

QS Series

Active Speaker Cabinets

Order ref: QS12A (178.565UK)
QS15A (178.569UK)

User Manual



VERSION 1.1



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

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.

Package Contents

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

- QS series active speaker cabinet
- Mains power lead
- 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, 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.

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 Layout



1. 6.3mm jacks for microphone inputs 1+2
2. XLR connectors for mic inputs 1+2
3. LEVEL controls for mic 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

Connection

With master LEVEL control turned down and power switched 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.

Operation

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 part 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.

Specifications

Model	QS12A	QS15A
Power supply	230Vac 50Hz (IEC)	
Main driver	30cm (12")	38cm (15")
HF Unit	2.5cm (1") Ti comp. driver	3.5cm (1.38") Ti 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



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.

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