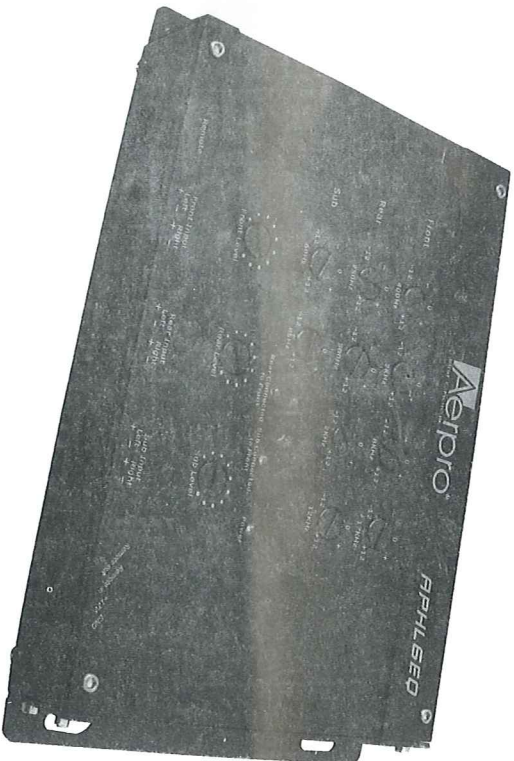


OWNERS MANUAL

Aerpro[®]
First Choice



PPHL6EQ

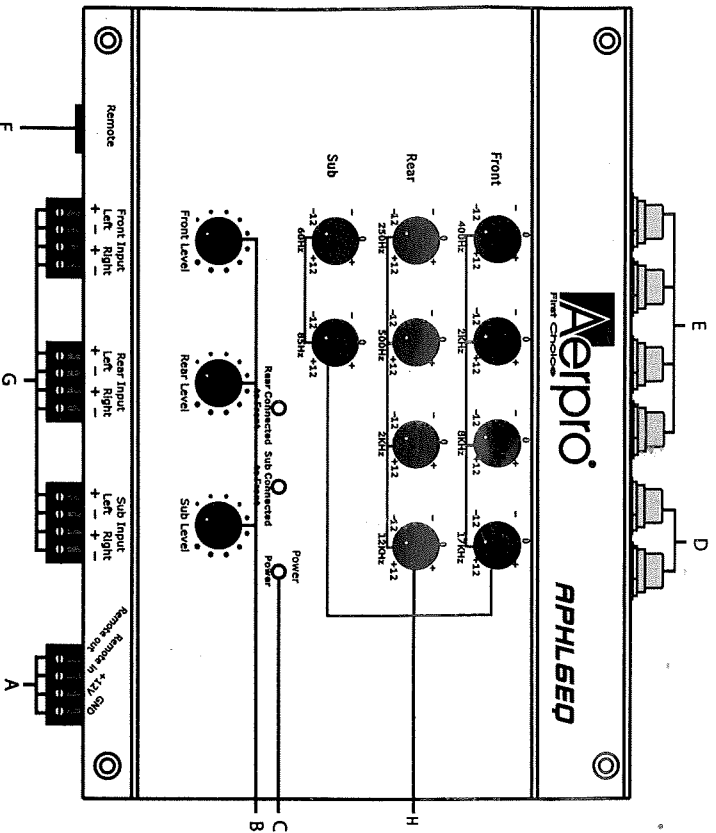
**6 CHANNEL LINE OUTPUT CONVERTER
WITH 10 BAND EQUALIZER**

Greetings

Welcome to **Aerpro**. We believe you will find our products to be as easy to install as they are to use. Our unique OEM integration products offer today's audio enthusiasts an alternative to replacing their factory installed CD receiver or Navigation unit and still enjoy world-class sound quality and performance.

