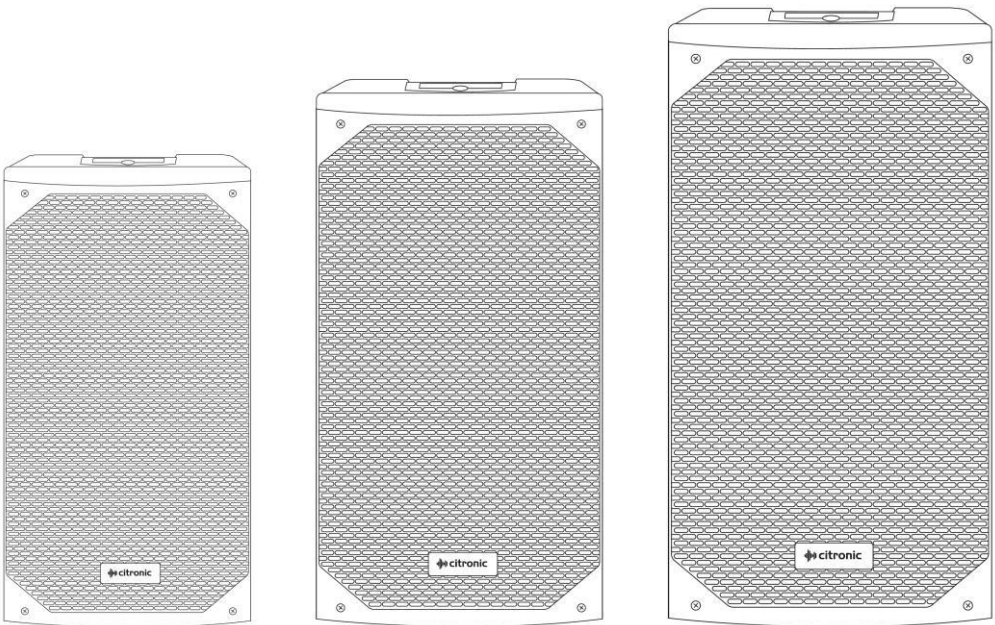


CAB-Series

Active Speakers with
Bluetooth Link

Item ref: 178.010UK
178.012UK
178.015UK

User Manual



Version 1.2



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

Introduction

Thank you for choosing CAB series active speakers with Bluetooth link for your sound system. These cabinets provide versatile, high quality sound reinforcement with true wireless function. Please read this manual prior to use to avoid damage through misuse.

Package Contents

Please check the contents to ensure that the product has been received in good condition.

- Active speaker cabinet
- IEC mains power lead(s)
- User manual

If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once. This product contains no user-serviceable parts so make no attempt to try to fix or modify this item yourself as this will invalidate the warranty. We recommend you keep the original package and proof of purchase for any possible return or servicing requirement.

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 that the mains lead is in good condition. If the mains fuse blows, refer the unit to qualified service personnel

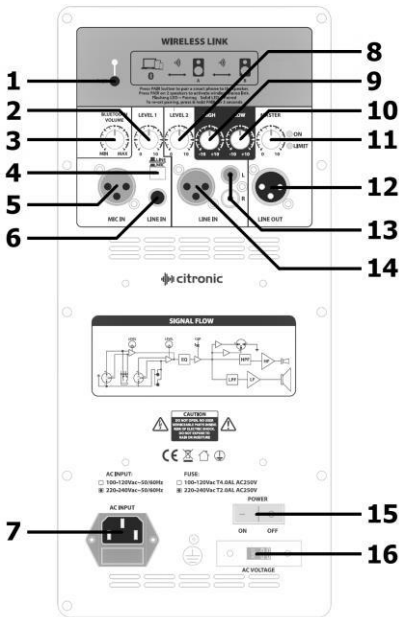
Placement

Keep the unit out of direct sunlight and away from heat sources.
Keep the unit away from moisture or dusty environments.
For Bluetooth connection, ensure that the paired devices are within wireless range.

