

AUDIBAX KINGSTON 12 DSP Professional DSP Active Loudspeaker User Manual

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USER'S MANUAL



KINGSTON 12 DSP / KINGSTON 15 DSP

Professional DSP Active Loudspeaker

WELCOME TO AUDIBAX

Thank you very much for choosing Audibax. We hope you enjoy your new product.

It has been developed and designed paying attention to the smallest details, with quality control with European standards supervised by our great team of professional technicians, who work every day to offer our customers the best quality.

We make sure that every Audibax product is built to last long. All our references are made with long lasting materials and our specialists are dedicated to constantly doing quality controls to guarantee the best result.

Please read carefully this manual in order to use your Audibax product in the best way. Do not hesitate to visit our website for further information: www.audibax.com

SAFETY INSTRUCTIONS

GENERAL INFORMATION

- It is important to read and follow the instructions carefully.
- Keep all information and instructions in a secure location.
- Always follow the instructions provided.
- Take note of all safety warnings and never remove them from the equipment.
- Use the equipment only as intended and for its intended purpose.
- Ensure that the stands and/or mounts used are sufficiently stable and compatible for fixed installations. Wall mounts should be properly installed and secured, and the equipment should be installed securely to prevent falls.
- When installing the equipment, be sure to observe the relevant safety regulations in your country.
- Do not install or operate the equipment near sources of heat, such as radiators, heat registers, or ovens, and ensure that it is always cooled sufficiently and cannot overheat.
- Do not place sources of ignition, such as burning candles, on the equipment.
- Keep ventilation slits unobstructed.
- For equipment designed for indoor use only should not be used near water, flammable materials, fluids, or gases. Special outdoor equipment should be used in accordance with the manufacturer's instructions.
- Ensure that no dripping or splashed water can enter the equipment and do not place containers filled with liquids on the equipment.
- Prevent objects from falling into the equipment.
- Use the equipment only with recommended accessories intended by the manufacturer.
- Do not attempt to open or modify the equipment.
- Check all cables after connecting the equipment to prevent accidents or damage due to tripping hazards.
- During transport, take steps to prevent the equipment from falling and causing damage or injury.
- If the equipment is not functioning properly, fluids or objects have gotten inside, or is otherwise damaged, switch it off immediately and unplug it from the power outlet (if applicable). Only authorized, qualified personnel should repair the equipment.
- Clean the equipment with a dry cloth.
- Comply with all applicable disposal laws and separate plastic and paper/cardboard during packaging disposal.
- Keep plastic bags out of the reach of children.

FOR DEVICES DESIGNED TO BE CONNECTED TO THE MAIN POWER SUPPLY:

- **ATTENTION:** If your equipment has a power cord with a grounding plug, it must be connected to a wall outlet with a ground connection. Never remove the grounding plug from the power cord.
- If your equipment has been exposed to extreme temperature changes, allow it to reach room temperature before turning it on. Otherwise, moisture and condensation may damage the equipment.
- Before plugging in the equipment, make sure that the voltage and frequency of the power outlet match the specifications of the equipment. If the equipment has a voltage selector, only connect it to the power outlet if the values match. If the power cord or adapter does not fit your outlet, contact an electrician.
- Do not step on the power cord. Make sure it is not pinched at the outlet, adapter, or equipment connection.

- Keep the power cord or adapter within reach and disconnect the equipment from the power supply when not in use or when cleaning it. Always unplug the cord or adapter by pulling the plug or adapter, not the cord. Never touch the cord or adapter with wet hands.
- Avoid frequently turning the equipment on and off, as this can reduce its useful life.
- **IMPORTANT:** Only replace fuses with those of the same type and rating. If a fuse repeatedly blows, contact an authorized service center.
- To completely disconnect the equipment from the power mains, unplug the power cord or adapter from the outlet.
- If your device has a Volex power connector, the mating Volex connector must be unlocked before it can be removed. Be careful when laying cables, as the equipment can slide or fall if the power cord is pulled.
- Unplug the power cord or adapter before an extended period of disuse or in case of lightning strike risk.
- Only install the equipment when it is disconnected from the power source.
- To prevent damage and overheating, qualified personnel should regularly clean and service the equipment depending on ambient conditions like dust, nicotine, and fog.

If the product contains the following symbols, please, read carefully:



CAUTION

Risk of Electric Shock.

