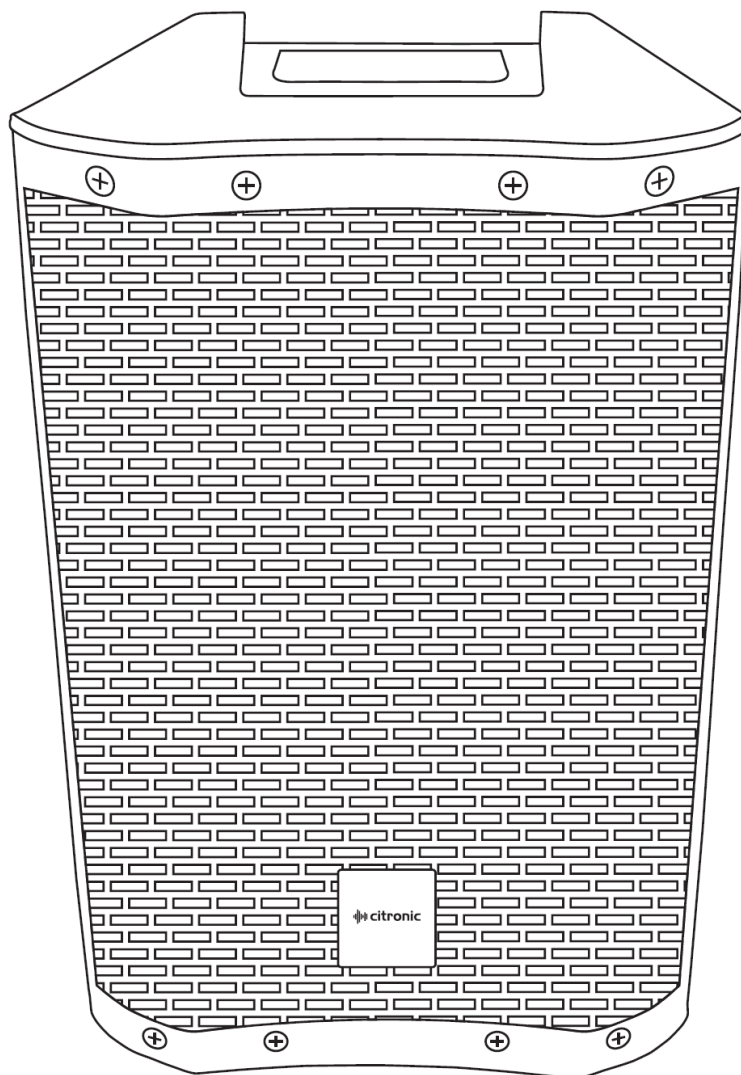


CASA

Active Speaker Cabinets

Item ref: CASA-8A	178.108UK
CASA-10A	178.110UK
CASA-12A	178.112UK
CASA-15A	178.115UK

User Manual



Version 2.0



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

Introduction

Thank you for choosing a CASA active speaker cabinet as part of your sound system. This product is designed to provide flexible, powerful and efficient output for a wide range of sound reinforcement applications. Please read this manual to achieve optimum performance from your speaker cabinet and avoid damage through misuse.

Package Contents

- CASA-series active speaker cabinet
- Mains lead(s)
- User manual

If you find any part 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 replacement or return issues.

Warning

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture. Avoid impact to any of the components. No user serviceable parts inside - refer servicing to qualified service personnel.

Safety

- Please observe the following warning conventions



**CAUTION: RISK OF ELECTRIC SHOCK
DO NOT OPEN**



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

- Ensure that the correct mains lead is used with adequate current rating and mains voltage is as stated on the unit
- Avoid ingress of water or particles into any part of the housing. If liquids are spilled on the cabinet, stop using immediately, allow the unit to dry out and have checked by qualified personnel before further use

 **Warning: this unit must be earthed**

Placement

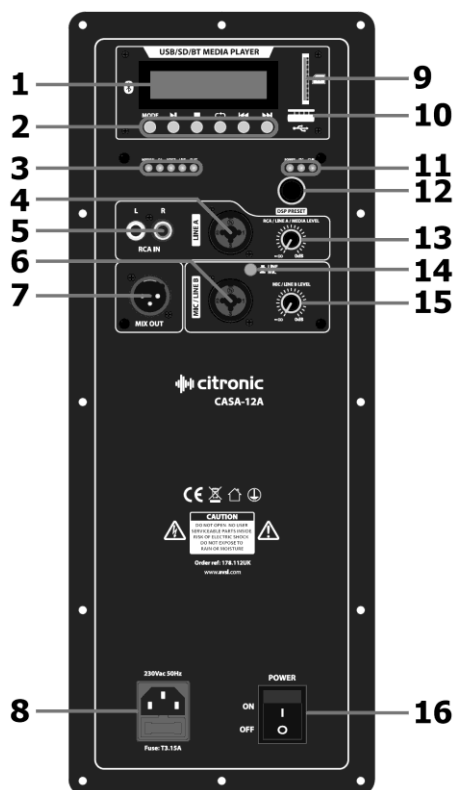
- Keep the electronic parts out of direct sunlight and away from heat sources.
- Position the cabinet on a stable surface or stand that is adequate to support the weight of the product.
- Allow adequate space for cooling and access to controls and connections at the rear of the cabinet.
- Keep the cabinet away from damp or dusty environments.

