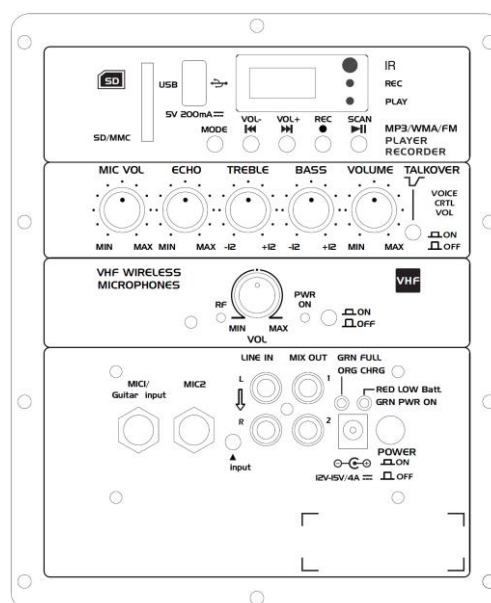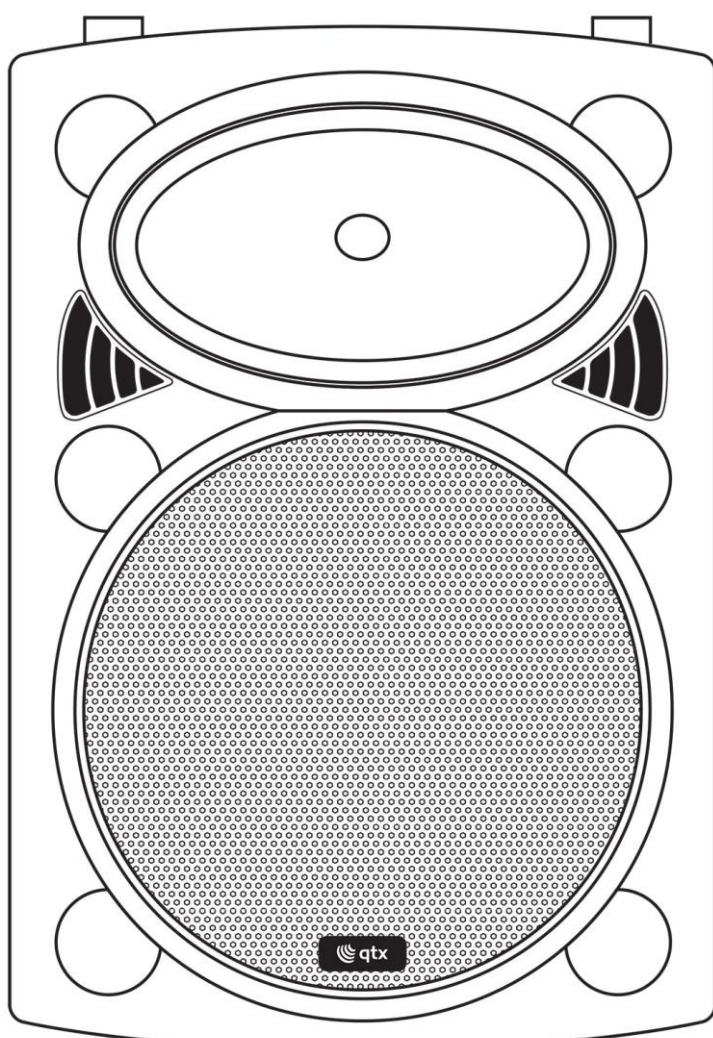# QR10PA

Portable PA

Item ref: 178.840UK

User Manual

Version 2.1

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

Introduction

Thank you for choosing the QR10PA 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.

- 15Vdc power adapter with IEC input
- Internal 12V rechargeable battery
- VHF neckband microphone included
- Guitar / Microphone inputs (6.3mm jack)
- Master 2 band EQ and Echo effect for microphones
- Internal USB/SD/FM media player with record function
- VCV mic override function
- Wireless remote control for media player
- Integral trolley with telescopic handle
- Integral 35mm pole mount
- AUX line input

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

- QR10PA portable PA unit
- Neckband microphone
- VHF beltpack transmitter
- 15Vdc power adaptor and IEC mains lead
- IR Remote control for media player
- User manual

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 servicing to qualified service personnel.

