

QRPA

Portable PA Units

Order ref: QR12PA (178.843)
QR15PA (178.846)

User Manual



VERSION 2.1

Introduction

QRPA portable PA units

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.

- 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/FM digital audio media player
- VCV mic override function
- Wireless remote control for media player
- Integral trolley with telescopic handle
- Integral 35mm pole mount
- AUX line input

Package Contents

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

- QRPA 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.

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.

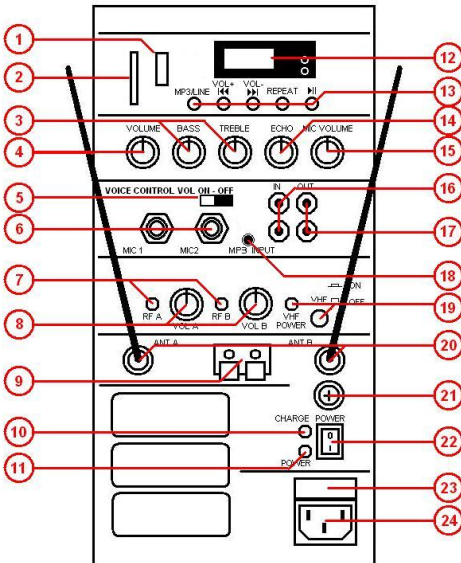
Cleaning

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.

| 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 |

Controls



- 1) USB input
- 2) SD card slot
- 3) 2-band EQ controls (BASS + TREBLE)
- 4) Music volume control
- 5) VCV voice controlled volume switch
- 6) 6.3mm jack microphone inputs
- 7) Radio Frequency indicators (VHF carriers)
- 8) Wireless microphone volume controls
- 9) External 12Vdc power input
- 10) Charging indicator
- 11) Mains power indicator
- 12) Media player LCD display
- 13) Media player mode/transport controls
- 14) Microphone Echo level control
- 15) Microphone inputs volume control
- 16) AUX line input
- 17) Line output
- 18) 3.5mm line input
- 19) VHF receiver power switch & LED
- 20) VHF microphones antennae
- 21) D.C. power fuse
- 22) Power switch
- 23) Mains fuse holder
- 24) IEC mains inlet (12Vdc in for 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 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.

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. When fully charged, the CHARGE LED will no longer be lit.

Power 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

For QR12PA and QR15PA, 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.

For QR10PA, connect the neckband microphone to the bodypack, slide open the bodypack and insert the supplied 9V battery, again observing the correct polarity.

Connect the antennae 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 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 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 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 VCV on.

Also, twin RCA and 3.5mm 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 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.

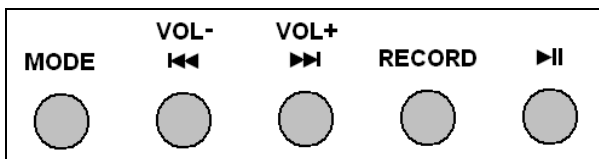
Internal USB/SD/FM player

Insert a USB memory stick or an SD card with compressed audio 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 ">II" 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...



- "MODE"** Switches music input between internal USB/SD/FM player and AUX input
Pressing "MODE" for 2 seconds opens Media Player Menu (see below)
- "VOL - "** Press and hold to decrease volume
- "I<<"** Momentary press for previous track (or station in FM mode)
- "VOL + "** Press and hold to increase volume
- ">>I"** Momentary press for next track (or station in FM mode)
- "RECORD"** In any mode, press to record to USB or SD, press again to stop and save
- ">II"** Play/Pause USB or SD track, Auto-scan FM tuner, MUTE AUX input

Media Player Menus

FM Tuner Menu

Pressing MODE in FM Tuner mode opens the FM Tuner Menu

Use VOL- and VOL+ buttons to navigate through the menu and Play/Pause button to select

Auto search activates a search through FM frequencies and auto-stores detected stations

Manual replay

Manual Station Search: Use VOL- and VOL+ buttons to scan manually in steps

Semi-automatic Station Search: Use VOL- and VOL+ buttons to auto-scan to next station

Switching Stations: Use VOL- and VOL+ buttons to switch between stored stations

Save stores the current station in internal memory

Record switches to USB/SD mode for recording/playback

Delete erases the current stored station from memory

Delete All erases all stored stations from memory

Volume Adjustment uses VOL- and VOL+ to adjust the output level of the FM Tuner

Exit leaves the FM Tuner Menu

USB/SD "Play" Menu

Pressing MODE whilst USB/SD is playing opens the USB/SD "Play" Menu

Use VOL- and VOL+ buttons to navigate through the menu and Play/Pause button to select

Repeat

Repeat All – plays all content and then repeats from the beginning

Repeat Folder – plays all content from the selected folder and then repeats from beginning

Repeat One – plays the current single track and then repeats

Random – plays all content in random order

Equalizer offers 7 preset EQ settings using VOL-/VOL+ to navigate and Play/Pause to select

Music Volume Control uses VOL- and VOL+ to adjust the output level of the media player

File Browser uses VOL-/VOL+ to navigate and Play/Pause to select tracks on the media

Exit leaves the USB/SD "Play" Menu

USB/SD "Pause" Menu

Pressing MODE whilst USB/SD is paused opens the USB/SD "Pause" Menu

Use VOL- and VOL+ buttons to navigate through the menu and Play/Pause button to select

File Browser uses VOL-/VOL+ to navigate and Play/Pause to select tracks on the media

Delete File uses VOL-/VOL+ to select "YES/NO" and then Play/Pause to delete the current file

Delete All uses VOL-/VOL+ to select "YES/NO" and then Play/Pause to delete all content

Exit leaves the USB/SD "Pause" Menu

AUX Menu

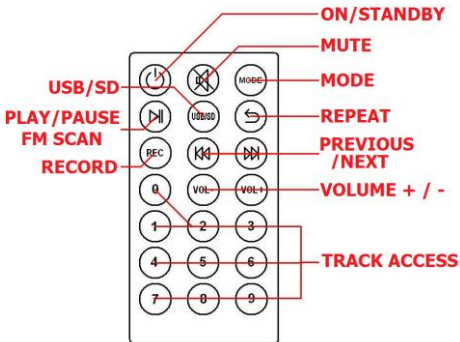
Pressing MODE in AUX mode opens the AUX Menu

Use VOL- and VOL+ buttons to navigate through the menu and Play/Pause button to select

Recording opens the USB/SD player and begins recording

Music Volume Control uses VOL- and VOL+ to adjust the output level of the AUX input

Exit leaves the AUX Menu



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.

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 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 level off/cutting out | Check that VCV is not switched on (will mute upon mic. signal) |
| Power LED lit but no USB/SD player output | Check USB or SD has correct audio files on |
| | Check USB or SD is connected properly |
| | Press MP3/LINE button and try >II 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) |



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

CE1622

Errors and omissions excepted.
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