Cleaning

- Use a soft dry or slightly damp cloth to clean surfaces of the cabinet
- A soft brush can be used to clear debris from controls and connections without damaging them
- To avoid damage, do not use solvents to clean any parts of the cabinet.

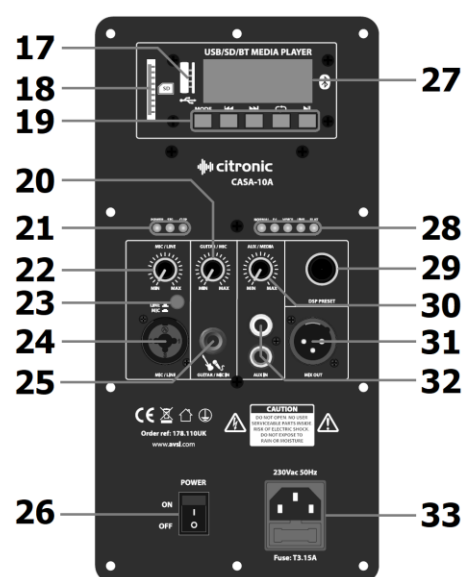
Rear panel layout

CASA-12/15A



1. Media player display
2. Media player controls
3. DSP setting indicator LEDs
4. LINE A input combo Jack/XLR
5. RCA line input (L+R)
6. MIC/LINE B input combo Jack/XLR
7. MIX line output XLR
8. IEC mains inlet & fuse holder
9. SD card slot
10. USB port
11. Amplifier status LEDs
12. DSP rotary selector
13. RCA/LINE A/MEDIA volume control
14. Input B MIC/LINE level selector
15. MIC/LINE B volume control
16. Power on/off switch

CASA-8A / CASA-10A



17. USB port
18. SD card slot
19. Media player controls
20. GUITAR/MIC IN volume control
21. Amplifier status LEDs
22. MIC/LINE volume control
23. MIC/LINE level selector
24. MIC/LINE input combo Jack/XLR
25. GUITAR/MIC IN 6.3mm jack
26. Power on/off switch
27. Media player display
28. DSP setting indicator LEDs
29. DSP rotary selector
30. AUX/MEDIA volume control
31. MIX line output XLR
32. AUX input L+R RCA
33. IEC mains inlet & fuse holder

Setting up

Position your CASA active speaker cabinet(s) on a stable surface capable of supporting the load and vibrations from the cabinet or ideally on a strong 35mmØ pole mount or speaker stand with an adequate safe working load to support the cabinet.

Aim the cabinet towards the audience or listeners and not in direct line of sight with any microphones that are connected to the sound system. This is to avoid feedback (howling or squealing caused by the microphone "hearing" itself amplified)

If a mixing console is being used to control input sources, connect the output of the mixer to the CASA cabinet LINE input (4) or MIC/LINE (6, 24) with "LINE" switch selected (14, 23) using XLR or 6.3mm jack connectors. If the system is in stereo, then usually one CASA cabinet will serve the right-side output and another for the left-side output. Normally, the volume of the CASA cabinet LINE input is turned up high and the output will be controlled at the mixer.

For CASA-8A and CASA-10A models, a further input is provided for connecting an additional microphone or instrument (e.g. guitar) to a 6.3mm jack input (25)

If a playback device (e.g. mp3 or CD player) is to be connected directly to the CASA cabinet, this is usually connected to the CASA cabinet AUX input via L+R RCA connectors (5, 32)

If the inputs to the CASA speaker cabinet are to be linked onto a further active cabinet or amplifier, the mix of all MIC/LINE/GUITAR/AUX inputs can be fed from the MIX OUT line output XLR to further equipment (7, 31)

When all necessary connections are made, finally connect the supplied IEC power cable (or equivalent) from the mains power supply to the IEC power inlet on the CASA speaker cabinet, ensuring that the supply voltage is as indicated on the CASA speaker unit (8, 33)

Operation

With all volume controls turned fully down, switch on the power to the CASA speaker cabinet. The media player display will light up (1, 27), and a status LED will show that power is on (11, 21)

If a mixer is connected to the CASA speaker unit, ensure a signal is present, turn up the mixer output part way and gradually increase the volume of the input that the mixer is connected to for checking the output from the CASA speaker. If the sound is present and OK, turn down the mixer and turn up the CASA speaker to the maximum required output and control the volume from the mixer.

The "SIG" LED will light to show when a signal is present, and a "CLIP" LED should only light briefly on the loudest beats or transients. If this LED lights more continuously, it will be necessary to turn the volume control(s) down to avoid overload (11, 21)







If a microphone is connected directly to the CASA speaker unit instead of a mixer, speak into the microphone whilst gradually increasing the volume of the MIC input until the required sound level is reached.

For playback devices, with a track playing and the playback device volume turned up part way, gradually increase the volume of the AUX or LINE input that the playback device is connected to so that the output can be checked and increase to the required output level.

