
CXBA

Active Subwoofers

Item ref: 178.275UK, 178.276UK

User Manual





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing this CXBA active subwoofer, which can be added to existing systems or used as the main unit to power up to 4 satellite speakers in a compact PA system. Please read this manual prior to use to avoid damage through misuse.

Important Note

**This product is fitted with a BRIDGE/STEREO slide switch.
Make sure this is switched to STEREO for standard operation.**

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture and avoid ingress of water into the enclosure. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Safety

Prior to connecting mains, ensure that the supply voltage is correct and the mains lead is in good condition. If the mains fuse blows, refer the unit to qualified service personnel.
This unit must be earthed.

Placement

The CXB10A and CXB12A have both been designed so that they can operate with the driver facing forwards (ideal for live performances) or positioned with the driver facing downwards (smaller footprint, ideal for installation). Self-adhesive feet are provided to protect floor surfaces when installed in the downward facing orientation. Ensure that connections and controls are protected from potential damage. The slotted front ports double as carrying handles for convenience.

Downward facing driver



Forward facing driver

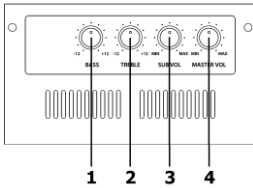


Keep the unit out of direct sunlight and away from heat sources.
Keep away from moist or dusty environments.

Cleaning

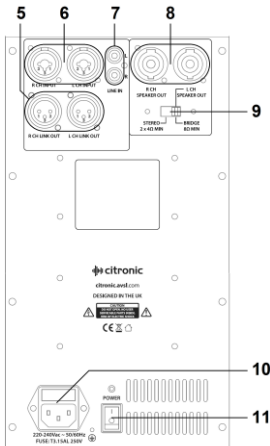
Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls.
To avoid damage, do not use solvents to clean this equipment.

Top Panel



1. Bass EQ control
2. Treble EQ control
3. Sub volume control
4. Master volume control

Rear Panel



5. R+L XLR line outputs
6. R+L combo XLR/jack inputs
7. R+L RCA inputs
8. R+L satellite speaker outputs
9. IEC mains inlet and fuse holder
10. Mains power on/off switch

Setting up

Each CXBA subwoofer has an internal class D amplifier which can also power 1, 2 or 4 satellite speakers. The ideal placement for any subwoofer is on the floor, against a wall and if possible, in a corner. Any surfaces that the cabinet is adjacent to will help to optimize the delivery of low frequencies.

If stereo satellite cabinets are to be powered from the CXBA sub, **make sure that the red slide switch (9) is set to "STEREO"**. Connect these to the L+R speaker outputs (8) on the rear panel (pin1+ and pin1-), ensuring a minimum impedance of 4Ω is connected to each output.

Alternatively, the satellite outputs can be combined to drive a single larger satellite cabinet by sliding the BRIDGE switch to the right (BRIDGE). In this mode, the CXBA sub will supply the total satellite power to the L CH satellite output (the R CH is not used). The output power is equivalent to the sub output.

Important note for Bridge Mode:

Connect only 1 satellite speaker which is 8Ω impedance and can handle the full output.

Check the manufacturer's specifications for the satellite speaker before using BRIDGE mode.

Connect L+R inputs via jack or XLR to the combo inputs (6) or on RCA inputs (7) on the rear panel. A pair of XLR outputs (5) are provided to continue the signal onto other equipment (amps, active speakers etc.)

Operation

Turn Master and Sub volume controls (4, 3) fully down and Treble and Bass (2, 1) controls to the vertical (12 o'clock) position.

Connect to mains power using the IEC lead provided (10).

Play a signal to the inputs and switch the mains power on (11). Gradually turn up the Master volume control and check the satellite speaker output (if satellites are connected).

Turn up the Sub volume control and check the low frequency output from the sub cabinet.

Adjust overall tone via the Treble and Bass EQ controls.

Turn down volume controls before switching off. Unplug from the mains if not used for long periods.

Specifications

Model	CXB10A	CXB12A
Power supply	220-240Vac, 50/60Hz (IEC)	
Fuse rating	T3.15AL 250V	T5AL 250V
Sub driver	250mmØ (10")	300mmØ (12")
Power : subwoofer	250Wrms	420Wrms
Power : satellites @ 8 Ohms	2 x 125Wrms	2 x 150Wrms
Power : satellites @ 4 Ohms	2 x 170Wrms	2 x 210Wrms
Bridge power @ 8 Ohms	250Wrms	420Wrms
Inputs	L+R Combo (Jack/XLR), L+R RCA	
Signal outputs	2 x XLRM	
Outputs : speaker	L+R SPK connectors	
Controls	Bass, Treble, Sub Vol, Master	
Crossover frequency	150Hz	
Dimensions	340 x 340 x 570mm	400 x 400 x 660mm
Weight	16.8kg	21.8kg

Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check mains lead is connected
	Check mains fuse hasn't blown
No output from sub unit	Ensure that SUB VOL control is not turned fully down
No output from satellite speakers	Ensure that the bridge switch is set to STEREO
	Check speaker connection leads are OK and connected properly
	Check the satellite speakers are working by using another amplifier
Output from L CH speaker only	Check that BRIDGE mode is not engaged
Distorted or overdriven output	Reduce the Master volume, Bass and Treble controls



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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