

S100ETH SUB WOOFER AMP

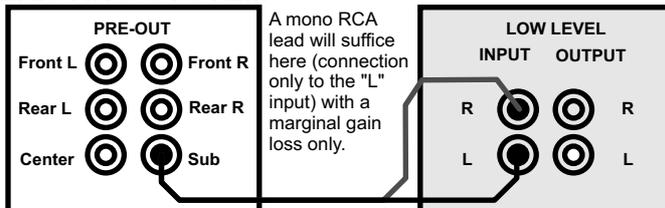
S100ETH CONNECTION INSTRUCTIONS

- Internally, the RED and BLACK wires connect directly to the speaker driver terminals. Black is negative (-), Red positive (+). Make sure the cable is sufficiently anchored and if extending, make sure your connection is correctly insulated. Do not apply power until you have double-checked all wiring and connections. The following is external connection options:
- For connecting the S100ETH to multi-channel surround sound amplifiers you will require an RCA adaptor lead, of appropriate length, that has 1x RCA plug to 2x RCA plugs. (See WES catalogue, section 8.) Connect this between the "Low Level INPUT" RCA terminals, both L & R, on the S100ETH. Connect the other end (1x RCA plug) to the "SUB WOOFER OUTPUT" terminal on your amplifiers rear panel.
- For connecting the S100ETH to a standard stereo amplifier you will require a stereo RCA lead, of appropriate length, that has 2x RCA plug to 2x RCA plugs. (See WES catalogue, section 8.) Connect this between the "Low Level INPUT" RCA terminals, both L & R, on the S100ETH. Connect the other end to the "PREAMP OUTPUT" terminals on your amplifiers/preamplifiers rear panel. This output **MUST** be *after* your amplifiers volume control so that your volume control will affect the subwoofers volume level too.
- "LOW LEVEL OUTPUT" is for connecting additional S100ETH sub woofer amplifiers.
- For connecting the S100ETH to an amplifier without PREAMP outputs you will either cut and split the existing speaker connection leads or acquire additional speaker connection cable, of appropriate length, to connect the S100ETH *Inline* with your normal speaker connection. (See WES catalogue, section 13.) Connect the speaker cable to your amplifiers speaker output terminals, connect this to the S100ETH "HILEVEL IN" terminals. Then connect the S100ETH "HILEVEL OUT" to your existing stereo speakers. Double-check your left & right, and the positive & negative polarity in all your speaker cable connections.

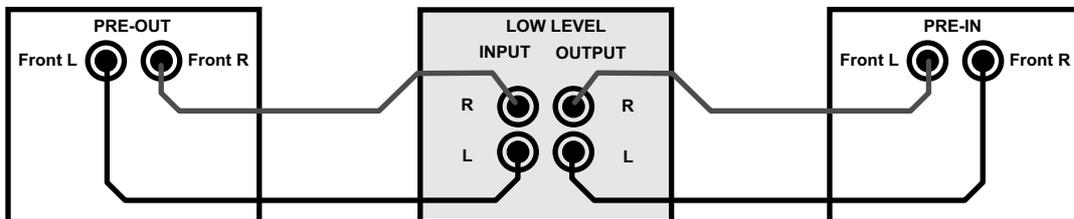
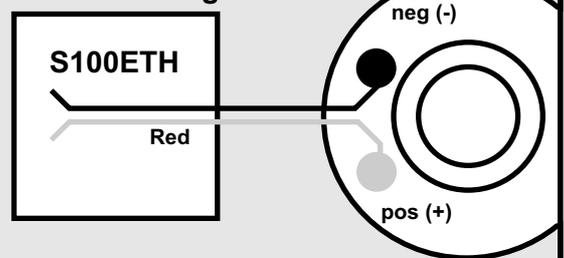
S100ETH ADJUSTMENT INSTRUCTIONS

Your existing stereo speakers have a low frequency cutoff (the lowest frequency possible to be produced by such a speaker), any sound below this frequency would not normally be heard, thus you acquired a sub woofer to reproduce these lower frequencies. The control labelled "PWR/PRT FREQ." will set this frequency where you want the sub woofer to take over. Check your Stereo speakers instruction manual for this value, or simply adjust by ear. A boomy bass sound means the frequency is too high (both the sub and your stereo speakers are generating bass) A mellow but slightly empty sound means the frequency is too low (a gap exist between the sub and the stereo speakers). Adjust the "GAIN" also. Unsatisfactory sound will also result if the S100ETH "PHASE" switch is set incorrectly. Try both selections. For connection to an amplifier with "Sub Out", set the frequency to maximum (180Hz) and make your adjustments via your amp (see its instruction manual). Generally, many hours of listening can occur before correct levels are accomplished. You should also experiment with the location of your sub woofer as this can dramatically improve performance.

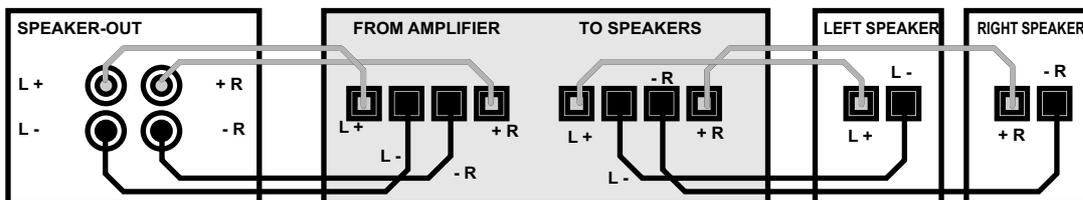
EXISTING SYSTEM



Internal wiring



EXISTING
POWER
AMP



EXISTING SYSTEM

S100ETH

EXISTING SPEAKERS