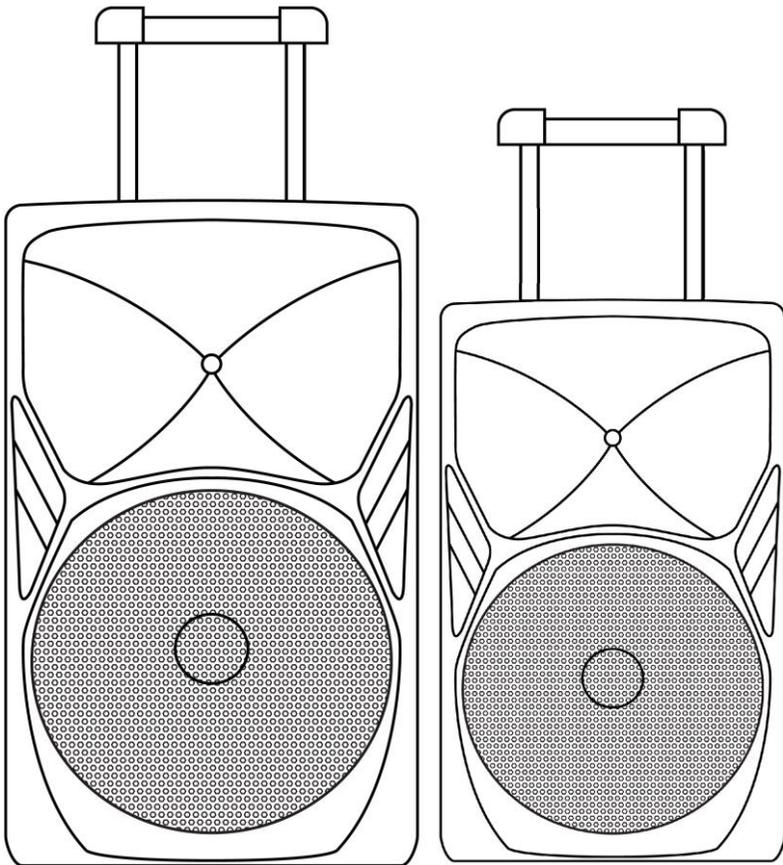


QUEST

Portable PA Units

Order ref: QUEST-12 (178.886UK)
QUEST-15 (178.888UK)

User Manual



VERSION 1.0



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

Introduction

Thank you for choosing a Quest portable PA unit. 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 portable music system.

Package Contents

Please check the contents to ensure that the product has been received in good condition. If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once.

- Quest portable PA unit
- 2 x VHF handheld microphones
- IEC power lead(s)
- IR remote control

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, check the supply voltage is correct and the IEC mains lead is OK. Avoid ingress of water or particles into the enclosure.

If the internal IEC 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.

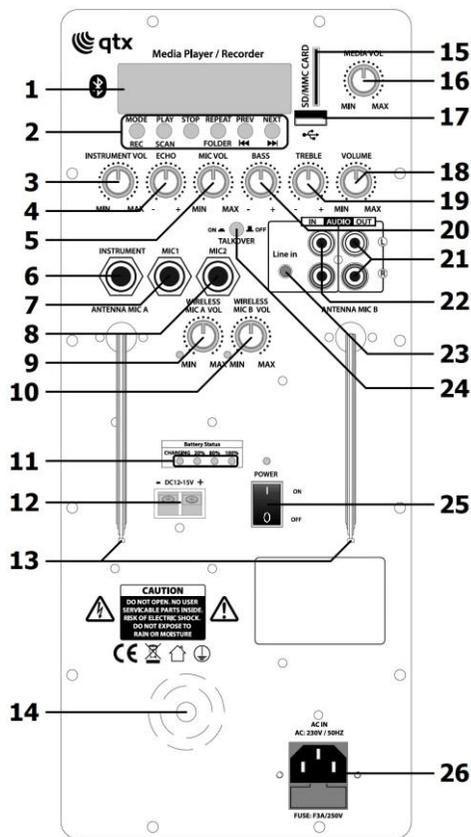
Keep the unit away from moisture or dusty environments.

