



## QRC active speaker cabinets

User Manual

178.745, 178.748



### Features:

- Lightweight, compact design
- 2 separate input channels
- Integral 35mm pole-mount
- Mic/line level and for channel 1
- Echo effect for mic. channel

## Introduction:

Thank you for choosing the QRC series active speaker cabinet. Please read this manual prior to use. The QR active speaker range has been designed to serve many varied applications, delivering clear, powerful sound reinforcement wherever it is needed. Please note: your QRC active speaker cabinet may be supplied with more than 1 IEC or Fig.8 mains lead. Be sure to use the correct lead, taking note of the outlet voltage and rating.

## 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.

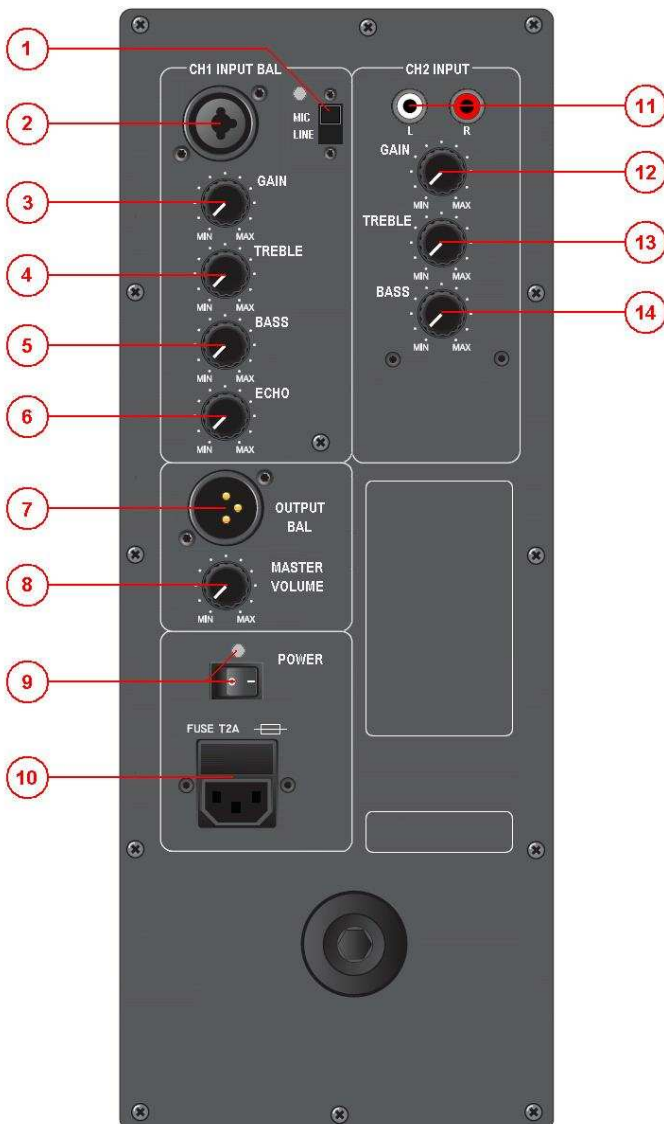
## Safety

- 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 fuse blows, 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.

## Control Panel



- 1) MIC/LINE – Input sensitivity switch with LED for Channel 1
- 2) CH1 INPUT BAL – Combo XLR or 6.3mm input Channel 1
- 3) GAIN – Gain control for channel 1 input
- 4) BASS – Bass EQ control for Channel 1 input
- 5) TREBLE – Treble EQ control for Channel 1 input
- 6) ECHO – Echo effect level control for Channel 1
- 7) OUTPUT BAL – Balanced XLR signal output CH1 +CH2
- 8) MASTER VOLUME – Master output control
- 9) POWER – Mains power switch and LED
- 10) MAINS INLET – IEC inlet with integral fuse holder
- 11) CH2 INPUT – Twin RCA line input (summed)
- 12) GAIN – Gain control for channel 2 input
- 13) BASS – Bass EQ control for Channel 2 input
- 14) TREBLE – Treble EQ control for Channel 2 input

## Operation

- With VOLUME and GAIN controls turned down and power switch off, connect the IEC mains lead to an appropriate mains outlet.
- If a microphone is to be connected directly into the QRC active speaker, connect it to Channel 1 via XLR or 6.3mm jack and select "MIC" on the sensitivity switch (1).
- Alternatively, a line level signal may be connected to Channel one providing that "LINE" is selected on the sensitivity switch.
- Connect output of a mixer or any line level signal via RCA lead into Channel 2.
- If the combined CH1+CH2 signal is to continue to further active speakers, connect these from the OUTPUT BAL line level XLR.
- BASS and TREBLE controls should remain pointing vertically (12-o-clock position).
- Press the power switch on and, if the input is connected to Channel 1, turn the Channel 1 GAIN control up gradually.
- Whilst turning up the Channel 1 GAIN control, make sure the line or mic signal is being fed into the Channel 1 input at its maximum level by either turning up the mixer or line input device to full volume or making the loudest sound through the microphone.
- Paying attention to the LED at the top of the Channel 1 section, increase GAIN until the LED begins to illuminate red and then turn down slightly until the red illumination disappears.
- For Channel 2, increase the GAIN part way to allow some signal through to the speaker to check the sound
- Turn up the MASTER VOLUME control until the input signal is heard through the speaker and continue increasing until the desired volume level is reached.
- If the channel 2 signal is too low at this point, increase the GAIN to the desired level, taking care to avoid the signal distorting.
- Each channel has BASS and TREBLE EQ controls which may be adjusted to the desired tone
- Channel 1 has an ECHO control which adjusts the level of echo effect applied to the microphone input 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 GAIN, TREBLE, BASS and ECHO controls.
- Before switching the QRC active speaker off, turn down the MASTER VOLUME control to avoid loud clicks through the speaker.
- Remove the power lead if the unit is not to be used for long periods of time

## 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

	QRC12A	QRC15A
Power supply	220-240Vac 50/60Hz (IEC)	
Main driver	30cm (12")	38cm (15")
HF Unit	2.5cm (1") titanium compression driver	
HF Dispersion	90° x 40°	
Output power (max)	500W	700W
Output power (RMS)	250W	350W
Frequency Response	45Hz - 20kHz	35Hz - 20kHz
Sensitivity	99dB	101dB
Crossover Frequency	3kHz	2.5kHz
Dimensions	625 x 360 x 325mm	730 x 450 x 380mm
Weight	14kg	22kg

## Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check mains lead is connected and fuse hasn't blown
Power LED lit but no sound from external inputs	Check leads are OK and connected properly
	Check VOLUME and GAIN controls are not fully down
Distorted output	Check that MIC/LINE switch is not switched to "MIC" for a line signal
	Reduce GAIN control on the relevant channel until signal is clean
Microphone output very low	Check that MIC/LINE switch is not switched to "LINE" for a mic. signal