

QRK

Active Speaker Cabinets

Order ref: QR8K (178.310UK)

QR10K (178.311UK)

QR12K (178.313UK)

QR15K (178.316UK)

User Manual





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

Introduction

Thank you for choosing the QRK active speaker as part of your sound system. This speaker is designed to offer clear and reliable sound reinforcement for leisure and entertainment applications.

Package Contents

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

Warning

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. 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: Labelling Conventions



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Prior to connecting mains, check the supply voltage is correct and the mains lead is OK.
Avoid ingress of water or particles into the enclosure.
If the mains fuse blows continually, refer the unit to qualified service personnel.

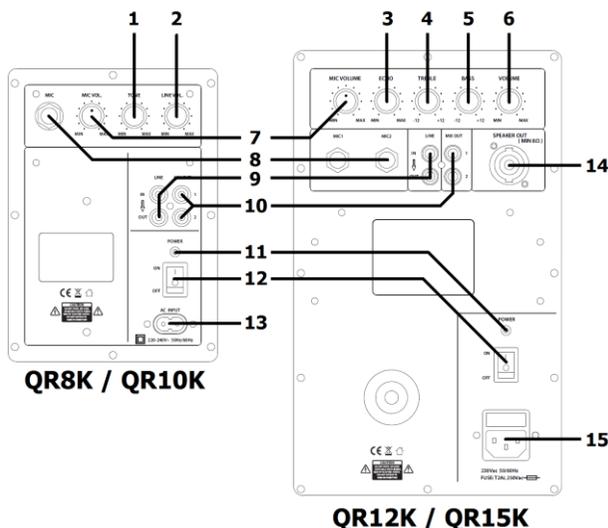
Placement

Keep the unit out of direct sunlight and away from heat sources.
Keep the unit away from moisture or dusty environments.
Mount the cabinet on a stable surface, 35mm pole mount or suspend using the integral flying points.
Ensure that any supporting structures have adequate load capacity for the weight of the unit.

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. TONE control for main output
2. LINE VOL level for line inputs
3. ECHO effect level for mics
4. TREBLE control for main output
5. BASS control for main output
6. VOLUME control for main output
7. MIC VOLUME for mic inputs
8. MIC inputs 6.3mm jack (unbal)
9. LINE IN (parallel OUT) RCA
10. MIX OUT RCA main outputs
11. POWER LED indicator
12. POWER ON/OFF switch
13. FIG.8 mains inlet
14. SPEAKER OUT to 8Ω ext. cab
15. IEC mains inlet & fuse holder

Setup & Operation

Before connecting any leads, ensure that the POWER switch (12) is in the OFF position. MIC VOL, LINE VOL and VOLUME controls (2, 6, 7) should be turned fully down. TONE or BASS and TREBLE controls (1, 4, 5) should point vertically (12-o-clock position). For QR12K and QR15K, the ECHO control (3) should be turned fully off.

Connect any microphones to be used via the 6.3mm jack input(s) on the rear panel (7). Connect any line level input to the RCA LINE connectors on the rear panel (9). Since both RCA connectors are paralleled to a mono input, one can be used for input and the other to connect the line signal onto additional active cabinets. If a complete mix including microphones is to be fed onto further cabinets, this can be connected from the MIX OUT RCA connectors (10).

The QR12K and QR15K models have a SPEAKER OUT connector (14). This may be connected to a passive speaker which has a minimum impedance of 8Ω and a power handling of 90W. QR12 or QR15 passive models (178.212UK, 178.213UK) are recommended extension speakers.

Using the mains lead provided (or a suitable equivalent), connect the IEC or Fig.8 inlet to the mains, ensuring correct voltage and that the outlet is earthed (for IEC connection).

Press the power switch on and gradually increase the VOLUME or LINE VOL control (2, 6), whilst playing the line signal into the input. Check the output from the speaker and any connected extension speakers. Alternatively, for microphone inputs, gradually increase the MIC VOL control (7) and test the microphone(s) for output through the speaker. Once all outputs are checked, increase controls to deliver the maximum required level.

During the above process, be aware that the level should be set to accommodate the loudest combined input to the speaker and that distorted or overdriven signals may be damaging to the speaker and amplifier section. If the sound is distorted (aggressive, fuzzy sounding), reduce the volume controls so that the loudest output is clean and clearly audible.

QR8K and QR10K models have a TONE control (1), which adjusts the tonal character of the speaker output. Adjust this clockwise to increase high frequency (treble) content or adjust anti-clockwise to reduce high frequencies for a more rounded, mellower output.

QR12K and QR15K models have separate TREBLE and BASS controls (4, 5) to adjust the tonal character of the cabinet. Adjusting clockwise increases bass or treble output and adjusting anti-clockwise will reduce bass or treble likewise, vertical (12 o'clock) is the neutral setting.

QR12K and QR15K models also have an ECHO control which adjusts the level of echo effect applied to the microphone input(s) for singers. When using a microphone, care must be taken to avoid feedback (loud squealing or howling sounds caused by the microphone being able to "hear" its own sound through the speaker) This can be avoided by keeping the microphone faced away from the speaker and avoiding high settings of MIC VOLUME, TREBLE, BASS and ECHO controls.

Before switching the QRK active speaker off, turn down all volume controls to avoid loud clicks through the speaker. Remove the power lead if the unit is not to be used for long periods of time

Specifications

Model	QR8K	QR10K	QR12K	QR15K
Power supply	220-240Vac, 50/60Hz (fig.8)		220-240Vac, 50/60Hz (IEC)	
Main driver	200mm (8")	250mm (10")	300mm (12")	380mm (15")
Amplifier power: rms	40W	40W	80W	80W
Amplifier power: max.	60W	60W	180W	180W
Speaker handling: max.	80W	200W	300W	400W
Speaker output	N/A		8 Ohms min, 90W max.	
Frequency response	55Hz - 20kHz	48Hz - 20kHz	50Hz - 20kHz	45Hz - 20kHz
Dimensions : WxHxD	290x400x220mm	320x470x260mm	350x570x300mm	430x680x360mm
Weight	6.5kg	7.5kg	11.2kg	15.8kg



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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