Safety

Prior to connecting mains adapter, 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 internal fuse blows, refer the unit to qualified service personnel
If the VHF microphone is to be unused for a long period of time, remove the battery and store for later use.

Placement

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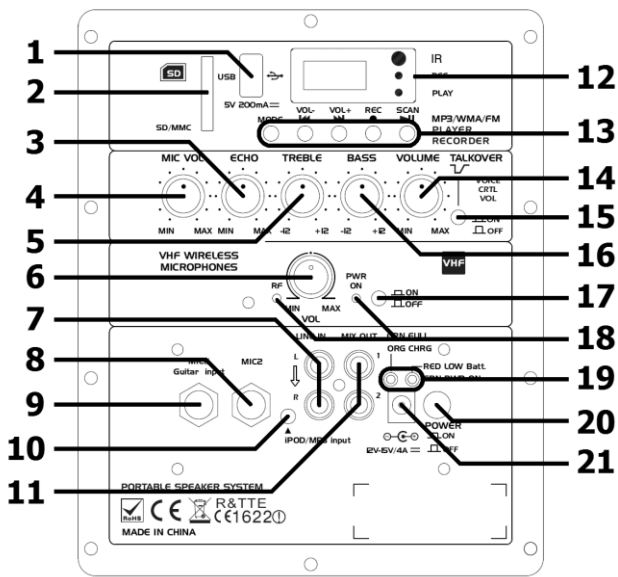Place the unit in an upright position during use and storage.
Keep the unit away from moisture or dusty environments.

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.

Control panel

1	USB port
2	SD/MMC card slot
3	ECHO level
4	Wired MIC volume
5	TREBLE EQ
6	VHF Mic volume
7	LINE IN 2 x RCA
8	Wired MIC.2 input 6.3mm jack
9	Wired MIC.1 / guitar input 6.3mm jack
10	Smart phone / aux input stereo 3.5mm jack
11	MIX OUT line output 2 x RCA
12	Media player LCD display & IR receiver
13	Media player mode & transport controls
14	Main volume
15	VCV talkover on/off
16	BASS EQ
17	VHF wireless receiver on/off
18	VHF wireless receiver power & RF signal LEDs
19	Battery charge & power LEDs
20	Power on/off
21	DC power input jack

Powering up

Your new QR10PA portable PA unit may arrive with you with the internal battery charged. Before connecting to the mains with the supplied power adaptor, 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 power supply.

Connect the QR10 PA unit to the mains using the supplied power adaptor. You may otherwise opt to connect the DC input jack to an external 12-15Vdc supply, such as a car battery, or use the internal battery if charged.

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. This can be observed by the CHARGE LED which will light orange when charging. When fully charged, the CHARGE LED will change to green.

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

Initial setup

Turn all VOLUME & ECHO controls down (anti-clockwise) and turn the POWER switch on (the power LED should light). BASS and TREBLE (5, 16) controls should remain pointing vertically (12-o'clock position). Turn up the main VOLUME control (14) part way and switch VCV (15) off. Your QR10PA unit should now be ready to operate.

VHF Neckband Microphone

Connect the neckband microphone to the bodypack via the 3.5mm jack, slide open the bodypack and insert the supplied AA batteries, observing the correct polarity. With the VHF WIRELESS MICROPHONE VOL (6) control turned down, press the VHF ON/OFF button (17) in so that the VHF POWER LED (18) lights.

Switch on the beltpack transmitter fully (2 clicks as the centre position is "MUTE") – the RF LED should light as a result. Turn up the volume control on the beltpack fully – this can be turned down later if required. If the LED on the transmitter lights dimly, change the battery.

Gradually increase VHF VOL control, testing the neckband microphone 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 (3) clockwise introduces a pre-set echo function for singing and special effects. BASS and TREBLE (5, 16) can be cut by turning anti-clockwise or boosted by turning clockwise.

When not in use, switch the beltpack transmitter off and remove the batteries if not being used for long periods.

External Inputs

In addition to the QR10PA's own VHF microphones, 6.3mm jack inputs are provided to connect external wired or wireless microphones, which are both governed by the MIC VOL control.
If required, the music level can be automatically muted when speaking into a microphone by switching the VCV on.