The CASA active cabinets have an inbuilt DSP which has 5 optimal settings for different types of input or audio program material: Normal / DJ / Voice / Live / Flat. Although quite self-explanatory, it is worth experimenting with each profile to find the ideal EQ and tone response for each application. Simply turn the DSP rotary selector (12, 29) and the DSP setting indicator LEDs (3, 28) show which setting is active.

Media player

CASA active cabinets each have a media player section at the top of the rear control panel. The output of the media player is controlled by the RCA/LINE A/ MEDIA volume control (13) or AUX/MEDIA volume control (30) Six buttons beneath the display control the media player, as described below.

	MODE	Select USB or SD audio playback or Bluetooth wireless connection modes.
	PLAY/PAUSE	Play/Pause current track
	STOP	Stop current track & return to start
	REPEAT	Select repeat mode: ONE (current track), RDO (random), ALL (all tracks)
	PREVIOUS	Previous track
	NEXT	Next track

To play an audio (mp3 or wav) track from USB or SD media, simply turn up the MEDIA volume control and insert the USB or SD card into the relevant slot at the side of the display. If playback does not begin automatically, press the Play/Pause button or remove the USB or SD device and check the stored files are the correct format before re-inserting the device.

Pressing the Mode button will toggle between USB and SD media (if both are inserted) and Bluetooth wireless connection. To connect a smart phone or other Bluetooth host device, press MODE to select the Bluetooth mode on the media player. The display will flash "BLUE" to indicate pairing mode. Enable Bluetooth on the smart phone and search for "CASA-8A", "CASA-10A", "CASA-12A" or CASA-15A in the Bluetooth menu.

Select this ID and the sending device should pair with the media player in the CASA speaker unit. When connected, the display will stop flashing. Turn up the MEDIA volume control part way and any audio playback from the sending device should be heard through the CASA speaker cabinet. Ensure that the sending device's own volume control is not turned down.

If pairing is unsuccessful or doesn't result in playback through the CASA speaker unit, check that the correct Bluetooth device ID has been selected and paired successfully and that no other CASA units are set to Bluetooth mode within wireless range (5 - 10m) that the sending device might have connected to.

A matching pair of CASA active cabinets can be set to operate together in True Wireless Stereo (TWS) mode. This means that Bluetooth is streamed wirelessly to one cabinet and relayed onto the other as a stereo pair. Both units must be the exact same model (i.e. CASA-8A, CASA-10A, CASA-12A, or CASA-15A)

Keep the first CASA active cabinet switched on and paired with the smart phone in Bluetooth mode. Power up the second cabinet and press the MODE button to select Bluetooth, then hold the MODE button. After holding for a few seconds, the display will show "Bt" on both cabinets and the audio will appear as left & right stereo through each speaker. (NOTE: TWS is ONLY for Bluetooth, and does not transmit other inputs)

For USB/SD or Bluetooth modes, the playback controls work in a similar way:

PLAY/PAUSE will play or pause the selected track.

STOP will stop the selected track and return to the start.

REPEAT will repeat the selected track, play all tracks in a random order or repeat all tracks in order.

PREVIOUS will go back to the previous track

NEXT will step forward to the next track

Before powering down the CASA speaker unit, turn down all volume controls to avoid loud noises. If not being used for long periods, disconnect from the mains power supply.

Specifications

Model	CASA-8A	CASA-10A	CASA-12A	CASA-15A
Main driver	200mmØ (8")	250mmØ (10")	300mmØ (12")	380mmØ (12")
Voice coil	50mmØ (2")	50mmØ (2")	75mmØ (2.5")	75mmØ (2.5")
Power: rms	200W	220W	280W	350W
Power: max.	400W	440W	600W	700W
Power: peak	800W	880W	1120W	1400W
Sensitivity	94dB	94dB	96dB	97dB
Dimensions	435 x 278 x 245mm	500 x 310 x 260mm	610 x 375 x 340mm	705 x 430 x 375mm
Weight	8.71kg	10.27kg	15.98kg	22.00kg
HF driver	25mm (1") Ti compression driver		35mm (1.35") Ti CD	44mm (1.75") Ti CD
Inputs	XLR/jack, 6.3mm jack, RCA		XLR/jack mic/line, XLR/jack/RCA line	
Power supply	230Vac, 50Hz (IEC)			
Audio source	USB/SD player + Bluetooth receiver			
Line output	XLR			
DSP settings	Normal, DJ, Voice, Live, Flat			



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.

Hereby, AVSL Group Ltd. declares that the radio equipment type 178.108UK, 178.110UK, 178.112UK and 178.115UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity for 178.108UK is available at the following internet address: <http://www.avsl.com/assets/exportdoc/1/7/178108UK%20CE.pdf>

The full text of the EU declaration of conformity for 178.110UK is available at the following internet address: <http://www.avsl.com/assets/exportdoc/1/7/178110UK%20CE.pdf>

The full text of the EU declaration of conformity for 178.112UK is available at the following internet address: <http://www.avsl.com/assets/exportdoc/1/7/178112UK%20CE.pdf>

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