AUDIBAX Eagle 12 DSP Active Speaker User Manual

Eagle 12 / **Eagle 15**
Active Speaker
Altavoz Activo
www.audibax.com

Contents

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**
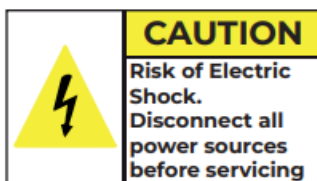
SAFETY INSTRUCTIONS

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:

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.
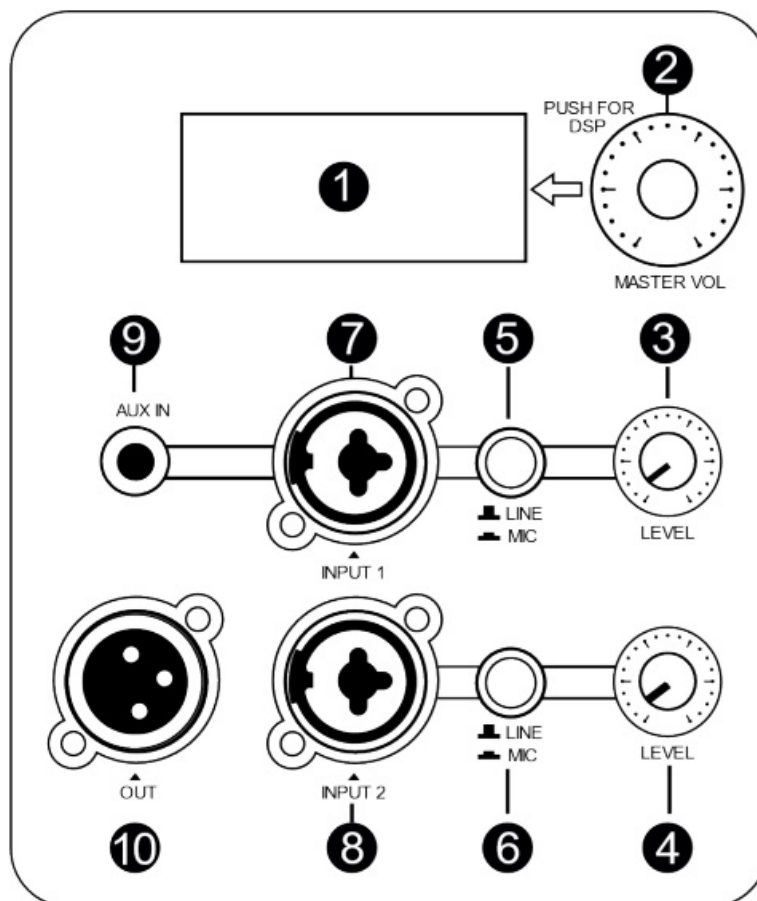
PACKAGE CONTENT

- 1 x Eagle 12 / Eagle 15
- 1 x User manual

SPECIFICATION

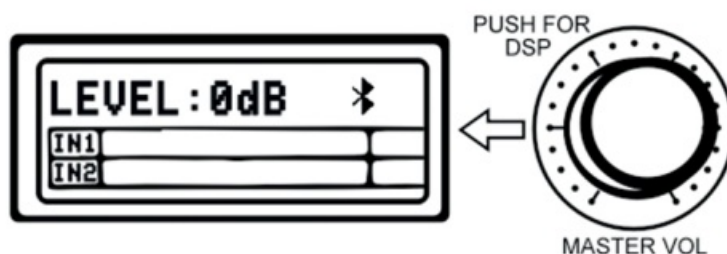| Eagle 12	Eagle 15
12″ ACTIVE SPK, BI-AM PI CLASS D	15″ ACTIVE SPK, BI-AM PI CLASS D
WITH DSP/MP3/BLUETOOTH	WITH DSP/MP3/BLUETOOTH
RMS Power: 450W	RMS Power: 450W
SPL: 125db	SPL:12Sclb
Impedance: WF4D/WFSCI	Impedance: WF4D/WFSC1
Power su pply: 100V/240V	Power supply: 100V/240V
FRE RESPONSE: 20Hz-20kHz	FRE RESPONSE:20Hz-20kHz
Woofer: 12″ 6007 magnet 3″VC	Woofer: 15″ 6007 magnet 3″VC
Tweeter:1.35″	Tweeter:1.35″
Dimension: 480x420x680	Dimension: 503x441x777

