

**CXB**

Dual Coil Subwoofers

Item ref: 178.278UK, 178.279UK

User Manual



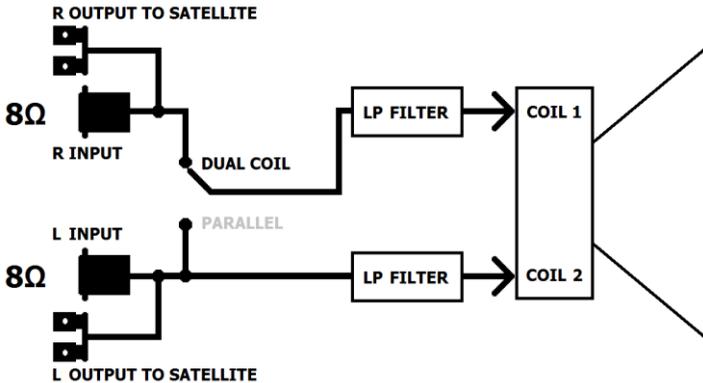
Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## Introduction

Thank you for choosing a CXB dual coil subwoofer as part of your sound system. This product can be used for installation, small to medium PA applications or powered in stereo as part of a 2.1 system. Please read this manual prior to use to avoid damage through misuse.

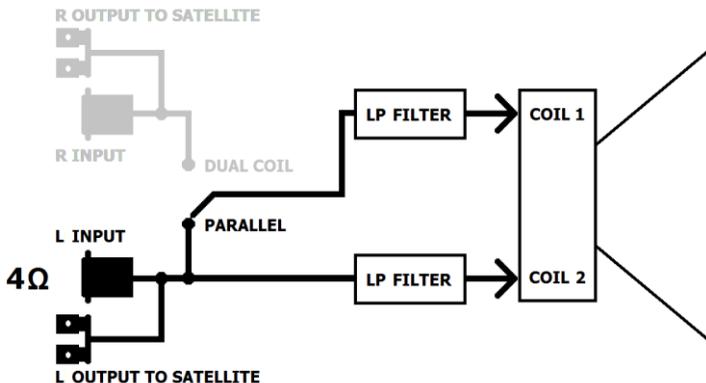
**Important Note: This product is fitted with a DUAL COIL / PARALLEL switch.**

**In DUAL COIL mode, each input has a nominal impedance of  $8\Omega$**



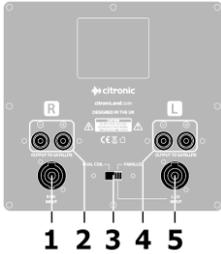
For each of the SPK input sockets, there is a parallel set of binding post connectors for connecting an output to a satellite speaker. This enables the CXB10 to be wired in-line with 2 satellite speakers to form a full range 2.1 speaker set in DUAL COIL mode.

**In PARALLEL mode, connecting to the L input gives a combined impedance of  $4\Omega$**



Moving the slide switch to the PARALLEL setting connects both coils of the CXB10 sub driver together. Connecting an amplifier to the L channel input powers the CXB10 as a standard  $4\Omega$  250W subwoofer.

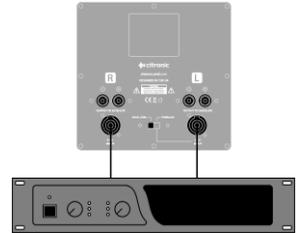
## Rear Panel



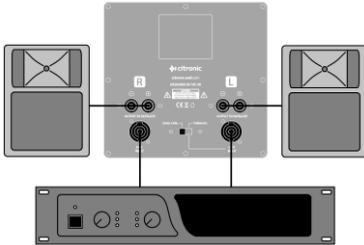
1. Right channel SPK input
2. Right channel 4mm binding posts
3. Dual Coil / Parallel mode switch
4. Right channel 4mm binding posts
5. Right channel SPK input

## Stereo Operation

Make sure that the mode switch (3) is at the "Dual Coil" setting. Connect the left output of the amplifier to the L channel SPK input (5). Connect the right output of the amplifier to the R channel SPK input (1). The output is a mono mix of both sides of the amplifier.  $8\Omega$  impedance each channel.



## Adding satellite speakers



Each SPK connector has a parallel set of binding posts (2, 4). These can be used to connect onto full range left and right cabinets for powering from the same amplifier, forming a "2.1" system. Check the amplifier manufacturer's information to ensure that the load connected to each output is no lower than the minimum impedance quoted for the amplifier and that the CXB sub + speakers can handle the shared output power.

## Mono operation

If the CXB cabinet is to be powered as a standalone subwoofer without satellite speakers attached, both coils can be linked together by moving the mode switch to the "Parallel" setting to give a  $4\Omega$  subwoofer. In this instance, make sure that the amplifier is stable down to  $4\Omega$  and connected to the L channel input.

Do not connect any other equipment to the L channel binding posts. (These may only be used as a bare wire alternative to the SPK input)



## Placement

The CXB10 and CXB12 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**



## Specifications

Model	CXB10	CXB12
Impedance	2 x 8Ω or 1 x 4Ω	
Input connections	2 x SPK + 2 x pairs binding posts	
Crossover frequency	180Hz (6dB/oct)	
Power handling : rms	2 x 125W or 1 x 250W	2 x 200W or 1 x 400W
Power handling : peak	2 x 250W or 1 x 500W	2 x 400W or 1 x 800W
Driver unit	CX-1028 10" dual coil (902.575UK)	CX-1228 12" dual coil (902.577UK)
Sensitivity @ 1W/1m	93dB (each coil)	96dB (each coil)
Max. SPL	117dB	119dB
Frequency response	50 - 800Hz	43 - 800Hz
Dimensions	340 x 340 x 570mm	400 x 400 x 660mm
Weight	16.3kg	21.2kg



**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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