



# AUDIBAX DSP8 Professional Active Speaker with DSP Altavoz User Manual

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**AUDIBAX DSP8 Professional Active Speaker with DSP Altavoz**



## Product Information

- Brand: Audibax
- Product Name: DSP8 / DSP10 / DSP12 / DSP15 – ID: 10242049 / 10198308 / 10242050 / 10198306 – EAN: 7427244399753 / 7427244396721 / 7427244399760 / 7427244396714
- Category: Audio Active Speakers
- DSP control: Yes – Design: Standard / Floor monitor / wall monitor / Live / Vocal boost – Woofers: 8" / 12" / 10" / 15"
- Number of Woofers: 1
- Number of ways: 2
- RMS power: 150W / 200W / 180W / 300W
- Peak Power: 450W / 1200W / 450W / 1500W
- Impedance: 8 ohms
- Monitor Slope: Yes
- Number of simultaneous entries: 1 / 2
- Bluetooth: Yes
- Color: Black
- Height: 42.5 cm / 61 cm / 51 cm / 68 cm
- Width: 25.5 cm / 35 cm / 30 cm / 42 cm
- Depth: 25 cm / 34.8 cm / 29 cm / 38 cm
- Weight: 8 Kg / 15.75 Kg / 10 Kg / 20.65 Kg

## Product Usage Instructions

**Safety Instructions:**

- Ensure that the power outlet matches the specifications of the equipment.
- If the equipment has a voltage selector, only connect it to the power outlet if the values match.
- Qualified personnel should regularly clean and service the equipment to prevent damage and overheating.

**General Information:**

- The Audibax DSP8 / DSP10 / DSP12 / DSP15 has been developed and designed with attention to detail and quality control.
- The product is built to last long and is made with long-lasting materials.
- Please read the manual carefully to use the Audibax product properly.
- Visit the website [www.audibax.com](http://www.audibax.com) for further information.

**Symbols:**

- If the product contains the “CAUTION” symbol, disconnect all power sources before servicing.
- To reduce the risk of electric shock, do not remove the cover or back of the product. Maintenance and repairs should be carried out by qualified service personnel. Note: For detailed instructions on adjusting brightness, contrast, reset, and exit functions, please refer to the complete user manual available on the website [www.audibax.com](http://www.audibax.com).

**DATA SHEET**

Brand:	Audibax	Audibax
Product Name:	DSP8	DSP10
ID:	10242049	10242050
EAN:	7427244399753	7427244399760
Category:	Audio Active Speakers	Audio Active Speakers
DSP control:	Yes	Yes
Design:	Standard / Floor monitor / wall monitor / Live / Vocal boost	Standard / Floor monitor / wall monitor / Live / Vocal boost
Woofers:	8"	10"
Number of Woofers:	1	1
Number of ways:	2	2
RMS power:	150W	180W
Peak Power:	450W	450W
Impedance:	8 ohms	8 ohms
Monitor Slope:	Yes	Yes
Number of simultaneous entries:	1	1
Bluetooth:	Yes	Yes
Color:	Black	Black
Height:	42.5 cm	51 cm
Width:	25.5 cm	30 cm
Depth:	25 cm	29 cm
Weight:	8 Kg	10 Kg

Brand:	Audibax	Audibax
Product Name:	DSP12	DSP15
ID:	10198308	10198306
EAN:	7427244396721	7427244396714
Category:	Audio Active Speakers	Audio Active Speakers
DSP control:	Yes	Yes
Woofers:	12"	15"
Number of Woofers:	1	1
Number of ways:	2	2
RMS power:	200W	300W
Peak Power:	1200W	1500W
Monitor Slope:	Yes	Yes
Number of simultaneous entries:	2	2
Bluetooth:	Yes	Yes
Color:	Black	Black
Height:	61 cm	68 cm
Width:	35 cm	42 cm
Depth:	34,8 cm	38 cm
Weight:	15,75 Kg	20,65 Kg

