
CXB10A

Active Subwoofer

Item ref: 178.274UK

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 CXB10A 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.

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 has been designed so that it 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

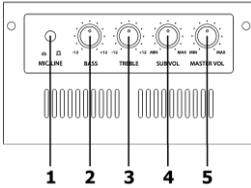


Keep the unit out of direct sunlight and away from heat sources.
Keep away from moist or dusty environments.

Cleaning

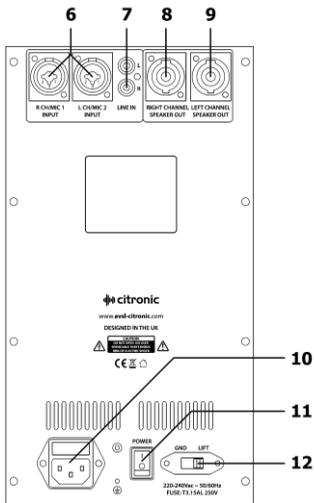
Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls.
To avoid damage, do not use solvents to clean this equipment.

Top Panel



1. Mic / Line level switch
2. Bass EQ control
3. Treble EQ control
4. Sub volume control
5. Master volume control

Rear Panel



6. R+L combo XLR/jack inputs
7. R+L RCA inputs
8. Right satellite speaker output
9. Left satellite speaker output
10. IEC mains inlet and fuse holder
11. Mains power on/off switch
12. Ground lift switch

Setting up

The CXB10A subwoofer has an internal class D amplifier which can also power 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 satellite cabinets are to be powered from the CXB10A, connect these to the L+R speaker outputs (pin1, pin1-) on the rear panel, ensuring a minimum impedance of 4Ω is connected to each output. Satellite power output is $125W_{rms}$ @ 8Ω and $170W_{rms}$ @ 4Ω per channel.

Connect L+R inputs via jack or XLR to the combo inputs (6) or on RCA inputs (7) on the rear panel. These input connectors are wired in parallel so that the unconnected pair can be used to continue the signal onto other equipment (amps, active speakers etc.)

Operation

Turn Master and Sub volume controls (5, 4) fully down and Treble and Bass (3, 2) controls to the vertical (12 o'clock) position. The CXB10A has a Mic/Line switch (1) to allow operation directly from low impedance (e.g. microphones) inputs.

Warning: For normal line level signals, ensure this switch is *not* pressed in.

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. If there is audible mains hum, switching the Ground Lift switch (12) to "LIFT" may help. Otherwise, switch to "GND".

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

Specifications

Power supply	220-240Vac, 50/60Hz (IEC)
Fuse rating	T3.15AL 250V
Inputs	L+R Combo (Jack/XLR), L+R RCA
Outputs	L+R SPK connectors
Controls	Bass, Treble, Sub Vol, Master Vol
Crossover frequency	150Hz
Sub driver	250mmØ (10")
Power: Subwoofer	250Wrms
Power: Satellites @ 8 Ohms	2 x 125Wrms
Power: Satellites @ 4 Ohms	2 x 170Wrms
Pole mount	Top-mounted 35mm socket
Dimensions	340 x 340 x 570mm
Weight	16.8kg

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 volume control is not turned fully down
Distorted or overdriven output	Check that Mic/Line button is not pressed in
	Reduce the Master volume, Bass and Treble controls



Disposal: The "Crossed Wheeled 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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