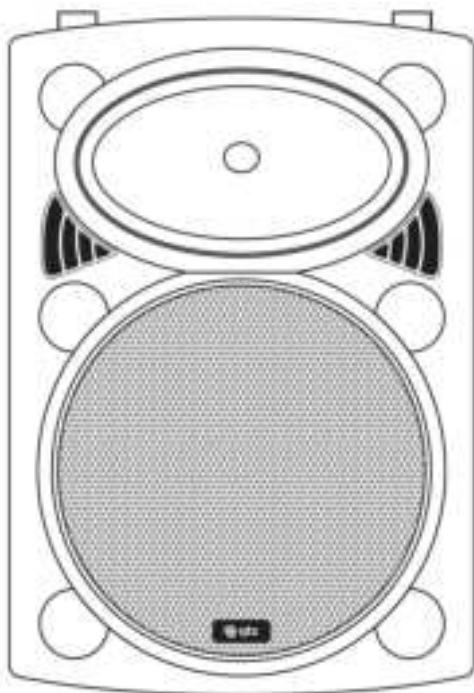


QRPA

Portable PA Units

Order ref: QR8PA (178.809UK)
 QR10PA (178.811UK)
 QR12PA (178.813UK)
 QR15PA (178.816UK)
 User Manual



VERSION 5.1



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

Introduction

Thank you for choosing the QR series portable PA unit. Please read this manual prior to use to avoid damage to the item.

This versatile portable PA unit is packed with features in a compact, manageable enclosure and is suitable for a wide array of applications ranging from public address for presentations to outdoor karaoke.

Package Contents

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

- QRPA portable PA unit
- UHF handheld microphone (2 for QR12PA and QR15PA)
- Mains power lead (with DC in-line adaptor for QR8PA and QR10PA)
- IR Remote control for media player

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. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer any service issues to qualified service personnel.

Safety

Prior to connecting mains, ensure that the supply voltage is correct and the mains lead is in good condition.

Avoid ingress of water or particles into the enclosure.

If the mains or D.C. 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 and store for later use.

Placement

Keep the unit out of direct sunlight and away from heat sources.

Place the unit in an upright position during use and storage.

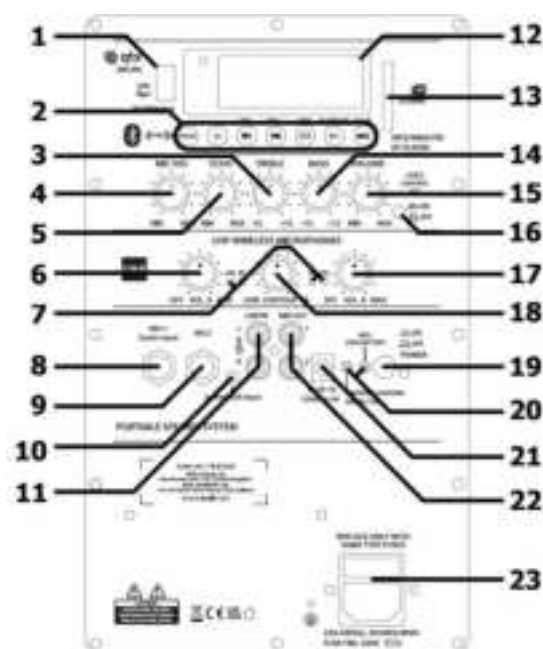
Keep the unit away from moisture or dusty environments.

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 Layout



1. USB input
2. Media player mode/transport controls
3. TREBLE EQ control
4. Mic volume control
5. Microphone ECHO level control
6. UHF wireless mic A volume control
7. UHF power and RF indicators
8. MIC.1/Guitar input - 6.3mm jack
9. MIC.2 input - 6.3mm jack
10. 3.5mm AUX line input
11. RCA line input
12. Media player LCD display
13. SD card slot
14. BASS EQ control
15. Music VOLUME control
16. Voice Override Switch
17. UHF wireless mic B volume control (not QR8PA or QR10PA)
18. UHF mic tone CONTOUR control
19. Power on/off switch
20. Power / charging indicators
21. External 12-15Vdc power input
22. RCA line output (mix of all inputs)
23. IEC mains inlet & fuse holder (not QR8PA or QR10PA)

Connection

Your new QTX QR-series portable PA unit may arrive with you with the internal battery charged. Before connecting to the mains, switch the unit on and check the POWER LED. If it is green, there is charge in the battery. If it is red, then you will need to charge the battery before using away from a mains supply (see **"Charging the battery"** below)

Connect the QR-series portable PA unit to the mains (23) using the appropriate mains IEC lead supplied. You can otherwise opt to connect the DC input (21) at the rear to an external 12-15Vdc supply, such as a car battery, or use the internal battery if charged.

Power Up

Turn the VOLUME, ECHO and MIC VOLUME controls (15, 5, 4) down (anti-clockwise) and press the POWER switch (19) on (the power LED should light). BASS and TREBLE controls (14, 3) should remain pointing vertically (12-o'clock position). Switch Voice-Controlled Volume off (16). Turn UHF A and B volume controls (6, 17) fully down. Your QR-series PA unit should now be ready to operate.

