

MONOLITH mk3

Active Sub + Column Array

Item ref: 171.237UK

User Manual



Version 1.0



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

Introduction

Thank you for choosing the MONOLITH mk3 active sub + column array with inbuilt media player. This product is designed to provide medium to high power 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

- MONOLITH mk3 active sub cabinet
- MONOLITH mk3 column speaker
- Adjustable 35mmØ mounting pole
- SPK-SPK link lead
- IEC power lead

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**

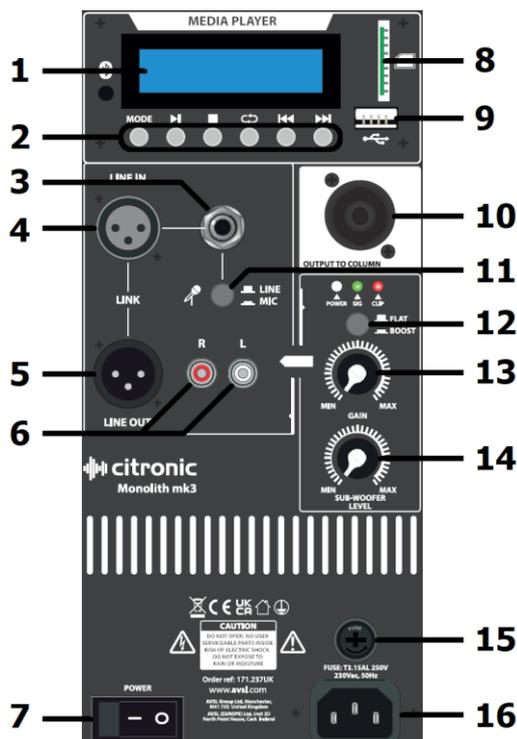
Placement

- 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



1. Media player display
2. Media player controls
3. Line in 6.3mm jack
4. Line in XLR socket
5. MIX OUT line output XLR
6. Line in L+R RCA sockets
7. POWER on/off switch
8. SD card slot
9. USB port
10. Column speaker output SPK socket
11. MIC/LINE level switch (for Jack/XLR)
12. FLAT/BOOST switch
13. Master GAIN control
14. SUBWOOFER LEVEL control
15. Mains fuse holder
16. IEC power inlet

Setting up

Position your Monolith mk3 sub cabinet on a stable surface capable of supporting the weight and vibrations from the cabinet. Insert the supplied 35mm pole into the mounting socket on top of the sub cabinet and mount the column speaker onto the pole at the desired height adjustment.

Connect the speaker output from the Monolith mk3 sub cabinet (10) to the column speaker input using the supplied SPK-SPK lead.

Aim the sub and column towards the audience or listeners and not in direct line of sight with any microphones that are fed into the Monolith mk3 to avoid feedback (howling or squealing caused by the mic "hearing" itself)

Connect the input signal for the Monolith mk3 to either the XLR, 6.3mm jack or L+R RCA sockets on the rear panel (4, 3, 6). If the input signal is a microphone or at low impedance mic level, use the XLR or 6.3mm jack and press in the MIC/LINE level switch (11). For standard LINE level input, keep this switch at the OUT position.

The Monolith mk3 has a FLAT/BOOST switch (12) which, when pressed in, engages a gain boost for the lower frequencies to enhance the bass output. Set this to BOOST if a more prominent bass output is needed.

connect the supplied IEC power lead to the mains power inlet (16)

If the signal into to the Monolith mk3 cabinet (and the internal media player) is to be linked onto a further Monolith or other active PA speaker, the signal can be fed from the MIX OUT line output XLR to further equipment (5)

When all necessary connections are made, set the GAIN and SUBWOOFER LEVEL controls (13, 14) to MIN and connect the supplied IEC power cable (or equivalent) from the mains power supply to the Monolith mk3 power inlet (16), ensuring the correct supply voltage.

Operation

Whilst playing a line input signal into the Monolith mk3 (or speaking into a connected microphone), gradually increase the GAIN control (13) until the sound output can be heard and then gradually increase to the required volume level.

Increase the SUBWOOFER LEVEL control to introduce sub-bass frequencies to the output to the desired level. More sub-bass may be needed for music playback than it would for speech alone.

If even more bass output is needed (e.g., for dance or rock music), press in the FLAT/BOOST switch (12) to apply a bass boost to the signal and this will add more bass frequencies to the overall output.

The initial testing of the system can also be performed in the same way from USB or SD playback or from a Bluetooth audio stream. Read the following section for instructions on how to operate the media player to use it as a playback source.

Media player

The Monolith mk3 has an internal media player, which can play back mp3 or wma tracks stored on SD card or USB flash drive. The media player can also receive Bluetooth wireless audio from a smart phone.

NOTE: The USB port is for flash drives only. Do not try to charge a smart phone from this port.

On power-up, the media player will display "No Source" if no USB or SD media are present. Insert a USB flash drive or SD card with mp3 or wma audio tracks stored on the device and playback should begin automatically. The SD card should be no larger than 32GB and formatted to FAT32.

Pressing the MODE button will step through USB – SD – Bluetooth modes when pressed. The other playback buttons are listed below, with control over play, pause, stop, previous and next track. There is also a Repeat button to choose between repeating the current track or all tracks in the directory.

MODE	Steps through USB – SD card – Bluetooth
▶	Play/Pause current track
■	Stop playback (return to start)
↺	Repeat mode – single track or all tracks
⏮	Previous track
⏭	Next track

Bluetooth

To play tracks wirelessly from a smart phone (or other Bluetooth device), press the MODE button until the display shows "Bluetooth unconnected". In the smart phone Bluetooth menu, search for a Bluetooth device with the ID name "Monolith" and select to pair.

The smart phone may prompt you to accept pairing to the Monolith and when accepted, the smart phone will pair with the Monolith mk3 and connect as a wireless sending device. At this point, the Monolith media player display will show "Bluetooth connected" to confirm this.

Playback of audio on the smart phone will now be played through the Monolith mk3 and the playback controls on the Monolith media player will also wirelessly control playback from the smart phone. Switching MODE to playback from a USB or SD memory device will also disconnect the Bluetooth connection.

When the Monolith mk3 is not in use, turn down the GAIN and SUBWOOFER LEVEL controls (13, 14)

Specifications

Power supply	230Vac, 50Hz (IEC)
Fuse	T3.15AL 250V (5 x 20mm)
Construction	15mm MDF with texture polyurea coating
Output power: rms	400W + 100W
Output power: max.	1000W
Audio source	Internal USB/SD/BT player
Input	Switchable Mic (XLR/Jack) or Line (Jack/RCA)
Controls	Gain, Sub-woofer level, Sub Boost switch, Mic/Line switch
Outputs	Speaker out (SPK) to column, Line out (XLR)
Sub driver	1 x 300mmØ (12")
Column drivers	4 x 100mmØ (4") Ferrite, 1 x 25mmØ (1") Neodymium
Sensitivity	103dB
Frequency response	35Hz - 20kHz
Dimensions: sub cabinet	480 x 450 x 380mm
Weight: sub cabinet	20.0kg
Dimensions: column	580 x 140 x 115mm
Weight: column	5.6kg



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 171.237UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity for 171.237UK is available at the following internet address:

<http://www.avsl.com/assets/exportdoc/1/7/171237UK%20CE.pdf>

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