



QM-12S Active Subwoofer

(170.103)

User Manual



Features:

- Discreet compact format
- Variable crossover frequency
- Rear ported cabinet design

Introduction:

Thank you for choosing the QTX Sound QM-12S active subwoofer. This compact unit has been designed to augment any studio monitoring or domestic sound system to provide warm and powerful sub frequencies. Please read this manual before using this equipment in order to avoid damage through incorrect operation and to get the best performance from your purchase.

Warning:

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture. If liquids are spilled onto the unit, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact or dropping the cabinet, which may cause damage to the internal components. No user serviceable parts inside - refer servicing to qualified service personnel.

Safety

- Ensure that the correct mains lead is used and check that the supply voltage is correct for the mains inlet
- Avoid ingress of water or particles into the cabinet or amplifier panel

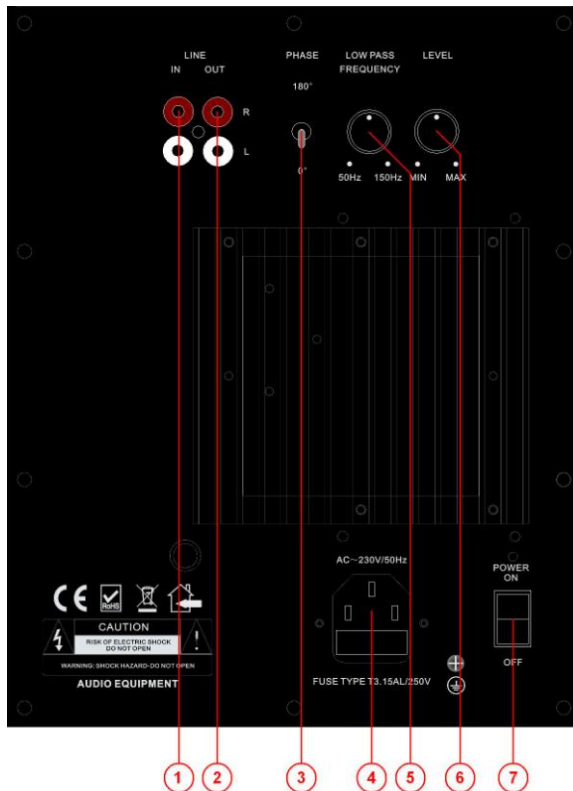
Placement

- Position the subwoofer close enough to the listener(s) to be heard without being obtrusive or in harm's way.
- Ideal location is against a wall or in a corner for best results
- Allow adequate cooling for the rear amplifier panel

Cleaning

- Clean with a dry or lightly damp cloth
- Remove dust from the heatsink and controls using a soft brush
- To avoid damage, do not use solvents to clean the components

Rear Panel



1. LINE IN – Line input (L+R) RCA connection
2. LINE OUT – Line output (L+R) RCA connection
3. PHASE switch – Normal or inverted phase switch
4. Mains inlet and fuse
5. LOW PASS FREQUENCY control 50-150Hz
6. LEVEL control
7. POWER switch

Operation

Ensure POWER switch is off and LEVEL control is turned fully down and connect mains to the rear inlet using the supplied IEC lead. Connect line input(s) to the rear panel via the LINE IN RCA connectors. These may be line signals from a surround sound system or from a mixing console. The QM-12S has an internal filter which feeds only sub frequencies to the internal amplifier. If the signal is to be continued to further equipment, connect to these via the LINE OUT RCA connectors.

Switch on the power and gradually turn up the LEVEL control to the required amount. The LOW PASS FREQUENCY control adjusts the cutoff frequency of the internal filter. This can vary from sub only to full, rounded bass between 50Hz and 150Hz. Lower settings may need higher LEVEL settings to compensate for removed frequencies.

In some circumstances, the phase of multiple sub units or subs and full-range monitors may oppose each other. If there appears to be a "hole" in some low frequencies, the PHASE switch may be used to correct this. There are 2 possible PHASE settings and one may give more bass than the other – this will be the best setting.

After use, turn down the LEVEL control and switch off the power. Disconnect from the mains if not used for long periods.

SPECIFICATIONS	
Power supply	220 - 250Vac, 50/60Hz, IEC
Connections	RCA line in L+R, line out L+R
Frequency response	32 - 150Hz
Programme power output	150W
Peak output	300W
Sensitivity	92dB
Driver	High output 30cm (12") sub
Dimensions	440 x 350 x 440mm
Weight	14.8kg

Troubleshooting

"POWER" LED does not light	Check power lead is connected properly and POWER switch is on.
	Ensure mains outlet is switched on and at the correct voltage
	Check integral IEC fuse and fuse in mains lead.
"POWER" LED is lit but no output	Check signal leads are connected properly and in good condition
	Check signal is OK by connecting to another amplifier or active speaker
	Ensure LEVEL control is not turned fully down and test higher CROSSOVER FREQUENCY settings
	Reduce LEVEL control if signal level is OK
Distorted or "flapping" sound output	Reduce level of input signal from sound source if too high and increase LEVEL control to compensate
	Try reduced CROSSOVER FREQUENCY settings
	Check for vibrations of items or fixtures near to the cabinet
	Increase LEVEL control and try higher CROSSOVER FREQUENCY settings
Low output or "hollow" sounding bass	Test PHASE switch to check if inverting the signal improves the output

Note: for further troubleshooting, refer equipment to qualified service personnel for testing