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.

Rear Panel



- 1 Bluetooth pairing button
- 2 Mic/Line input 1 level
- 3 Bluetooth volume
- 4 Input 1 Mic/Line level switch
- 5 Input 1 Mic input XLR
- 6 Input 1 Line input 6.3mm jack
- 7 Mains IEC inlet + fuse holder
- 8 Line input 2 level
- 9 High EQ boost/cut control
- 10 Low EQ boost/cut control
- 11 Master output and status LEDs
- 12 Line output XLR
- 13 Input 2 Line input RCA sockets
- 14 Input 2 Line input XLR
- 15 Power on/off rocker switch
- 16 Mains voltage selector

Setting up

The CAB series enclosures are fitted with a 35mmØ pole mount socket at the base. For pole mounting, ensure that the stand or bracket can support the cabinet safely. The 35mmØ socket has a securing screw at the rear, which should be loosened before mounting onto the pole and tightened to secure the cabinet when mounted.

The cabinets are also fitted with threaded inserts for suspending from a ceiling or trussing. These are covered with plastic domed caps, which should be removed to reveal the threaded insert for fixing hardware to the cabinet, such as eyebolts or brackets. When flying the cabinets at height, it is necessary to include a secondary fixing with drop wire for safety.

Each cabinet has rubber feet on the base for free standing or stacked operation. Ensure that the surface that the cabinet is positioned on is stable and can withstand the weight of the cabinet.

Connections

If a microphone is to be used directly with the CAB speaker, connect via the Mic Input 1 XLR (5) and select MIC on the mic/line level selector switch (4). Alternatively, a line input (e.g. CD, mp3 player or laptop) can be connected to the Input 1 jack socket (6) and the mic/line selector switch set to LINE.

An additional Line input 2 can connect via XLR (14) or dual RCA sockets (13).
Note: Both red and white RCA inputs are summed to mono.

To connect the output of the CAB speaker onto an additional CAB speaker or other active cabinet, there is an XLR line output (12) which can be linked to a line input using a good quality balanced audio XLR cable.

Before connecting to mains power, ensure that the supply voltage at the mains outlet is correct. A covered slide switch (16) can select 110Vac or 230Vac operation to match the supply voltage. Connect mains to the IEC inlet (7) using the power lead provided or an equivalent lead with the same fuse and same or higher current rating.

Operation

Before powering up, turn the Bluetooth Volume, Level 1, Level 2 and Master controls (2, 3, 8, 11) fully down. This will avoid any loud noises or pops when the speaker is activated. High and Low EQ controls (9, 10) should remain at the 12 o'clock position.

Switch mains power on using the on/off rocker switch (15) and the "ON" LED next to the Master volume control will light.

If a microphone is connected to Input 1, firstly take care to keep the microphone pointing away from the front of the speaker, as this can result in feedback. (howling or squealing noise caused by the microphone "hearing" the speaker output)

Turn up the Master volume (11) part way and gradually increase Level 1 (2) whilst speaking into the microphone to check for the sound coming through the speaker.

For a line input connected to either input 1 or 2, again with the Master volume turned up part way, play the audio source (CD, mp3 or other) whilst gradually increasing Level 1 or Level 2 (2, 8) until the audio can be heard through the speaker.

When all wired inputs have been checked, increase the Master to the maximum required volume and adjust Level 1 and Level 2 as needed.

EQ controls

For all inputs to the CAB speaker, there are global High and Low EQ controls (9, 10)

High EQ adjusts the high frequency content of the output (otherwise called “treble”) This affects the detail and intelligibility of the tone.

Low EQ adjusts the low frequency content of the output (otherwise called “bass”) This affects the warmth and depth of the tone.

Each control has no effect in the 12 o'clock position. Turning to the left will cut the affected frequencies and turning to the right will boost the affected frequencies.

