

OWNERS MANUAL

APU8SUM

HI-LO LEVEL SIGNAL SUMMING INTERFACE



APU8SUM SUMMING INTERFACE Owners Manual

output converters (LOCs) instead of the summing function. to your factory source unit. Channels 1-4 can be independently switched internally to function as stereo line to a single, low-level RCA output. The APUSSUM greatly simplies upgrading or adding an amplier (or ampliers) The APU8SUM is a unique interface with the ability to sum (or mix) multiple high-level/speaker-level signals together

Features

- 4 stereo speaker-level inputs
- 4 line-level stereo RCA outputs
- 1 stereo RCA aux-input
- Balance levels from multiple speaker-level sources
- Sums up to four speaker-level stereo pairs down to a single stereo RCA low-level output
- Each stereo channel is capable of both summing and line-output conversion; switched internally
- integrates portable media direct to your amp using aux-in and level control

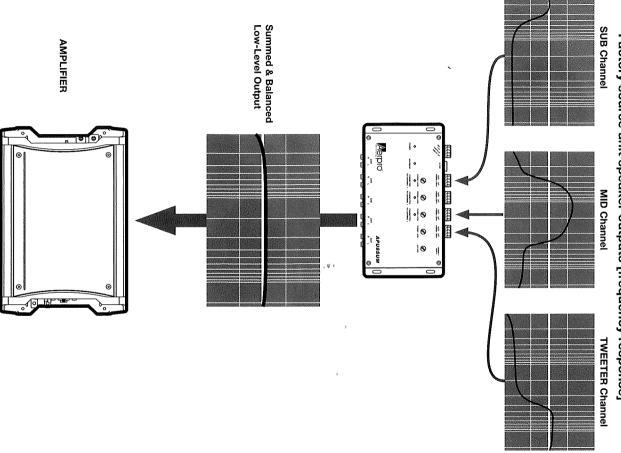
. # 0

PERFORMANCE

Max Voltage In	40V RMS
Max Aux-In Voltage	40V RMS
Max Voltage Out (Channel 1)	9V RMS
Max Voltage Out (Channel 4)	6V RMS
Signal-to-Noise Ratio (Channel 1)	90dB (ref. 1V)
Signal-to-Noise Ratio (Channel 4)	90dB (ref. 1V < 200Hz)
Remote Attenuation Range	0dB to -27dB
Frequency Response +0 / -1	20Hz-22KHz
Gain Range (Channel 1, 2, 3, 4)	-30dB to +4dB
Gain Range (Aux-In)	-65dB to +18dB
Fuse	2 Amperes
Width	10-1/2" (265mm)
Depth	5-3/4" (146mm)
Height	1-3/8" (35mm)

