

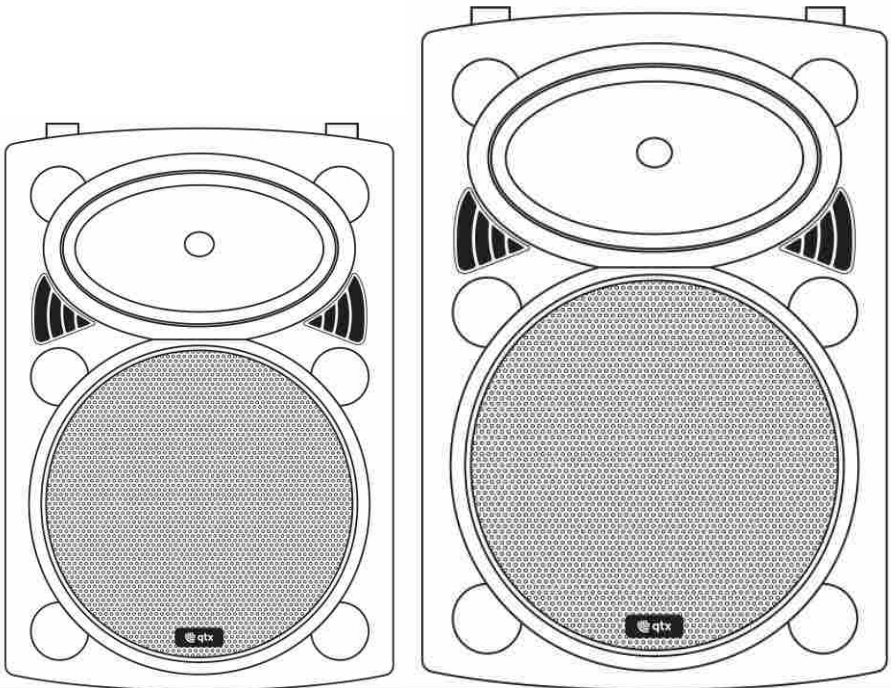
## QRPABT

### Portable PA Units

Order ref: QR12PABT (178.847UK)

QR15PABT (178.848UK)

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 QR series portable PA unit with Bluetooth. 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 presentations to karaoke.

- Mains, external or internal D.C. power supply
- Internal 12V rechargeable battery
- VHF wireless microphones included
- Microphone inputs (6.3mm jack)
- Master 2 band EQ and Echo effect for microphones
- Internal USB/SD digital audio media player
- Bluetooth receiver
- Mic talk-over function
- Wireless remote control for media player
- Integral trolley with telescopic handle
- Integral 35mm pole mount
- AUX line input

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, 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.

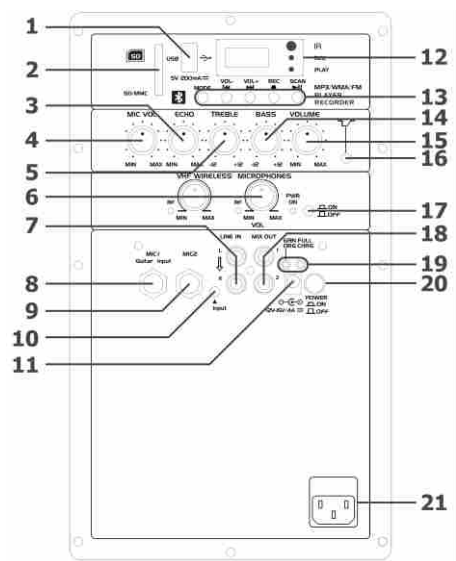
## Package Contents

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

- QRPABT portable PA unit
- 2 x VHF handheld microphones
- Mains power 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.