OPERATION

1. LCD display for adjustments
2. Main volume/press for DSP
3. Adjusts the gain (sensitivity) of channel 1
4. Adjusts the gain (sensitivity) of channel 2
5. Level selector: line/microphone for channel 1
6. Level selector: line/microphone for channel 2
7. XLR combo o ¼" Jack for line signal or microphone for channel 1
8. XLR combo o ¼" Jack for line signal or microphone for channel 2
9. 3.5 mm input for connecting music players.
10. XLR line level output, mixed signal, includes mixing of all channels.

PARAMETERS OF THE DSP MENU

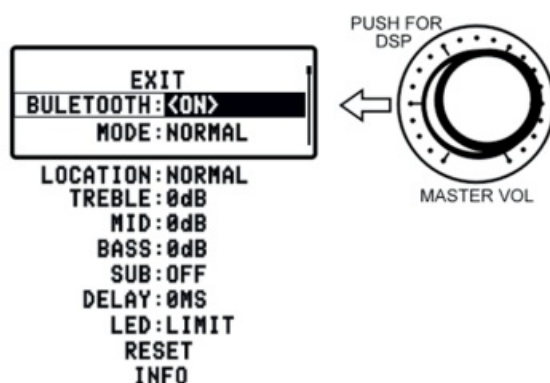| PROCESSES	CONFIGURATION
LEVEL	Max. 0 db, Min. -59 db, below this the "MUTE" function is activated.
DSP CONTROL MENU WINDOW	
BLUETOOTH	< OFF> Turn off Bluetooth.
	< ON > Turn on Bluetooth.
	< TVVS > Link the speaker to another one.
MODE	<NORMAL>
	<LIVE>
	<DJ>
	<SPEECH>
LOCATION	< NORMAL>
	<MONITOR>
TREBLE	At 12KHz From -10db to +10db
MID	At 1KHz From -10db to +10db
BASS	At 80Hz From -10db to +10db
SUB	<OFF> Full range, cut off frequency.
	<80Hz> Cut off frequency.
	<100Hz> Cut off frequency.
	<120Hz> Cut off frequency.
DELAY	From 0.1ms to 9.9ms
LED	<OFF> Apagar luz led frontal.
	<ON> Encender luz led frontal.
	<LIMIT> Front led light lights up when the limiter is working.
RESET	Select whether to reset all the changes made.
EXIT	Exit MENU.

DEFAULT MENU WINDOW

After the power is turned on, function MASTER VOL menu is displayed by default. The screen will light up blue showing us the dB value of MASTER VOL LEVEL and the levels of inputs 1 and 2. Also, in this step we will be able to see on the screen if the levels of inputs reach the clip, if the bluetooth function is activated or if it is in mute. In function MASTER VOL menu, rotate knob to adjust the dB value of LEVEL.

DSP CONTROL MENU WINDOW

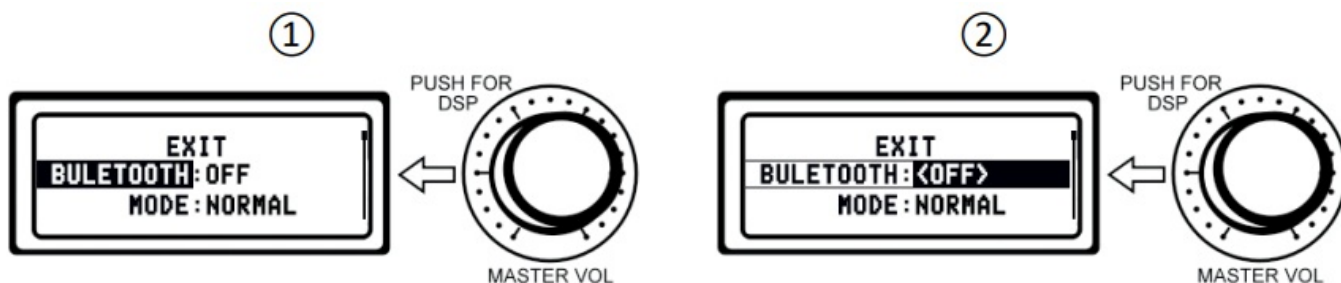Press the knob switch, to enter the DSP control menu window.