Adjust the High and Low controls to suit the type of application, style of music or tonal characteristics of the venue.

Bluetooth Audio

The CAB-10/12/15L cabinets each have an inbuilt Bluetooth receiver for wireless connection from a smart phone or tablet, allowing playback of stored audio tracks.

The Bluetooth pairing button at the top of the rear panel (1) has a blue status LED above it.

Press the pairing button and the LED will flash to indicate that it is in pairing mode (Bluetooth is also normally in pairing mode at power-up). An audible message will also confirm that the CAB unit is in pairing mode.

In pairing mode, open the Bluetooth menu on a smart phone or tablet and search for the speaker model number – e.g. “CAB-10L” - and select to connect. In case there is more than one device in range with the same ID, attempt connection of each in turn until an audible “connected” message is heard from the CAB speaker.

The Bluetooth status LED will stay on constantly when paired.
(note: the status LED may also stay on constantly if there is no pairing for a period of time after power-up to show that pairing mode has ended)

When paired to the smart phone or tablet, playback of audio files on the sending device will be heard through the connected CAB speaker and governed by the Bluetooth Volume control (3)

Bluetooth Link

A key feature of the CAB-10/12/15L cabinets is the Bluetooth link function, which enables 2 cabinets to pair to each other wirelessly for stereo Bluetooth playback.

Note: Only cabinets of the same size can be linked together.
i.e. CAB-10L cannot be linked with CAB-12L or CAB-15L to form a stereo pair

To pair 2 CAB speakers, power both up into pairing mode within wireless range of each other and pairing should be automatic when they detect each other (unless one or both cabinets are already paired to others, in which case, reset Bluetooth pairing by holding down the pairing button for 3 seconds)

When paired, each CAB speaker will confirm with an audible message denoting which is "Left speaker" and "Right speaker".

If a smart phone or tablet is already paired to one of the CAB units, this will be the Right speaker and only the right side of the Bluetooth audio signal will play through the speaker.

The left side will transmit wirelessly and play back through the other paired speaker to give a full stereo image.

For each linked CAB speaker (left or right), the Bluetooth output is still governed by the Bluetooth Volume control.

Any wired inputs are not affected by the Bluetooth link. Any audio from Input 1 or Input 2 will *not* be transmitted wirelessly from one CAB speaker to the other.

Powering down

When not being used, turn down the Master volume control and switch off power to the CAB speaker. Disconnect from the mains supply if not being used for long periods.

Specifications

Model	CAB-10L	CAB-12L	CAB-15L
Power supply	220-240Vac, 50Hz (IEC)		
Housing material	Injection moulded polypropylene		
Amplifier type	Class D + Class AB		
HF driver	35mmØ (1.35") Ti compression driver		
Dispersion	90° x 60°		
Inputs	Mic/Line XLR or jack, Line XLR or RCA, Bluetooth		
Indicators	Power on, Limit & Bluetooth link LEDs		
Line output	XLR		
Freq. response	58Hz - 19kHz	53Hz - 19kHz	46Hz - 19kHz
Output power : rms	220W	300W	350W
Output power peak	880W	1200W	1400W
Max. SPL	132dB	134dB	134dB
Main driver	250mmØ (10")	300mmØ (12")	380mmØ (15")
Voice coil	38mmØ (1.5")	50mmØ (2")	60mmØ (2.36")
Crossover freq.	3.2kHz	2.8kHz	2.6kHz
Dimensions	530 x 310 x 300mm	603 x 355 x 350mm	695 x 420 x 390mm
Weight	11.2kg	14.2kg	17.6kg



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.

Hereby, AVSL Group Ltd. declares that the radio equipment types 178.010UK, 178.012UK and 178.015UK are in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity for 178.010UK is available at the following internet address:
<http://www.avsl.com/assets/exportdoc/1/7/178010UK%20CE.pdf>

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