## 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](http://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**

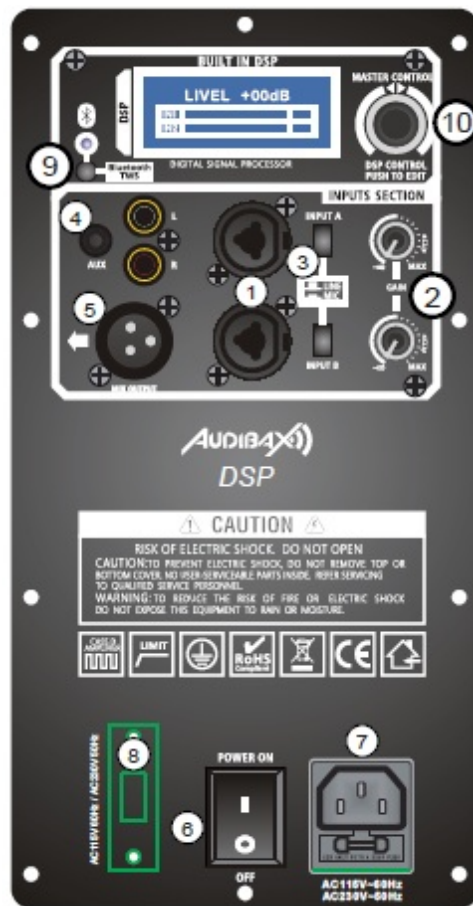
- 1 x DSP8 / DSP10 / DSP12 / DSP15
- 1 x User manual
- 1 x Power cord
- 1 x Signal line

## **PRODUCT DESCRIPTION**

Model:	DSP8	DSP10	DSP12	DSP15
Type:	2 way active speakers box	2 way active speakers box	2 way active speakers	2 way active speakers
Woofers:	8" VC 2.0" Magnet 40oz 8ohm	10" VC 2.0" Magnet 40oz 8ohm	12" VC 60.6mm Magnet 60oz	15" VC 75.5mm Magnet 70oz
Tweeter:	1"(25mm+11oz magnet) Titanium	1"(25mm+11oz magnet) Titanium	1.35"(34mm) Titanium	1.75"(44mm) Titanium
Frequency:	58Hz-20KHz	58Hz-20KHz	50Hz-20KHz	43Hz-20KHz
Impedance:	8 ohm	8 ohm	8 ohm	8 ohm
Amplifier	Class/D BI-AMP	Class/D BI-AMP	Class/D BI-AMP	HI-Power Class/D BI-AMP
RMS Power:	150Watts	180Watts	L:200W+H:50W	L:300W+H:100W
Max power:	450W	450W	1200W P.M.P.O 4500W	1500W P.M.P.O 5000W
SPL:	119dB (Constant) 125dB(Peak)	120dB (Constant) 126dB(Peak)	—	—
Mic input:	XLR/6.35JACK	XLR/6.35JACK	Jack+XLR	Jack+XLR
Line input:	3.5mm AUX IN	3.5mm AUX IN	XLR+Jack 6.35+RCA	XLR+Jack 6.35+RCA
Line Output:	XLR	XLR	XLR	XLR
Function:	Bluetooth+Pro DSP		Bluetooth+EQ+Profession DSP	
Enclosure Finish:	Anti-scratch ABS. Metal front grille with anti-dust filter		Anti-scratch ABS. Metal front grille with anti-dust filter	
Power Supply:	—		AC110-240V	
G.W:	8KG	10KG	15.75 KG	20.65 KG
Package size:	31x30x48cm	35x33x56cm	—	—
			Trapezoidal enclosure for monitoring application	

## FACILITIES





#### 1. CH1 Microphone or Line in

Balanced microphone input (combo 6.35mm jack/XLR). You may also use a microphone cable with unbalanced 6.35mm jack.

#### 2. Level

This knob adjusts channel level, turn it to the right to raise the level, to the left to decrease it.

#### 3. Ch1/ 2 MIC/ Line input switch

Place the switch in LINE to use a line-level source or MIC for use with a microphone.

#### 4. Aux input

Jack 3.5mm inputs use with MP3 Player CD or any consumer type electronic.

Level: Controls how loud the AUX In' input sounds.

#### 5. Line Out

This XLR M output provides a balanced line-level signal, useful for connection to another active speaker.

#### 6. Power Switch

This switches the product on /off.

#### 7. Power Inlet and Power Fuse

Connect the mains supply here. Ensure the local mains supply is compatible with this product.

#### 8. Voltage Selector

Use it to select the correct input voltage.

#### 9. Bluetooth Switch

Press this button to sync your Bluetooth device with your speaker, at the end of the operation the LED will be steadily lit.

**Note:** long press turn on TWS:

To activate the TWS function set the two speakers (must is same model.) in bluetooth mode. On one of the two

speakers press and hold this button. The blue LED will light up. TWS function connect.

