RANGE> TWEETER Knob <SUB WOOFER> FREQUENCY Knob
Indicators	FULL RANGE, SUB WOOFER
Connectors	INPUT Jack (1/4" phone type) THRU OUT Jack (1/4" phone type)
Power Supply	AC115V, AC 117 V, AC 220V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	92 W
Dimensions	(Excluding casters) 595 (W) x 517 (D) x 530 (H) mm 23-7/16 (W) x 20-3/8 (D) x 20-7/8 (H) inches (Including casters) 595 (W) x 517 (D) x 581 (H) mm 23-7/16 (W) x 20-3/8 (D) x 22-7/8 (H) inches
Weights	27.0 kg / 59 lbs 9 oz
Accessories	Owner's Manual, Information sheet, Caster x 4

* 0 dBu = 0.775 Vrms

NOTE

In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

210/115

115X

Troubleshooting

Sounds not output

Is the mute function switched on?

→ If you have a foot switch connected, set both the foot switch and the front panel MUTE switch to OFF.

Is the power to the external effects processor turned off or the effect volume turned completely down?

→ With an external effects processor connected, and using a series connection, only the effect sound is output (p. 12). Check the external effects processor's output level.

D-BASS 115X TWEETER LEVEL knob has no effect

Is the TWEETER knob on the D-BASS 210/115 connected to the INPUT jack turned completely down?

→ When the TWEETER knob on the D-BASS 210/115 is turned down all the way, the signals in the tweeter's frequency range are not output from SUB OUT, diminishing the effect of the 115X's TWEETER knob.

