

QUEST series

Active PA Cabinets

Order ref: 178.510UK, 178.512UK, 178.515UK

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 QUEST series active PA cabinet. This speaker unit is designed to provide a flexible solution for sound amplification in public places and live sound venues with the added convenience of portability.

Package Contents

Please check the contents to ensure that the product has been received in good condition. If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once.

- QUEST series active cabinet
- I.R. remote control handset
- 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 packaging and proof of purchase for any possible replacement or returned demand.

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture. 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, check the supply voltage is correct and the IEC mains lead is OK. Avoid ingress of water or particles into the enclosure. If the internal IEC fuse blows, refer the unit to qualified service personnel.

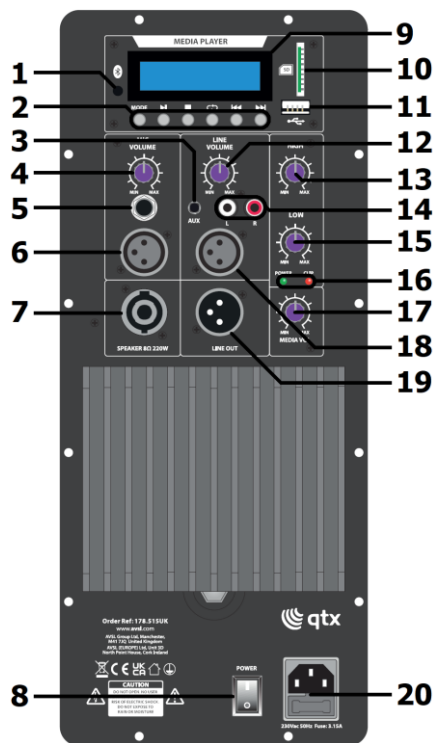
Placement

Keep the unit out of direct sunlight and away from heat sources. Place the unit in an upright position during use and storage. Keep the unit away from moisture 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.

Control panel



- 1 I.R. remote control receiver
- 2 Media player controls
- 3 3.5mm AUX input
- 4 Microphone input volume control
- 5 Microphone input 6.3mm jack
- 6 Microphone input XLR
- 7 Optional 8Ω speaker output
- 8 Power on/off switch
- 9 Media player display
- 10 SD card slot
- 11 USB port
- 12 Line/Aux input volume control
- 13 High EQ control
- 14 Line input 2 x RCA
- 15 Low EQ control
- 16 Power on and Clip LED indicators
- 17 Media player volume control
- 18 Line input XLR
- 19 Line output XLR (mix of all inputs)
- 20 IEC power inlet & fuse holder

NOTE: QUEST-10A connections and controls are arranged differently.

Connections

If a microphone is to be used directly with the QUEST active cabinet, this may be connected to either the 6.3mm jack or XLR input (5, 6) on the rear panel. (6.3mm jack only for QUEST-10A)

For a line level input, this may be connected by RCA (14) or XLR (18)
 QUEST-12A and QUEST-15A also have this input via 3.5mm mini jack (3).

Each QUEST active cabinet is capable of sharing its output with a passive cabinet for a 2-speaker system. Ensure that the passive speaker is 8Ω and can handle the stated output (W). Connect the passive cabinet with a Speakon lead from the rear panel speaker output (7).

If additional active cabinets are to be used, the signal from the QUEST active cabinet can be linked from the Line Out XLR, which carries a mix of all inputs (Mic, Line In & Media player).

With power switched off (8), use the IEC lead provided to connect to the 230Vac supply (20).

Operation

Start with Microphone, Line in and Media volume controls (4, 12, 17) turned fully down and High (Treble) and Low (Bass) EQ controls (13, 15) at the vertical or 12 o'clock position.

Switch on the power (8) and check the output using either the Mic, Line in or Media player.

To check with a microphone, speak into the microphone whilst gradually increasing the microphone volume control (4) and continuing to the required level, whilst checking that the CLIP LED (16) does not light any more than very briefly on the loudest peaks of the sound. If the CLIP lights more continuously than this, the level control(s) needs to be turned down.