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.

Rear panel



- 1 Media player display
- 2 Media player controls
- 3 Instrument input volume
- 4 Echo effect level
- 5 Mic 1+2 inputs volume
- 6 Instrument input 6.3mm jack
- 7 Microphone 1 input 6.3mm jack
- 8 Microphone 2 input 6.3mm jack
- 9 VHF Mic A volume
- 10 VHF Mic B volume
- 11 Battery charge status LEDs
- 12 12Vdc power input
- 13 VHF antennas
- 14 Cooling fan vent
- 15 SD/MMC card slot
- 16 Media player volume
- 17 USB port
- 18 Main output volume
- 19 Treble EQ boost/cut
- 20 Bass EQ boost/cut
- 21 Line out L+R RCA
- 22 Line in L+R RCA
- 23 Line in 3.5mm stereo jack
- 24 TALKOVER button
- 25 Power switch & indicator LED
- 26 IEC mains inlet & fuse holder

Powering up

Your new QUEST portable PA unit may arrive with you with the internal battery charged.

Before connecting to the mains, turn down all volume controls and switch the unit on (25) and see if the power LED lights. If not, you will need to charge the battery before use away from mains power. Connect the QUEST unit to the mains using the appropriate IEC power lead supplied (26).

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, indicated by charging and battery status LEDs (11).

You may otherwise opt to connect the DC input at the rear (12) to an external 12-15Vdc supply (e.g car battery) or use the internal battery if charged.

When powered up, BASS and TREBLE controls (20, 19) should remain pointing vertically (i.e. 12-o-clock position). Turn up the MASTER VOLUME control (18) part way and switch TALKOVER (24) off.

Your QUEST unit should now be ready to operate.

VHF Wireless Microphones

Extend the 2 VHF antennas (13) at the rear of the unit. Insert batteries into the handheld microphones by carefully unscrewing the base of each and connecting the “+” and “-” terminals of the batteries to the corresponding contacts inside the mic body, taking care to observe the correct polarity. Turn the VHF MIC VOL controls (9, 10) up part way for checking.

Switch on each wireless mic in turn – the signal indicator LEDs next to the VHF volume controls should light. If the LED on the transmitter lights dimly, change the battery. Gradually increase the VHF MIC VOL controls, testing each 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 (4) clockwise adds an echo function for singing or special effects.

The BASS or TREBLE (20, 19) content can be cut by turning the relevant control anti-clockwise or boosted by turning clockwise.

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

External Inputs

In addition to the Quest’s own VHF microphones, two 6.3mm jack inputs (7, 8) are provided to connect external wired or wireless microphones, which are both governed by the WIRED MIC VOL control (5). If required, the music level can be automatically muted when speaking into a microphone by switching in the TALKOVER feature on (24)

A further 6.3mm jack instrument input is provided for an electric or electro-acoustic guitar (6), controlled by its own volume control (3)

Also, twin RCA (22) and 3.5mm stereo jack input (23) are provided for line input sources such as a CD player or smart phone. These are both independent of the media player.

Adjacent to the twin RCA input is a twin RCA line output (21) carrying the overall main mix. This can be fed on to further active speakers or portable PA units via a twin RCA lead.

Internal media player

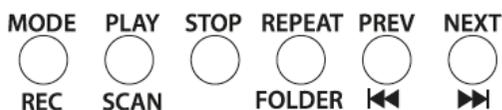
Each Quest portable PA unit has an internal media player for digital audio playback from USB/SD/MMC media, FM tuner or via Bluetooth.

Press 'Mode' (9) to select the function you require – USB/SD, FM radio (89-107) or Bluetooth.