Rotate clockwise to move down or counterclockwise to move up when navigating in the menu. Press the button to enter the selected option setting mode.
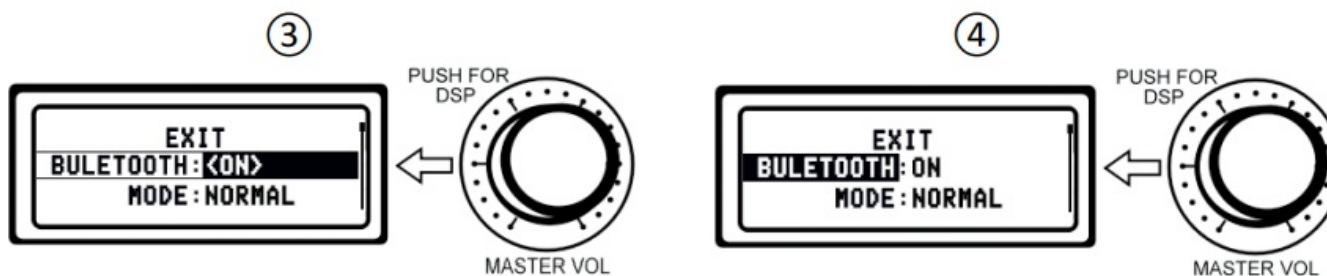
```
              EXIT
   BULETOOTH: <ON>
        MODE: NORMAL

   LOCATION: NORMAL
      TREBLE: 0dB
         MID: 0dB
        BASS: 0dB
         SUB: OFF
       DELAY: 0MS
         LED: LIMIT
       RESET
        INFO
```

MENU-BULETOOTH

Example: Bluetooth connection

Select the option in MENU BLUETOOTH ①, press the button to enter the Bluetooth status setting option ②.

①
```
              EXIT
   BULETOOTH: OFF
        MODE: NORMAL
```

②
```
              EXIT
   BULETOOTH: <OFF>
        MODE: NORMAL
```

Rotate to browse in different Bluetooth states(OFF/ON/TWS) ③, press the button to confirm and exit the setting item ④.

③
```
              EXIT
   BULETOOTH: <ON>
        MODE: NORMAL
```

④
```
              EXIT
   BULETOOTH: ON
        MODE: NORMAL
```

MENU-MODE: 4 EQ presets of the DSP

Normal: This DSP setting does not enhance or reduce any particular frequency, i.e. it gives us a flat frequency response.

Live: This mode is ideal for playing live music has a deeper and more balanced basic response.

DJ: This mode adds definition and power to low frequencies. It is mainly used to reproduce styles of music such as EDM, pop and hip hop.

Speech: This mode improves vocal clarity and is ideal for using a common dynamic microphone connected directly to one of the CH inputs.

MENU-LOCATION

NORMAL: In the NORMAL state, the DSP modes selected in MODE are kept.

MONITOR: Use this mode when using the system as a stage monitor with a microphone.

It balances and softens the frequencies susceptible to feedback and cuts low frequencies.

The Monitor mode works on the previously selected EQ DSP in MODE.

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.

Documents / Resources

	AUDIBAX Eagle 12 DSP Active Speaker [pdf] User Manual Eagle 12, Eagle 15, Eagle 12 DSP Active Speaker, DSP Active Speaker, Active Speaker, Speaker

References

- 🌐 **Home - Audibax**
- **User Manual**