Disconnect all power sources before servicing

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.



The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.



The warning triangle with exclamation mark indicates important operating and maintenance instructions.

IMPORTANT INFORMATION

CAUTION! HIGH VOLUMES IN AUDIO PRODUCTS!

This equipment is designed for professional purposes and its commercial use must comply with the applicable national rules and regulations for accident prevention. As the manufacturer of this product, Audibax has the responsibility to inform you about the potential health risks associated with its use. One such risk is hearing damage caused by prolonged exposure to high volume.

When this product is in use, it can generate high sound-pressure levels that may cause irreversible hearing damage to performers, employees, and audience members.

To prevent this, it is important to avoid exposing yourself or others to volumes exceeding 90 dB for an extended period of time.

PACKAGE CONTENT

- 1 x Kingston 12 DSP / Kingston 15 DSP
- 1 x User's manual

SPECIFICATION

MODEL	KINGSTON 12 DSP	KINGSTON 15 DSP
Type	2-way configuration with active – filter	2-way configuration with active – filter
Treble Driver	1" throat, 2"VC	1" throat, 2"VC
Woofers	12", 3" VC	15", 3" VC
Amplifier	Class D Bi-AMP, Stereo Bluetooth	Class D Bi-AMP, Stereo Bluetooth
Frequency Range (-10dB)	50Hz-20KHz	45Hz-20KHz
Mic Input	XLR or 1/4" Jack	XLR or 1/4" Jack
DSP	with DSP processor and 6 modes can be selected	with DSP processor and 6 modes can be selected
EQ	80Hz, 12kHz	80Hz, 12kHz
Line Input	XLR or 1/4" Jack	XLR or 1/4" Jack
Line Output	XLR	XLR
Aux in	3.5mm Jack	3.5mm Jack
Max SPL	126dB / 136dB(peak)	128dB / 138dB(peak)
Power Capacity	800W	800W

FEATURES

- Paint box
- Steel basket woofer
- Rubber feet
- Stereo Bluetooth Function
- Metal grille
- With DSP processor

REAR PANEL

1. Limiter indicator: Red light lights up when the audio signal reaches the maximum output power of the speaker, the input signal will be restricted. Adjust the level control and HF control appropriately if the red light illuminates continuously.
2. Signal indicator: The LED illuminates when an audio signal is present.
3. Volume controls for LINE IN.
4. Switch Select LINE when connecting a mono line source, Select MIC, when connecting a dynamic microphone, these inputs do not have Phantom for microphone present (48v). Switch to the LINE position when a line-level source, such as an audio mixing console, audio playback device, or electronic musical instrument, is connected.
5. MIC/LINE input: This balanced input accepts a male xlr or 1/4" jack. A range of microphone signals, audio mixing consoles and electronic musical instruments can be connected here.
6. Volume control for AUX/BT input.
7. AUXILIARY INPUT: Use a 3.5 mm stereo or mono Jack connector.
8. Output: Use female XLR connector for balanced or unbalanced.
9. Power switch.
10. IEC power connector. Connect a supplied IEC cable or equivalent.
11. Master Control. Multi-function encoder, adjust final output volume or browse unit options.



FUNCTIONS

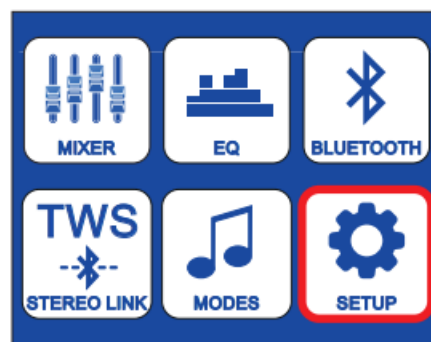
1. Home page

When starting the unit, the master volume control is displayed by default. Note: after 10 seconds, if no operation is executed, the adjustment menu will return to the main page (Master Volume).



2. Feature selection.

Press the Master encoder to access the function menu, turn the wheel left or right to highlight icons, press the encoder again to select them.



3. Mixer.

By entering the MIXER page, you can adjust the volume for each input channel separately, including INPUT1, INPUT2, BT/AUX in, and the MASTER level. Press the MASTER knob to enter the corresponding volume control submenu, rotate the MASTER knob to adjust the volume level, press and hold the MASTER knob for 2-3 seconds to return to the previous menu.