APHL6EQ Specifications

•Maximum Input Voltage.....	50 V
•Maximum Output Voltage.....	9 V
•THD.....	0.01%
•Input Impedance.....	20K ohms
•Output Impedance.....	50 ohms
•Signal to Noise.....	>98dB
•Signal Sense Level.....	DC sense



Operation and Function

- Ⓐ Power Connections- These connections are for input power, chassis ground, and remote turn-on. Use a minimum of 18 gauge wire for power and ground connections. The power wire should be fused with a 1 amp fuse.
- Ⓑ Input Gain Adjustment- This control matches the input level of your APHL6EQ with the output level of your source unit.
- Ⓒ Power Indicator- This LED indicates when the APHL6EQ is powered on.
- Ⓓ RCA Sub Outputs- These RCA output jacks provide a full range signal to your amplifier.
- Ⓔ RCA Front & Rear Outputs- These RCA output jacks provide a full range signal to your amplifier.
- Ⓕ Remote Level Control- This port is for the remote level control (included). This remote allows the user to control the level of the Sub output channels up to the maximum adjustment level set on the APHL6EQ. This control does not add any additional gain, it only attenuates the level at which the APHL6EQ was set.
- Ⓖ High Level Inputs- Each terminal block allows for a high level left and right channel signal to be input from the source unit. All three inputs (Front, Rear, and Sub) are full range inputs.
- Ⓗ 10 Bands Equalizer: There are 10 different frequencies or bands that can be adjusted. Each band has an available adjustment of +/- 12dB

Installation Guidelines

INSTALLATION PRECAUTIONS

- Always mount the unit in a fashion so that it can be easily accessible for making adjustments.
- Avoid mounting the unit to subwoofer enclosures or high vibration areas.
- Do not cover the unit with carpet or any other material.
- Do not mount the unit in the engine compartment or anywhere that it will be subject to high temperatures, (ie, direct sunlight or heater) moisture, dust or dirt.
- Use rubber or plastic grommets to protect wires when routing them through metal.
- Always keep signal wires away from high current power wires.
- The ground connection should always be the first connection made.

WIRING INSTRUCTIONS

Ground Connection (GND)

The main ground connection should be made between the Gnd terminal on the unit and a metal part of the vehicle close to the mounting location. This wire needs to be as short as possible to minimize the possibility of induced noise. You should use 18 gauge wire or larger for the ground connection. The metal point on the vehicle where the ground connection is made needs to have all paint removed and be scuffed down to the bare metal. The ground wire should have a ring terminal soldered to it and be bolted directly to the vehicle with the use of a star washer. Do not ground the unit near existing (factory) ground points. These areas generally have multiple devices grounded to them and can cause induced noise.

Power Connection (+12V)

The main power connection should be made at the battery. This will ensure that the unit receives the best possible connection to minimize noise. There must be an inline fuse (1 amp) placed in series with the unit. The fuse should be within 18" of the battery. You should use 18 gauge wire or larger for the power connection. The power wire should have a ring terminal soldered to it and be bolted to the vehicles battery. Do not install the fuse in the holder until all the systems connections have been made.

