



qtx sound[®]

QS active speaker cabinets

User Manual

QS12A (178.565)

QS15A (178.569)



Features:

- Sturdy moulded cabinet
- 2 mic inputs and 1 line input
- Integral 35mm pole-mount
- Bass & Treble EQ
- Exponential HF flare

Introduction:

Thank you for choosing the QS series active speaker cabinet. Please read this manual prior to use. The QS active speaker range has been designed to serve many varied applications, delivering clear, powerful sound reinforcement wherever it is needed. Please note: your QS active speaker cabinet may be supplied with more than 1 IEC 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) 6.3mm jacks for microphone inputs 1+2
- 2) XLR connectors for microphone inputs 1+2
- 3) LEVEL – volume controls for microphone inputs 1+2
- 4) R+L RCA inputs (summed) for line input
- 5) LEVEL – volume control for line input
- 6) XLR connector for line input
- 7) LEVEL – master volume control
- 8) TREBLE – master treble EQ control
- 9) BASS – master bass EQ control
- 10) CLIP – signal overload indicator
- 11) Power on indicator
- 12) POWER – mains on/off switch
- 13) IEC mains inlet with fuse
- 14) XLR line output
- 15) 6.3mm jack line output

Operation

- With master LEVEL control 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 QS active speaker, connect it to either input 1 or 2 via XLR or 6.3mm jack
- Connect any line level signal (e.g. MP3 player or CD player) or mixer output to the line input either via XLR or twin RCA lead.
- If the combined input signal is to continue to further active speakers, connect these from the LINE OUT from either the XLR connector or 6.3mm jack.
- BASS and TREBLE controls should remain pointing vertically (12-o-clock position).
- With all 3 input LEVEL controls turned fully down, press the power switch on and turn the master LEVEL control up gradually to half way
- For each input, gradually turn up the LEVEL control until the required volume is achieved.
- Adjust the master LEVEL control to accommodate the overall required output volume and boost or cut TREBLE and BASS controls as required.
- If the CLIP LED is flashing regularly, turn down either input or master LEVEL controls until it stops
- 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.
- 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 LEVEL, TREBLE and BASS controls.
- Before switching the QS active speaker off, turn down the master LEVEL 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

	QS12A	QS15A
Power supply	230Vac 50Hz (IEC)	
Main driver	30cm (12")	38cm (15")
HF Unit	2.5cm (1") titanium comp. driver	3.5cm (1.38") titanium comp. driver
HF Dispersion	105° x 55°	
Output power (max)	500W	700W
Output power (RMS)	250W	350W
Frequency Response (-3dB)	55Hz - 18kHz	50Hz - 18kHz
Frequency Response (-10dB)	50Hz - 20kHz	45Hz - 20kHz
Input Sensitivity	1V (p-p)	
Crossover Frequency	3kHz	
SPL @ 1W/1m	96dB	99dB
T.H.D.	<3%	
Dimensions	595 x 420 x 320mm	690 x 460 x 400mm
Weight	19.5kg	26.5kg

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 master and input LEVEL controls are not fully down
Distorted output	Check that line level signal is not connected to a MIC input
	Reduce LEVEL control on the relevant channel until signal is clean
Microphone output very low	Check that microphone is not connected to the line input