4. EQ page.

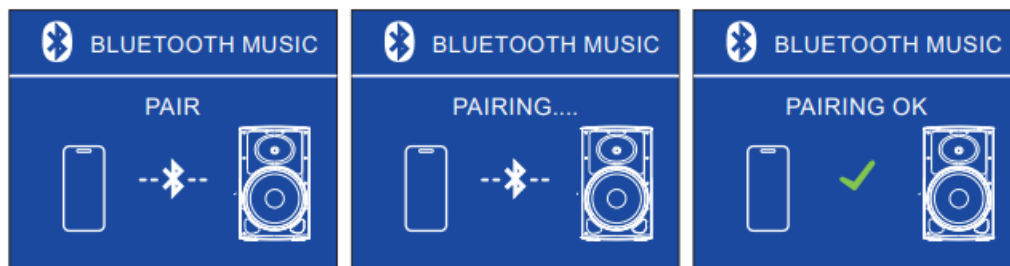
EQ adjustment: Allows you to adjust the HIGH, MID and LOW tones of the mixed signal, adjustment range between -6dB to +6dB.



5. Bluetooth pairing.

Bluetooth pairing page, select the bluetooth menu with the Master encoder, turn right or left to highlight the PAIR symbol, press the MASTER encoder, the menu will enter Pairing mode..., you can search with your terminal for the device "kingston 12 DSP or Kingston 15 DSP" to accept its connection.

If you want to cancel the pairing with the terminal, leave the master encoder pressed twice, the Bluetooth module will stop the connection and you can make a new one with another terminal.



6. TWS pairing.

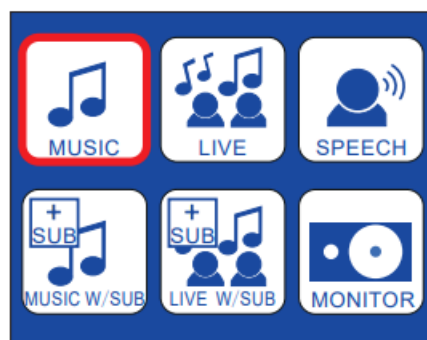
TWS is used to connect two speakers wirelessly, select TWS on both speakers to connect, when the two speakers are connected successfully, search for "Kingston 12 DSP" or "Kingston 15 DSP" on your device, a successful connection will prompt OK, then you can enjoy the stereo sound.

Press the MASTER knob twice to disconnect the previous pairing.



7. DSP modes selection.

6 DSP modes can be selected, press the MASTER knob to select the current DSP mode, in the selected mode, press and hold the MASTER knob for 2-3 seconds to return to the main menu.



8. Unit configuration “setup”.

Unit setup “setup”

Contrast screen: Adjust the screen brightness.

Factory setting, restore the unit to its initial configuration.

*Press and hold the MASTER knob for 2-3 seconds to return to the main menu.



DISPOSAL



Packaging:

1. The packaging can be recycled using standard disposal methods and reintroduced into the reusable material cycle.
2. Please follow the laws and regulations regarding disposal and recycling of packaging in your country.



Device:


1. This device is subject to the Waste Electrical and Electronic Equipment (WEEE) Directive of the European Union. Used appliances should not be disposed of with household waste. Used device must be disposed of through an approved disposal company or a municipal disposal facility. Please comply with the applicable regulations in your country.
2. Please follow all the disposal laws and regulations in your country.

3. As a customer, you can obtain information on environmentally-friendly disposal options from the product seller or the appropriate regional authorities.

THIS DOCUMENT MAY BE SUBJECT TO MISPRINTS, ERRORS OR TECHNICAL MODIFICATIONS.

www.audibax.com

Documents / Resources

 <p>KINGSTON 12 DSP / KINGSTON 15 DSP</p> <p>Professional DSP Active Loudspeaker Advanced Active DSP Professional</p>	<p>AUDIBAX KINGSTON 12 DSP Professional DSP Active Loudspeaker [pdf] User Manual 12 DSP, 15 DSP, KINGSTON 12 DSP Professional DSP Active Loudspeaker, KINGSTON 12, D SP Professional DSP Active Loudspeaker, Professional DSP Active Loudspeaker, DSP Active L oudspeaker, Active Loudspeaker, Loudspeaker</p>
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References

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- [User Manual](#)

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