UHF Wireless Microphones

Insert the supplied AA batteries into the handheld microphones by carefully unscrewing the base of each and connecting the "+" and "-" terminals or the battery to the corresponding clips inside the microphone body, taking care to observe the correct polarity.

Gradually turning up each UHF VOL control (6, 17) switches the receivers on and increases the output level of each wireless microphone. The "ON" LEDs will light (7)

Switch on each wireless mic in turn – the RF LEDs should light as a result.

If the LED on the transmitter lights dimly, change the battery.

Gradually increase the VOL controls, testing each mic in turn 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.

Turning the ECHO control (5) clockwise introduces a pre-set echo function for singing and special effects. The CONTOUR control (18) varies the tone of the UHF mics between a low frequency or high frequency emphasis.

When not in use, switch the wireless microphones off.

External Inputs

In addition to the unit's own UHF microphones, 6.3mm jack inputs are provided to connect external wired or wireless microphones, which are both governed by the MIC VOL control (4)

If required, the music level can be automatically muted when speaking into a microphone by switching the VOICE CONTROLLED VOLUME on (16).

Also, twin RCA (11) and 3.5mm stereo jack (10) inputs are provided for line input sources such as CD player or mp3 player. To use these, set the MODE switch on the media player to Line In. Since the QRPA is a single speaker, any stereo signals into these inputs will be summed to mono.

Adjacent to this twin RCA input is a twin RCA line output (22) carrying the overall main mix.

The AUX is governed by the VOLUME control (15) at the top of the panel.

Internal media player

The QRPA has an inbuilt player with USB/SD playback, FM tuner, TWS Bluetooth & Line input. Panel controls are detailed below...



MODE	Switches music input between USB/SD player, FM tuner, Bluetooth & Line in
EQ	Steps through preset tone equalization profiles for playback
◀ / VOL-	Momentary press for previous track / hold to decrease volume
▶ / VOL+	Momentary press for next track / hold to increase volume
TWS	Momentary press to select the repeat mode / hold to link True Wireless Stereo
PLAYBACK	Press to Record to USD or SD card. Hold to playback recorded material.
▶ 	Play / pause track. Hold to scan FM channels

Note: EQ and REC buttons are not present on QR8PA

Insert a USB memory stick or an SD card with mp3 or wma media stored on it into the relevant slot on the rear panel.

If the LCD display shows Line In, Bluetooth or an FM frequency, press the MODE button and check that the LCD display shows that media is being read from the USB or SD device. If not, press the ▶ || button or try removing and re-inserting the memory device. Increasing the VOLUME control should result in the media being played through the speaker.

In FM tuner mode, the display will show the frequency of the current station is shown.

Pressing and holding the ▶ || button for 3 seconds initiates auto-tuning, which stores all the strongest detected FM radio stations into internal memories. The stored preset stations can then be navigated using the ◀ and ▶ buttons.

To pair a smart phone with the QRPA unit wirelessly, open the Bluetooth menu on the smart phone and press the MODE button to select Bluetooth mode. Search for "PA-SYSTEM" in the smart phone's Bluetooth nearby devices and select to pair.

The Bluetooth receiver can also be set to pair via TWS (true wireless stereo) by holding the TWS button for 3 seconds.

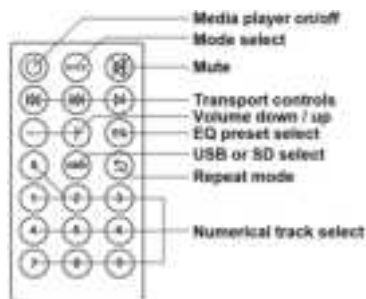
When QRPA units are both set to TWS pairing mode, they will form a wireless stereo pair (for Bluetooth playback only) and left and right channels of audio streamed from the smart phone will appear on separate QRPA units.

The QRPA unit that was originally paired with the smart phone will play the left channel, and the other QRPA will play the right channel.

Remote control

In addition to the panel controls, an infra-red remote control is provided for the media player which adds some further functions to allow greater control over the media player.

To operate the remote, remove the clear plastic tab from the remote to activate the battery.



Charging the battery

When not in use but connected to the mains, if the POWER switch is in the *off* position, the internal battery will be re-charged from the mains supply. When charging, the CHARGE LED which will light orange when charging. When fully charged, the CHARGE LED will light green.

Note: it is recommended to store the QRPA unit at an ambient temperature and not with the battery fully discharged.

Specifications

Model	QR8PA	QR10PA	QR12PA	QR15PA
Power supply	220-240Vac 50/60Hz / external 12Vdc / internal battery			
Main driver	20cm (8")	25cm (10")	30cm (12")	38cm (15")
HF unit	2.5cm (1") titanium compression driver			
UHF freq(s)	863.8MHz		863.8MHz + 864.8MHz	
Output power	50Wmax	80Wmax	50W + 50W (LF + HF) max	
Battery life	Up to 8 hours			
Dimensions	400 x 290 x 230mm	470 x 320 x 270mm	570 x 350 x 310mm	685 x 440 x 380mm
Weight	9.1ka	10.1ka	14.0ka	18.4ka



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 178.809UK, 178.811UK, 178.813UK and 178.816UK are in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity for 178.809UK is available at the following internet address: <http://www.avsl.com/assets/exporthdoc/1/7/178809UK%20CE.pdf>

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