

QR10PA

Portable PA

Item ref: 178.840

User Manual



Version 1.0

Introduction

QR10PA portable PA unit

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.

- 12Vdc 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

PACKAGE CONTENTS:

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

- QR10PA portable PA unit
- Neckband microphone
- VHF beltpack transmitter
- 12Vdc 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.

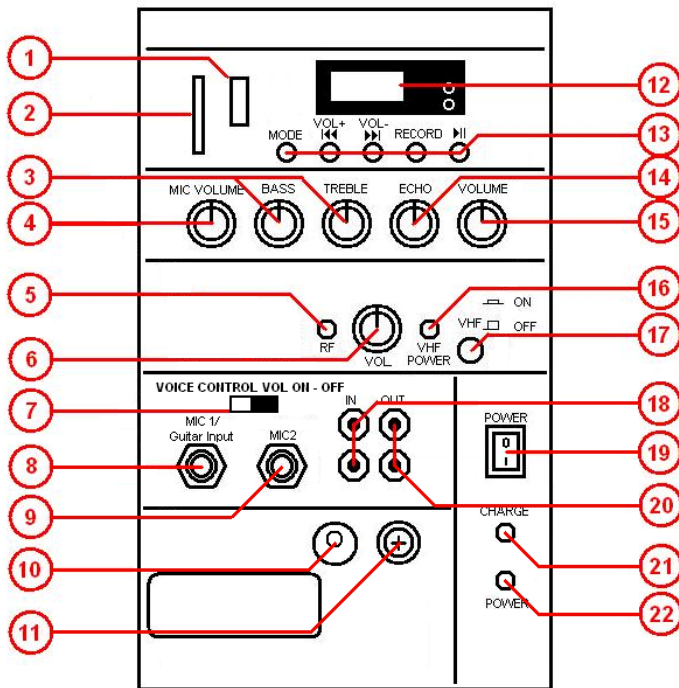
Keep the unit away from moisture or dusty environments.

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.

Controls



- 1) USB input
- 2) SD card slot
- 3) 2-band EQ controls (BASS + TREBLE)
- 4) MIC inputs volume control
- 5) Radio Frequency indicator (VHF carrier)
- 6) Wireless microphone volume control
- 7) VCV voice controlled volume switch
- 8) MIC1 / Guitar input – 6.3mm jack
- 9) MIC2 input – 6.3mm jack
- 10) 12Vdc power input
- 11) Internal fuse
- 12) Media player LCD display
- 13) Media player mode/transport controls
- 14) Microphone Echo level control
- 15) Music volume control
- 16) VHF receiver power indicator
- 17) VHF receiver power switch
- 18) AUX line input
- 19) Power switch
- 20) Line output
- 21) Charging indicator
- 22) Power indicator

Specifications

Power supply	12Vdc adaptor / internal battery
Main driver	250mm (10")
HF unit	25mm (1") titanium compression driver
VHF mic frequency	174.1MHz
Output power	50W + 50W (LF + HF)
Battery life	Up to 8 hours
Dimensions	470 x 320 x 270mm
Weight	10.1kg

Operation

Connection

Your new QR10PA portable PA unit may arrive with you with the internal battery charged. Before connecting the 12Vdc adaptor 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 12Vdc adaptor and appropriate mains IEC lead supplied. You may otherwise opt to use the internal battery if charged.

Power Up

Turn 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 Neckband Microphone

Connect the neckband microphone to the bodypack via the 3.5mm jack, slide open the bodypack and insert the supplied 9V battery, observing the correct polarity.

With the wireless receiver VOL control turned down, press the VHF ON/OFF button in so that the VHF POWER LED 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 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 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 beltpack transmitter off.

External Inputs

In addition to the unit's own VHF microphones, 6.3mm jack inputs are provided to connect external microphones (or guitar for MIC1), 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, an AUX twin RCA input is provided for line input sources such as CD player or ipod.

To use these inputs, select the AUX input mode using the media player MODE button

The AUX input is governed by the VOLUME control at the top of the panel and volume settings in the media player

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

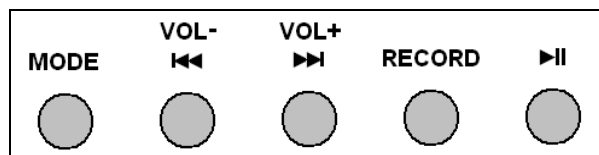
Internal USB/SD/FM player

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

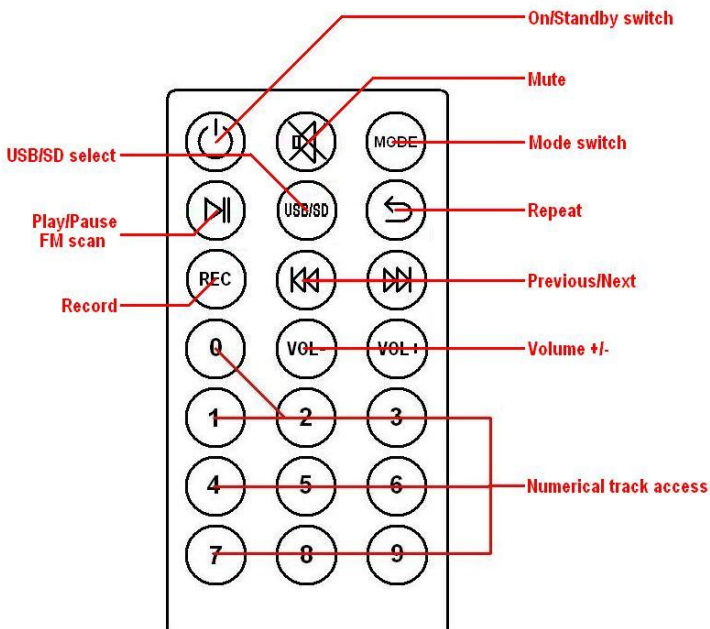
Pressing MODE in AUX mode opens the AUX Menu

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.

Charging the battery

When not in use but connected via the 12Vdc adapter 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 12Vdc adaptor is connected if not on battery power
	Check internal fuse hasn't blown
Power LED lit but no VHF output	Check 9V 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
Music level off or keeps cutting out	Check RF LED is lit (otherwise check transmitter frequency))
	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 compressed audio 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
Power LED lit but no sound from external inputs	Check LCD display to see moving numbers
	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

DISPOSAL:



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