APU8SUM FUNCTIONAL EXAMPLE

Factory source unit speaker outputs [frequency response]*

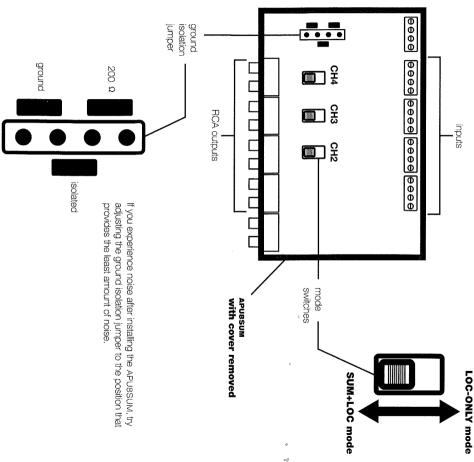


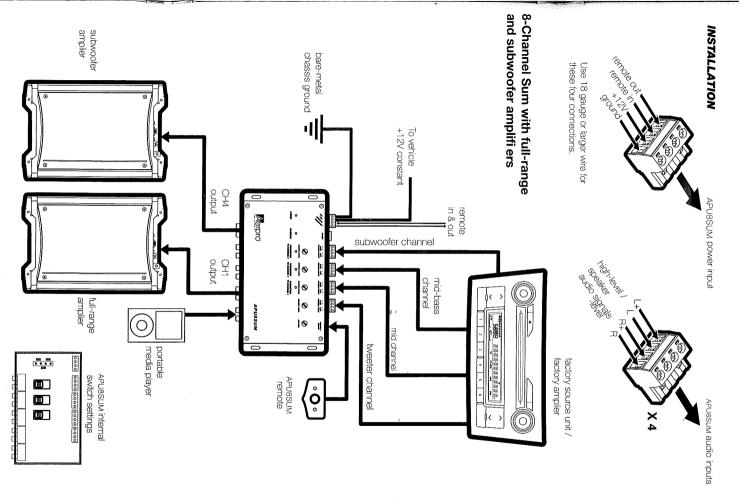
CONFIGURATION

(LOC) and line-output-conversion-only by ipping the internal switches, accessible by removing the cover of the Internal Mode Switches: Change the mode of channels 2-4 between summing plus line-output conversion APU8SUM.

connection to an amplier. Use LOC-ONLY mode to convert a channels input from high-level (speaker-level) to a low-level signal suitable for

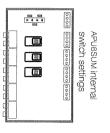
level then passed through to its corresponding output. Use SUM+LOC mode to mix the channel in question with Channel 1. The mixed signal appears on the Channel 1 output at low-level suitable for connection to an amplier. The channels original signal is also converted to low-

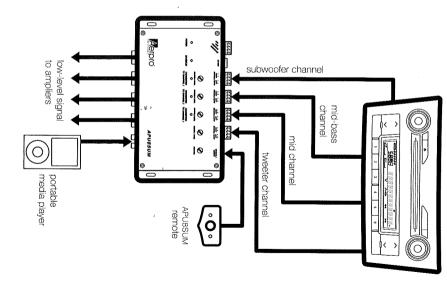




full-range amplifier 6-Channel Sum with bracket 1, mount the metal full-range amplier APU8SUM Remote Installation 0000 APUBSUM internal switch settings 0 2. slide the housing until it snaps into the metal bracket Aerpro subwoofer channel .0 output channel 1 0 .0 0 mid channel 0 0 tweeter channel 0 0 media player portable factory source unit / factory amplier 10 APU8SUM remote ô 0 back view

8-Channel LOC





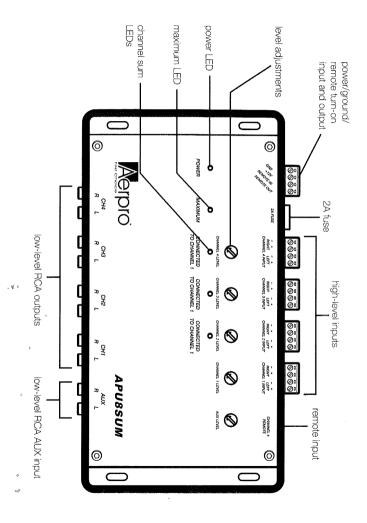
OPERATION

Maximum LED: This LED will illuminate when the signal level is slightly below clipping. When the APUBSUM input levels are properly set, this LED will icker when your stereo is operating at full volume.

Channel Sum LED: This LED will illuminate when the corresponding channel is being summed to Channel 1. See the **CONFIGURATION** section for further details.

system. You may wish to readjust the levels on the APU8SUM to taste. APUBSUM. Turn your source unit to approximately 3/4 volume. Adjust the level controls on the APUBSUM until the **MAXIMUM** LED is ickering. Turn your source unit to minimum volume. Reconnect your ampliers and test your Level Adjustment: Turn the gain on your ampliers to the lowest setting and disconnect them from the

devices. Use 18 gauge or larger wire. your source unit has been turned on. The REMOTE OUT terminal will then have +12V out for turning on other **Remote Turn-on:** Connect the remote turn-on lead from your source unit to the **REMOTE IN** terminal on the power connector. If a remote turn-on lead is not available, a 6V DC offset from Channel 1 will be detected when



input will be routed to both the Channel 3 and Channel 4 outputs. Channel 3 Signal Sense: If no signal is present at the Channel 4 input, the signal connected to the Channel 3

level control of the output of Channel 4.
As shown in the installation diagrams, we recommend always using Channel 4 as your subwoofer channel so that you can control the bass level with this remote. When the AUX-IN switch is depressed the Aux-in LED will illuminate, and the APURSUM source will be switched from the high-level inputs to the low-level AUX input.

