

M8S

ACTIVE SUBWOOFER 8"

Order ref: 170.190

User Manual



Introduction

Thank you for choosing the AV Link M8S active subwoofer as part of your sound system. This product is designed with flexibility and reliability in mind to offer long-lasting, high quality output for many varied applications. Please read this manual fully and follow the instructions to achieve the best results with your new purchase and to avoid damage through misuse.

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 on the cabinet, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, stress or extreme pressure to the cabinet
No user serviceable parts inside – Do not open the panel – refer all servicing to qualified service personnel

Safety

- Check for correct mains voltage and condition of Fig.8 lead before connecting to power outlet
- Ensure speaker wires and/or signal leads are in good condition with no shorts or damaged plugs
- Do not allow any foreign objects to enter the case or through the ventilation grilles

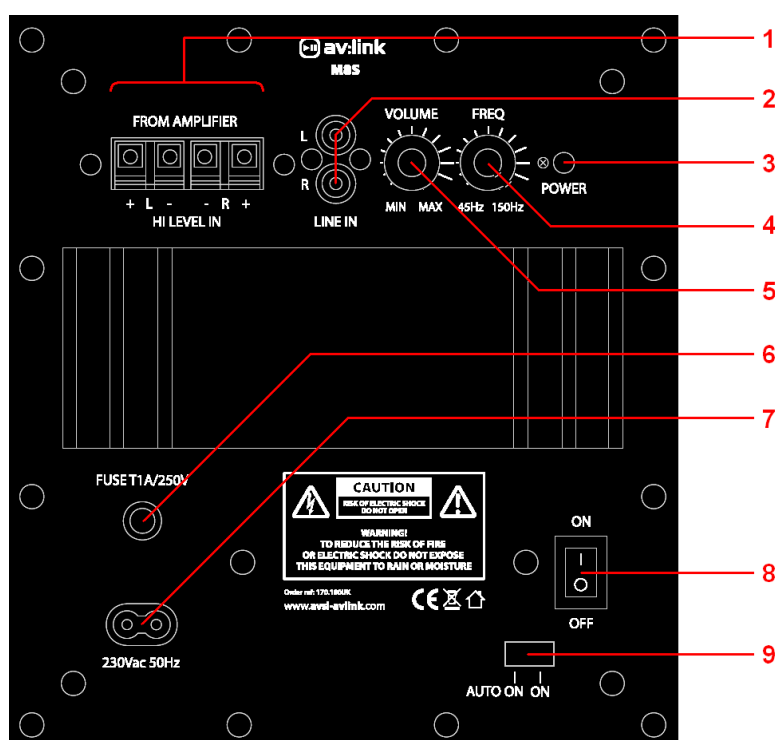
Placement

- Keep out of direct sunlight and away from heat sources
- Avoid damp or dusty environments
- Position on a level, stable surface, ideally against a wall or in a corner
- Avoid sharp objects protruding through the front grille cloth or speaker cone
- Ensure adequate access to controls and connections

Cleaning

- Use a soft dry or slightly damp cloth to clean the cabinet as required
- Use a vacuum cleaner to clear the rear heat-sink of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit

Amplifier Panel



- 1. Amplifier "HI LEVEL" inputs**
Connect + and - wires between amplifier L+R outputs and speakers
- 2. RCA L+R LINE IN**
L+R inputs for line level audio signal
- 3. POWER LED**
Indicates mains power on
- 4. FREQ control**
Adjust cutoff frequency of crossover
- 5. VOLUME level control**
Adjust overall output of subwoofer
- 6. Mains fuse holder**
Replace only with approved type
- 7. Fig.8 Mains inlet**
Connect supplied mains lead here
- 8. Power switch**
Switches mains power ON/OFF
- 9. AUTO ON/OFF**
Select "Auto on" or "Always on"

Connection

Connect the M8S to the mains using the mains lead supplied or an equivalent, good quality fig.8 mains lead. Ensure that the mains voltage is as stated on the rear panel and the outlet has sufficient capacity to operate the sub.

Determine how the sub unit is to be configured. If already operating a stereo amplifier with 2 speakers, the M8S can be configured to "tap off" a signal from the amplifier output without affecting the power output of the left and right speakers.

Simply connecting the Left and Right amplifier outputs to the "AMPLIFIER HI LEVEL IN" terminals on the M8S and then from these terminals onto the left and right speakers effectively connects the M8S between the amplifier and speakers, which can simplify wiring, removing the need for a separate signal lead to the sub unit.

Alternatively, if a separate line level audio signal is available, connecting left and right RCA cables to the "LINE IN" connectors is preferred (left and right signals are fed independently to the speaker and are not electrically summed)

With the VOLUME control turned fully down, switch on the power on the rear panel. Once powered up, gradually turn the VOLUME up part way and play a signal through the system. Increase VOLUME as required to balance with top speakers.

Rotating the FREQ control will vary the cutoff frequency of the internal active crossover circuit. The ideal setting depends upon the program material, types of top speakers used and personal preference. Lower settings may require higher VOLUME adjustment to compensate for the extra frequencies that are removed from the signal.

Take care not to drive the sub unit too hard (usually denoted by a "knocking" or "flapping" noise from the speaker cone). Sub bass is difficult to hear over full range speakers and should be almost imperceptible in operation, simply adding warmth and fullness to the sound.

At the lower right-hand side of the rear panel is a selector switch marked "AUTO ON – ON"
 Selecting AUTO ON puts the M8S into an energy saving standby mode when no signal is present and automatically switches power to the amplifier when a signal is detected.
 Selecting ON keeps the amplifier powered up constantly.

The front grille frame is removable for studio monitor applications or where the speaker cone may not need protecting.

Before powering down, turn the channel gain controls fully down to avoid loud noises when switching off.

Specifications

M8S Subwoofer	
Power supply	220 - 250Vac, 50/60Hz, Fig.8
Driver	20cm (8") reinforced cone
Connections	Speaker level input terminals, RCA line level in
Cutoff frequency	45 - 150Hz
Rated output power	100W
Peak output	200W
Frequency response	50 - 250Hz
Dimensions	300 x 330 x 300mm
Weight	7.44kg

Troubleshooting

No power light on rear panel	Ensure IEC inlet is connected to mains and mains lead is in good condition
	Ensure mains outlet is switched on
	Ensure POWER switch is on
	Check mains fuse and replace if necessary with an approved type T1A fuse 5x20mm. If fuse keeps blowing, seek advice from qualified technician
Power light is on but no output	Check line input signal and connection leads
	Check HI LEVEL IN speaker leads are connected correctly and if top L+R speakers are operating correctly
	Ensure VOLUME level control is not turned fully down
Output is very distorted or “flapping” sound is heard from speaker cone	Ensure signal has some bass content and FREQ is not turned down too far
	Turn down the input level from audio source
Output is working but at very low level	Turn down channel VOLUME level control
	Ensure input source is high enough
	Ensure signal has enough bass content
	Turn up FREQ control to check if set too low
	Turn up VOLUME level control