Note: point microphone(s) away from the speaker output to avoid feedback (loud howling or squealing caused by the microphone "hearing" its own output through the speakers)

To use the line input for checking, play a signal from the audio source connected to the line input and gradually increase the line volume control (12) and continue to the required level. Again, check that the CLIP LED does not light continuously and reduce volume if this happens.

Adjust the High (Treble) EQ (13) up or down to boost or cut the treble content.

Adjust the Low (Bass) EQ (15) up or down to boost or cut the bass. 12 o'clock is neutral.

Media player

Each QUEST series active cabinet has an inbuilt media player, which is operated by a row of controls with a display at the top of the rear panel.



Pressing the MODE button will step through the options for USB, SD, FM tuner and Bluetooth. During playback, gradually increase the Line or Media Vol. control (17) to the required level.

The media player can play standard mp3 or wma audio tracks from USB or SD card media. Ensure that the USB or SD media are no larger than 32GB and formatted to FAT32 for the QUEST media player to be able to recognize the device.

Warning: do not attempt to charge a mobile phone or other device from the USB port, as this can cause damage to the media player.

Inserting a USB stick or SD card will automatically start playback of mp3 or wma tracks that are stored on the device. If this does not happen, press MODE until the display shows USB or SD media with the track and time information and press play/pause (▶ ||). If still no playback, check the device formatting and the files that are stored on it are standard mp3 or wma type.

Pressing the ▶ || button will play or pause the current track and the ◀◀ and ▶▶ buttons will navigate to previous or next tracks. Pressing the ■ button will stop playback completely.

The ↺ button will set the repeat mode to replay the SINGLE current track, all tracks in a FOLDER, all tracks at RANDOM or ALL tracks on the storage device, as shown on the display.

The inbuilt media player can tune to FM radio stations by pressing the MODE button until the display shows "Radio" and a frequency in MHz. The radio stations may be tuned by pressing the play/pause (▶ ||) button, which will initiate auto-tuning and store the stations with the strongest reception into memory as presets. These can then be selected using ◀◀ and ▶▶.

The QUEST media player can also pair with a smart phone or tablet via Bluetooth® for wireless streaming of audio files stored on the sending device. Press the MODE button until the display shows "Bluetooth... Unconnected".

In the Bluetooth menu of the smart phone or tablet, search in the list for a device called "QUEST-***A" (where "***" is the speaker size). Select to pair with the QUEST active cabinet and once pairing is successful, the display will show "Connected" and any tracks played on the smart phone or tablet will then be heard through the QUEST active cabinet via its media player, again governed by the MEDIA VOL or LINE VOL control.

Remote control (QUEST-12A & QUEST-15A only)

QUEST-12A and QUEST-15A are supplied with a remote-control handset for the media player. Remove the clear plastic tab from the bottom to activate the CR2025 battery and aim towards the I.R. remote control receiver (1) on the rear panel. Controls are similar to the rear panel buttons and are described opposite.



- Media player standby / on
- Stop playback
- Mute playback
- MODE select
- Repeat mode
- EQ setting
- Previous / Next track or station
- Volume down / up
- Numerical track select

Specifications

Model	QUEST-10A	QUEST-12A	QUEST-15A
Power supply	230Vac, 50Hz (IEC)		
Amplifier: construction	Class-AB		
Audio source	USB/SD/FM/BT media player		
Sensitivity	94dB	96dB	97dB
Frequency response	55Hz - 19kHz	50Hz - 19kHz	45Hz - 19kHz
Woofers	250mmØ (10")	300mmØ (12")	380mmØ (15")
Tweeter	25mmØ Ti Comp driver	35mmØ Ti Comp driver	35mmØ Ti Comp driver
Output power: peak	600W	720W	880W
Output power: rms	150W	180W	220W
Dimensions	460 x 305 x 280mm	590 x 380 x 335mm	680 x 415 x 380mm
Weight	10.2kg	15.2kg	19.0kg



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 types 178.510UK, 178.512UK and 178.515UK are in compliance with

[Directive 2014/53/EU](#)

The full text of the EU declaration of conformity for 178.515UK is available at the following internet address:

<http://www.avsl.com/assets/exportdoc/1/7/178515UK%20CE.pdf>

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