



qtxsound®

QR12PA / QR15PA

User Manual

178.843 / 178.846



Features:

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

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.

Contents:

Please take care when unpacking this product. Inspect for any damage and ensure you have the following components...

- QR-series portable PA unit
- 2 x VHF wireless handheld microphones
- Remote control for media player
- IEC Mains cable

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.

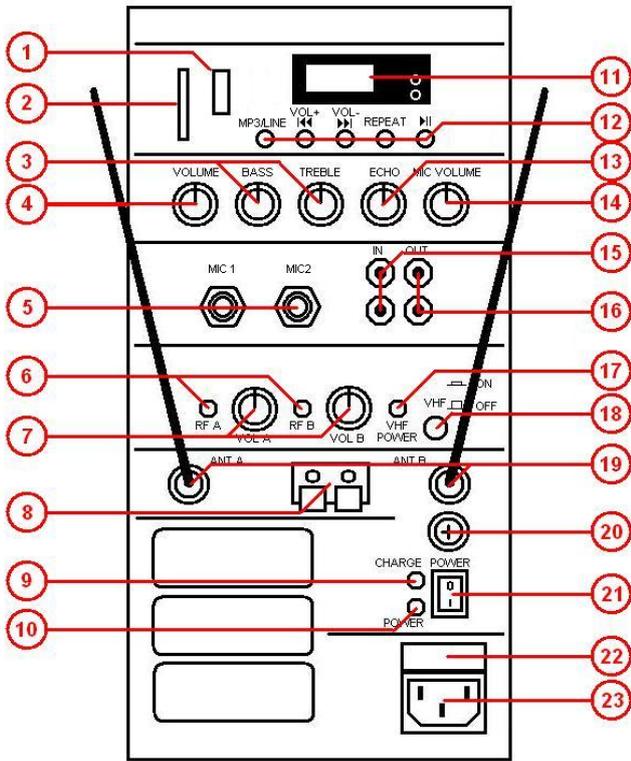
Placement

- 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.

SPECIFICATIONS	QR12PA	QR15PA
Power supply	220-240Vac 50/60Hz / external 12Vdc / internal battery	
Main driver	30cm (12")	38cm (15")
HF unit	2.5cm (1") titanium compression driver	
VHF mic frequencies	174.1MHz + 175.0MHz	
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



- 1) USB input
- 2) SD card slot
- 3) 2-band EQ controls (BASS + TREBLE)
- 4) Music volume control
- 5) 6.3mm jack microphone inputs
- 6) Radio Frequency indicators (VHF carriers)
- 7) Wireless microphone volume controls
- 8) External 12Vdc power input
- 9) Charging indicator
- 10) Mains power indicator
- 11) Media player LCD display
- 12) Media player mode/transport controls
- 13) Microphone Echo level control
- 14) Microphone inputs volume control
- 15) AUX line input
- 16) Line output
- 17) VHF receiver power indicator
- 18) VHF receiver power switch
- 19) VHF microphones antennae
- 20) D.C. power fuse
- 21) Power switch
- 22) Mains fuse holder
- 23) IEC mains inlet

Operation

Getting started

Your new QTX QR-series portable PA unit may arrive with you with the internal battery fully charged. Before connecting to the mains, switch the unit on and see if the power LED lights. If not, 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 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.

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).

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 the correct polarity.

Connect the twin aerials to the connectors at the rear and extend them fully at an angle.

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 handheld mic in turn – the RF A and RF B LEDs should light as a result.

The LED on each mic will light momentarily and then go out – this is normal.

If the LED does not light or stays lit, change the battery.

Gradually increase VOL A and VOL B, testing each microphone 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 and TREBLE can be cut by turning anti-clockwise or boosted by turning clockwise.

When not in use, switch the handheld microphones off.

External Inputs

In addition to the unit’s own VHF microphones, a pair of 6.3mm jack inputs are provided to connect 2 external wired or wireless microphones, which are both governed by the MIC VOLUME control.

Also, an AUX twin RCA input is provided for line input sources such as CD player or ipod.

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

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.

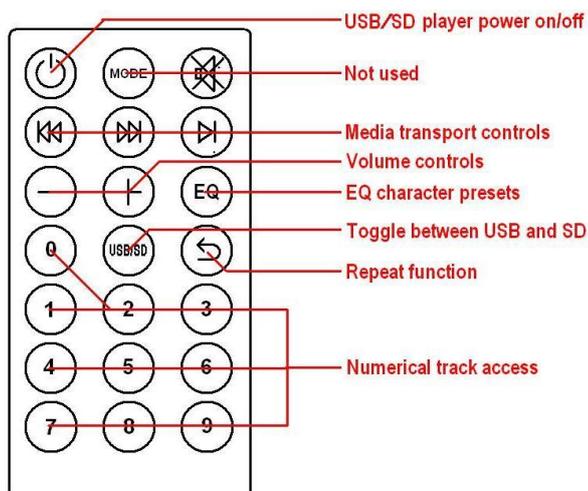
If the LCD display reads “LINE IN”, press the MP3/LINE button and check that the LCD display shows that media is being read from the USB or SD device. If not, press the “>||” button or try removing and re-inserting the memory device.

Increasing the VOLUME control should result in the media being played through the speaker.

Panel controls are detailed below...

“MP3/LINE”	switches music input between internal USB/SD player and AUX input
“VOL – “	press and hold to decrease volume
“ <<”	momentary press for previous track
“VOL +”	press and hold to increase volume
“>> ”	momentary press for next track
“REPEAT”	toggle between repeating all, single or no tracks
“> ”	Play / pause track

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.



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 lights when charging.

Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check battery is not drained fully
	Check mains lead is connected
	Check mains or D.C. fuse hasn't blown
Power LED lit but no VHF mic output	Check 9V batteries in handheld mics
	Check handheld mics 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 USB/SD output	Check USB or SD has correct audio files on
	Check USB or SD is connected properly
	Press MP3/LINE button and try > button
	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
	Does "LINE IN" show on LCD for AUX input? Press MP3/LINE if not