

# **QX12AV, QX15AV**

## Active Speakers with VHF

Order ref: QX12AV (178.612)  
QX15AV (178.615)

User Manual



VERSION 1.

## Introduction

Thank you for choosing this QXAV series active cabinet. Please read this manual prior to use to avoid damage through misuse. This compact and powerful active speaker has dual VHF receivers with a handheld transmitter and bodypack transmitter for use as a single wireless unit or as part of a VHF array for conferences and other events.

## Package Contents

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

- QXAV active speaker
- IEC mains power lead(s)
- 1 x VHF handheld microphone
- 1 x VHF bodypack transmitter & 3.5mm aux lead
- 2 x 9V battery (PP3)

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 replacement or returned demand.

## 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 the mains lead is in good condition. If the mains fuse blows, refer the unit to qualified service personnel  
If the VHF microphones are to be unused for a long period of time, remove the batteries

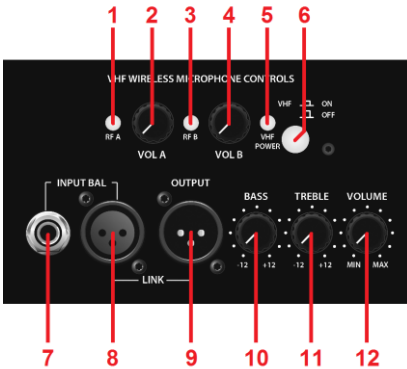
## Placement

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.

## Rear Panel



1. RF indicator Ch. A
2. Volume control Ch. A
3. RF indicator Ch. B
4. Volume control Ch. B
5. VHF system power indicator
6. VHF system on/off switch
7. 6.3mm jack line input
8. XLR line input
9. XLRM line output
10. Bass EQ control
11. Treble EQ control
12. Master volume control

## Operation

Connect the QR-series portable PA unit to the mains using the appropriate mains IEC lead supplied. With the VOLUME controls down (anti-clockwise), turn the POWER switch on. BASS and TREBLE controls should remain pointing vertically (12-o'clock position).

A 6.3mm jack or XLR line input is provided to connect a line input. This can accept balanced or unbalanced line level signal. Tone shaping is available by adjusting the BASS and TREBLE controls and master level is governed by the VOLUME rotary control.

A line level output can be used to link onto other equipment via the OUTPUT XLR connector. Ensure that volume controls are turned down before powering down and unplug from the mains when not in use for long periods.

## VHF Wireless Microphones

Insert the supplied 9V battery into the handheld microphone by carefully unscrewing the base and connecting the "+" and "-" terminals of the battery to the corresponding clips inside the microphone body, taking care to observe the correct polarity. Slide open the bodypack and insert the supplied 9V battery, again observing the correct polarity.

Connect the threaded end of the supplied 3.5mm jack lead to the bodypack transmitter and the other (stereo) connector to a playback device or other line output source. If preferred, the bodypack may be used with an appropriate lavalier or neckband microphone, such as 171.855UK, 171.856UK or 171.857UK.

With the VOL A and VOL B controls turned down, press the VHF ON/OFF button in so that the VHF POWER LED lights. Switch on each wireless transmitter in turn – the RF LEDs should light as a result. If the LED on the transmitter lights dimly, change the battery.

Note: the switch on each transmitter has a midway MUTE position, switch fully on for testing

Gradually increase VOL control of the handheld unit, testing for output through the speaker. Take care not to incur "feedback" (howling or screeching sound through the speaker) by keeping the microphone a sensible distance from the speaker and pointing away from the speaker so that it doesn't "hear" the speaker output.

Repeat the process for the bodypack transmitter, ensuring that the level control on the bodypack is turned up and there is a signal playing through it. When not in use, switch the wireless microphones off.

## Specifications

|                     | <b>QX12AV</b>                         | <b>QX15AV</b>     |
|---------------------|---------------------------------------|-------------------|
| Power supply        | 220-240Vac 50/60Hz                    |                   |
| Main driver         | 300mm (12")                           | 380mm (15")       |
| HF unit             | 25mm (1") titanium compression driver |                   |
| VHF mic frequencies | 174.1MHz + 175.0MHz                   |                   |
| Output power RMS    | 200W                                  | 250W              |
| Output power Max    | 400W                                  | 500W              |
| Dimensions          | 350 x 565 x 325mm                     | 430 x 680 x 370mm |
| Weight              | 13.2kg                                | 17.8kg            |

## Troubleshooting

|   |   |
|---|---|
| No output and no LEDs lit                       | Check POWER switch is on                                      |
|   | Check mains lead is connected                                 |
|   | Check mains fuse hasn't blown                                 |
| Power LED lit but no VHF output                 | Check 9V batteries in wireless transmitters                   |
|   | Check wireless transmitters are switched on                   |
|   | Check VHF POWER is switched on                                |
|   | Check MIC VOLUME is not turned down                           |
|   | Check RF A and RF B LEDs for radio signal                     |
| Power LED lit but no sound from external inputs | Check leads are OK and connected properly                     |
|   | Check volume and on/off switch on external mic or line source |
|   | Check VOLUME control is not fully down                        |

## DISPOSAL:



Please dispose of the unserviceable device according to the current statutory requirement

*Errors and omissions excepted.  
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