Also, twin RCA and 3.5mm stereo jack input are provided for line input sources such as CD player or ipod. To use these, set the MODE switch on the USB/SD/FM player to "LINE IN". The line input is governed by the main VOLUME control at the top of the panel.

Adjacent to the twin RCA input is a twin RCA line output carrying the overall main mix. This can be fed on to further active speakers or portable PA units via a twin RCA lead.

VCV

The VCV button (15) activates a muting function which causes playback from the internal media player to be temporarily reduced in level when there is input from a microphone. This can be useful to "duck" music playback when making announcements.

Internal USB/SD/FM player-recorder

Insert a USB memory stick or SD card with mp3 or wma audio files stored on it into the relevant slot on the rear panel. Playback should start automatically. If both USB and SD are inserted, pressing the MODE button will select between playback from the different storage devices.
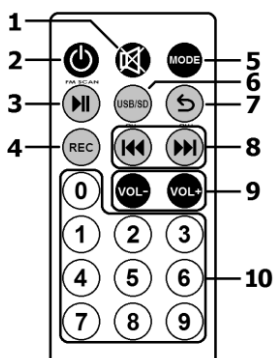
Increasing the main VOLUME control (14) on the rear panel should result in the audio being played through the speaker.

If playback does not start automatically, press the Play/Pause button or remove the device and check that the files stored on it are the correct format, then re-insert and try again.

Alternatively, press the MODE button until the media player is in FM mode. Pressing Play/Pause initiates the auto-tune function. This function scans and stores available FM radio stations into memory locations. Stored radio stations can then be selected using the Previous and Next buttons. The media player controls are detailed below...

○	MODE	Switches mode between playback from USB, SD or FM tuner
○	VOL- ◄◄	Previous track/station, hold for volume down
○	VOL+ ►►	Next track/station, hold for volume up
○	REC ●	Record mode
○	SCAN ►❚❚	Play / pause track – auto tuning in FM mode

In addition to the panel controls, an infra-red remote control is provided for the USB/SD player which adds some further functions to allow greater control over the media player. To operate, remove the clear plastic tab from the remote to activate the battery. Controls and their relevant functions are detailed below.

1. Mute media player output
2. Standby on/off for media player
3. Play/Pause (channel scan in FM mode)
4. Record start/stop (3 operates as pause/play)
5. Mode select – USB/SD/FM/AUX
6. USB or SD source select button
7. Repeat – 1 (single), R (random), A (all), D (folder)
8. Previous/Next track (channel -/+ in FM mode)
9. USB/SD volume -/+
10. Numerical track select

Specifications

Power supply	Internal battery or 12/15Vdc @3A mains adaptor (supplied)
Main driver	250mmØ (10")
Amplifier output	50 + 50W
Battery life	Up to 8 hours
Controls	Mic volume, Echo, Bass, Treble, Volume & VHF mic volume, VCV
Inputs	Wired mic, mic/guitar (jack) and aux (RCA & 3.5mm jack)
Batteries: beltpack transmitter	2 x AA (alkaline)
Carrier frequency	174.1MHz
Dimensions	320 x 470 x 270mm
Weight	10.1kg

Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check battery is not drained fully
	Check 15Vdc adaptor is connected if not on battery power
	Check internal fuse hasn't blown
Power LED lit but no VHF output	Check AA batteries in beltpack transmitter
	Check beltpack transmitter is switched fully on and not muted
	Make sure volume is turned up on beltpack transmitter
	Check VHF POWER is switched on
	Check MIC VOLUME is not turned down on QR10PA
	Check RF LED is lit (otherwise check transmitter frequency)
Music level off or keeps cutting out	Check that VCV is not switched on (will mute upon mic. signal)
Power LED lit but no media player output	Check USB or SD has mp3 or wma files stored
	Check USB or SD is connected properly
	Press MODE button and try Play/Pause button
	In FM tuner mode, ensure that a station is tuned in
	Check VOLUME is not turned down
	Press and hold "VOL +" button
	Check LCD display to see moving numbers
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 or MIC VOLUME control is not fully down
	In AUX mode, press Play/Pause to ensure input is not muted

Hereby, AVSL Group Ltd. declares that the radio equipment type 178.840UK is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity for 178.840UK is available at the following internet address:
http://www.avsl.com/assets/exportdoc/1/7/178840UK%20CE.pdf