USB – Use this mode for both USB and SD/MMC cards

FM Radio – (the last chosen frequency will appear)

BLUE – Use this mode for Bluetooth™ selection



Playback from USB Device or SD/MMC Card

Inserting a USB memory device into the USB connector or SD/MMC card into the SD/MMC card slot will automatically load up and begin playback of mp3 or wma tracks stored on the media.

If playback does not start, press the PLAY button or remove the memory device and check that the stored files are the correct compressed audio format before re-connecting.

MODE will switch audio source or record mode

PLAY will alternately play or pause the selected track or auto-tune FM stations

STOP will stop playback and return to the start of a track

REPEAT will select between repeating **ONE** track or **ALL** tracks – hold to change folder

PREV will step backwards through tracks – hold for reverse seek

NEXT will step forwards through tracks – hold for forward seek

To step through folders on the storage media, press and hold the REPEAT button (Note: Pressing and holding the STOP button will step backwards through folders)

Recording

To record to the storage media, press the MODE button to select record mode and then press the PLAY button to start recording. To play back recorded content, press and hold the PLAY button for 3 seconds.

FM Tuner

In FM tuner mode, the station frequency (in MHz) will be displayed.

For initial setup, press PLAY to begin the auto-tuning process.

The tuner will seek through all frequencies for strong signal reception (i.e. radio stations) These will be stored into memory as **PO 1, PO2, PO3, PO4**... etc.

Stored stations can then be selected using the PREVIOUS or NEXT buttons.

Note: Pressing PLAY during auto-tune will allow manual tuning via PREVIOUS/NEXT

Bluetooth™ Connection

Select '**BLUE**' using the MODE button (9).

Scan for Bluetooth™ devices on your phone or other Bluetooth enabled audio player and check for a device called 'QUEST'. Select this device and opt to connect your Bluetooth device, which should then state that it is connected to "QUEST" for audio output.

Play audio from your Bluetooth™ device and check for output through the Quest PA unit.

If there is no output, check if there is more than one device within range called "QUEST"

In the eventuality that more than one device is called "QUEST", try each device in turn until the Quest PA is found. Check also that the volume level is turned up on the sending device.

Once audio is playing through the Quest PA from Bluetooth, adjust the MEDIA volume control (7) to the required volume.

Bluetooth on the Quest PA can only pair to a single device at any one time and should be operable over a range of 5 to 8 metres.

Specifications

Model	QUEST-12	QUEST-15
Power supply	230Vac, 50Hz (IEC)	
Fuse	T3A, 250V	
Output power	100W	100W
Frequency response	50Hz - 16kHz	40Hz - 16kHz
SPL @ 1W/1m	96dB	98dB
Main driver	300mmØ (12")	380mmØ (15")
Impedance: main driver	4 Ohms	
HF driver type	25mm (1") Titanium compression driver	
Wireless microphone frequencies	174.1MHz + 175.0MHz	
Battery life	Up to 6 hours	
Recharge time	8 hours	
Battery type	7Ah rechargeable sealed lead-acid	
Controls	VHF mic volume A + B, Media transport controls, Instrument volume, Echo, Wired mic volume, Bass, Treble, Master	
Inputs	2 wired mic (jack), instrument (jack), aux (RCA & 3.5mm)	
Line output	RCA	
Bluetooth version	2.1	
Dimensions	675 x 438 x 383mm	785 x 488 x 433mm
Weight	14.4kg	16.4kg

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 batteries in wireless transmitters
	Check wireless transmitters are switched on
	Check that handheld transmitters are not switched to MUTE
	Check wireless mic. volume controls are not turned down
Music level cutting out	Check wireless mic. indicator LEDs are lit to show RF signal
	Check TALKOVER is not switched on (will mute on mic. signal)
Power LED lit but no media player output	Check USB/SD/MMC has mp3 or wma audio file format
	Check media player and main volume are not turned down
No Bluetooth output	Check volume output level on sending device
	Check sending device is connected to the Quest PA correctly
No sound from external inputs	Check leads are OK and connected properly
	Check instrument, microphone and main volume controls



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.

*Errors and omissions excepted.
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