## Rear panel



1. USB input
2. SD card slot
3. Microphone ECHO level control
4. MIC inputs volume control
5. TREBLE EQ
6. VHF microphone volume controls
7. RCA LINE IN input
8. 6.3mm jack Guitar/MIC 1 input
9. 6.3mm jack MIC 2 input
10. 3.5mm LINE IN input
11. External 12-15Vdc power input (4A min.)
12. Media player LCD display
13. Media player mode/transport controls
14. BASS EQ
15. Music volume control
16. Talk-over switch
17. VHF receiver power switch & LED
18. RCA MIX OUT line output
19. Power/Charge LED indicators
20. Power switch
21. IEC mains inlet & fuse holder

## Connection

Your new QRPABT 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 QRPABT portable PA unit to the mains using the appropriate mains IEC lead supplied. You may otherwise opt to connect the spring terminals at the rear to an external 12Vdc supply, such as a car battery, or use the internal battery if charged.

## Powering Up

Turn the VOLUME, ECHO and MIC VOLUME controls down (anti-clockwise) and turn the POWER switch on (the power LED should light).

BASS and TREBLE controls should remain pointing vertically (12-o'clock position).

Switch VCV (voice-controlled volume) off.

Your QR-series PA unit should now be ready to operate.

## VHF Wireless Microphones

Insert the supplied 9V 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 correct polarity.

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 mic in turn – the RF LEDs should light as a result.

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

Gradually increase 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 clockwise introduces a pre-set echo function for singing and special effects. BASS or TREBLE can be cut by turning anti-clockwise or boosted by turning clockwise. When not in use, switch the wireless microphones off.

## External Inputs

In addition **to the unit's own VHF microphones, 6.3mm jack inputs are provided to** connect external wired or wireless microphones, which are both governed by the MIC VOLUME control.

If required, the music level can be automatically muted when speaking into a microphone by switching the Talk-over on.

Also, twin RCA and 3.5mm jack input are provided for line input sources such as CD player or mp3 player. **To use these, set the MODE switch on the USB/SD player to "LINE IN"**

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

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

## Internal USB/SD player & Bluetooth receiver

The QRPABT onboard media player can play back files from USB/SD/FM media or a paired Bluetooth device.

Insert a USB memory stick or an SD card with compressed digital audio files stored on it into the relevant slot on the top panel. Playback will normally start automatically from the last media inserted (USB or SD).

If the LCD display shows a jack plug, press the USB/SD 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 Master Volume control (21) should result in the audio being played through the speakers.

Panel controls are detailed below...



MODE	switches input between USB/SD/FM media or Bluetooth
◀◀	press for previous track
▶▶	press for next track
↻	Repeat mode
►	Play/Pause playback

To connect a smart phone or other Bluetooth device to the DELTA-50 media player, open the Bluetooth menu on your device **and search for "PA SYSTEM"**. **Pair with this ID and connect (re-name if desired)** in order to be able to play audio from the Bluetooth device to the DELTA-50. Pressing the MODE button will select between FM, Bluetooth and USB/SD playback sources. (Note: there is also an AUX setting which is not used, since the mixer has separate line inputs)

Mute, volume and track navigation can be achieved via the media player control panel. Bluetooth pairing is always available for a single device so long as the device is within reception range. It may be necessary to re-connect if the device has moved out of range and disconnected.

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

## Specifications

Model	QR12PABT	QR15PABT
Power supply	220-240Vac 50/60Hz / external 12Vdc / internal battery	
Main driver	<b>30cm (12")</b>	<b>38cm (15")</b>
HF unit	<b>2.5cm (1") titanium compression driver</b>	
VHF mic frequencies	174.1MHz + 175.0MHz	
RF power	10mW	
Output power	50W + 50W (LF + HF)	
Battery life	Up to 8 hours	
Dimensions	570 x 350 x 310mm	685 x 440 x 380mm
Weight	14.0kg	18.4kg

## Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check battery is not drained fully
	Check mains lead is connected
	<b>Check mains or D.C. fuse hasn't blown</b>
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
Music off or cutting out	Check that Talk-over is not switched on
Power LED lit but no USB/SD player output	Check USB or SD has mp3 or wma audio files (FAT32 formatted)
	Check USB or SD is connected properly
	Press MODE button and try >   button
	Check VOLUME is not turned down
	<b>Press and hold "VOL +" button</b>
	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
	Does "LINE IN" show on LCD for AUX input? (Press MODE)



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.

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