Now you can connect your play device (smartphone ,tablet etc....) to the speaker in order to obtain a stereo effect. The TWS function works only bluetooth system.

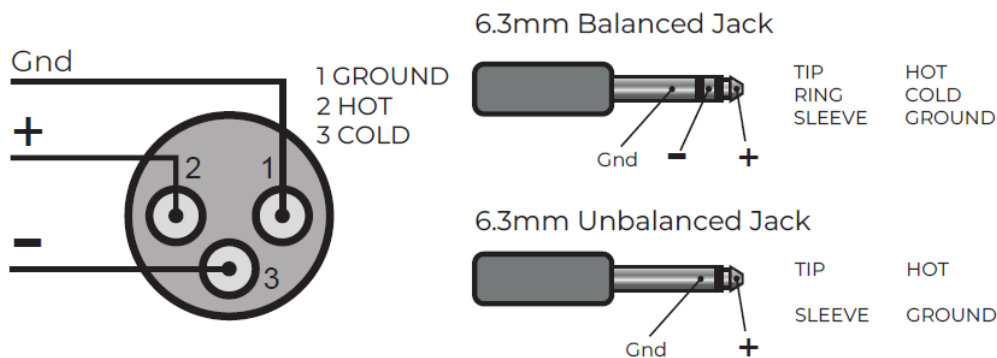
## 10. DSP Functions

By pressing the button (10) you can access a series of settings that can be modified at will to optimize the reproduced sound. Turn the knob (10) to select the desired item, press and rotate it to change the related settings. Press it again to confirm and go back to the main menu. If you make no change, after a few seconds the main menu will appear again automatically on the display Below are the settings that can be modified:

Please refer to DSP 12 of DSP function setting

**NOTE:** The rotating GAIN controls (2) allow you to set the gain for the input signals on the related sockets. Make sure they are set correctly to avoid distortions or dangerous signal peaks that could damage the speaker. We suggest not to exceed the level indicated as CLIP.

## BALANCED XLR



## SPECS

1. Power supply: AC220V 50Hz
2. Maximum power consumption: 320Wh
3. Power consumption in standby mode: 45Wh
4. Output power: 400W R.M.S

## BLUETOOTH

Bluetooth mode: Turn on the Bluetooth function on your phone. Search your device for the unit named “Audibax DSP” to connect, after successful pairing, you can play the music from the speaker. This device will be saved and it will not be necessary to identify it later to reconnect.

## DSP FUNCTIONS

Audibax DSP system adjustment and control knob 3-Step control potentiometer:

1. Rotation to the left (decreasing menu selection or reduction of values)
2. Rotation to the right (increasing menu selection or increasing values)
3. Press (menu selection, program selection, menu exit)

## Before Switching On

Pay attention to the position of the switch (MIC/Line fig. 4) it is recommended to operate in Line position if there is

no microphone connected to said (line 1 or line 2), turn the two gain controllers to the left. Power on, the welcome message will be displayed for a few seconds (initializing) The display will show the initial power-on screen.

## MASTER VOLUME

The start value is +00. Rotate DSP controller to adjust the level (-60 to +10).

## GAIN ADJUSTMENT

Adjust the gain of the Line 1 and Line 2 controllers (fig. 8). If the display shows CLIP, lower the level.

## DSP MENU

Press the DSP controller, to enter the setting menu, “after not operating the DSP controller for 10 seconds, the DSP menu will return to the home screen”.

## MODE

Working modes, you can select between 4 modes:

1. **Music:** When you require the full range of frequencies for music reproduction.
2. **DJ / Club:** for events where you need an accentuation in low frequencies.
3. **Live:** for outdoor events or musical events.
4. **Speech:** for narrative conference events and conferences where voice prevails.



## LCD DIM

Display dim function on / off button.

## BRIGHT

Adjust screen brightness. CONTRAST Adjust screen contrast.

## RESET

Return to factory functions

## INFO

Displays the DSP version.

## EXIT

Returns to the home screen.

## 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

	<p><b><a href="#">AUDIBAX DSP8 Professional Active Speaker with DSP Altavoz</a></b> [pdf] User Manual DSP8 Professional Active Speaker with DSP Altavoz, DSP8, Professional Active Speaker with DSP Altavoz, Speaker with DSP Altavoz, DSP Altavoz</p>
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## References

-  [Audibax, Sound Experts](#)