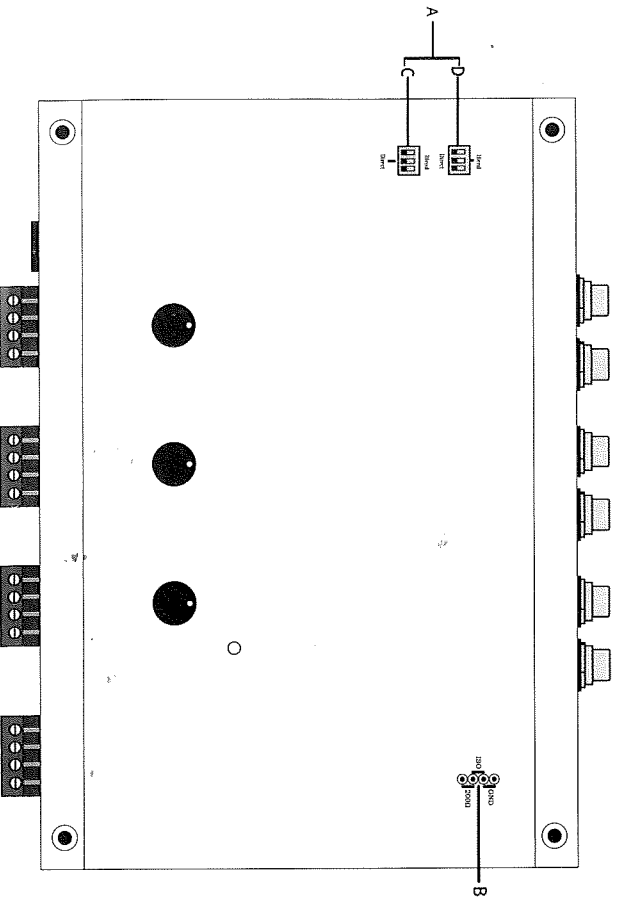
Remote In

This unit is turned on by applying +12 VDC to the remote turn-on terminal. This terminal should be connected to the remote lead from the car stereo. This remote lead from the source unit will trigger a +12V output only when the car stereo is turned on. If the source unit does not provide a remote turn on you can use the accessory terminal in the cars fuse block. This will however turn the unit on and off with the key, regardless of whether the source unit is on or off.

Remote Out

This unit is equipped with a signal sensing circuit that can detect a signal on its input and provide a +12V output signal to turn on an aftermarket amplifier. Connect this to the remote terminal on an aftermarket amplifier.

Internal Switch/Jumper Options

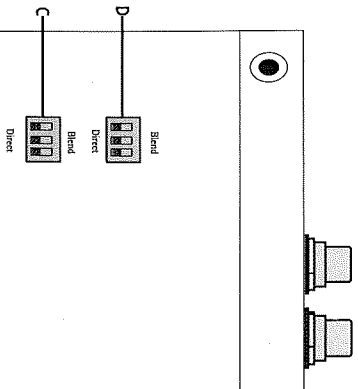


* APHL6EQ shown with top cover removed.

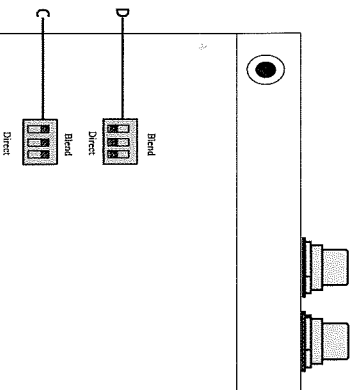
- (A)** Blending Switches- These Switches are used to select either a Direct (separate) or a Blended (summed) output. In the direct position the signal on an individual channels input will come out the same channels output. In the blended position the signals on the front and rear channels and/or the signal on the rear and sub channels can be combined. Switches D is used to blend the inputs of the rear channel. Switches C is used to blend the inputs of the sub channel. When all the Switches (C & D) are in the blended position, the front, rear, and sub channel inputs are blended and the signal is sent to blended outputs.
- (B)** Isolation Jumpers- This jumper provides three different ground isolation options for the input of the APHL6EQ. The three input options include GND, Isolation, and 200ohms. Make sure the APHL6EQ is turned off before making your selection.

Internal Switch Options

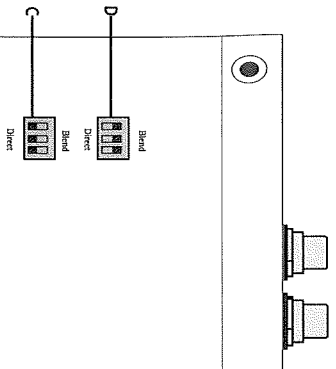
ALL CHANNELS IN DIRECT MODE



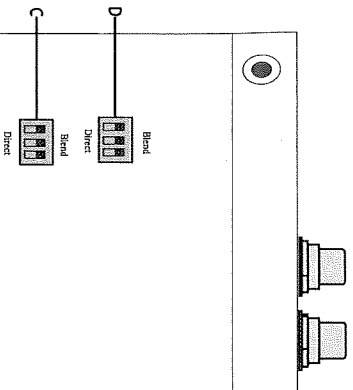
REAR CHANNEL IN DIRECT MODE,
FRONT AND SUB CHANNELS IN BLEND MODE



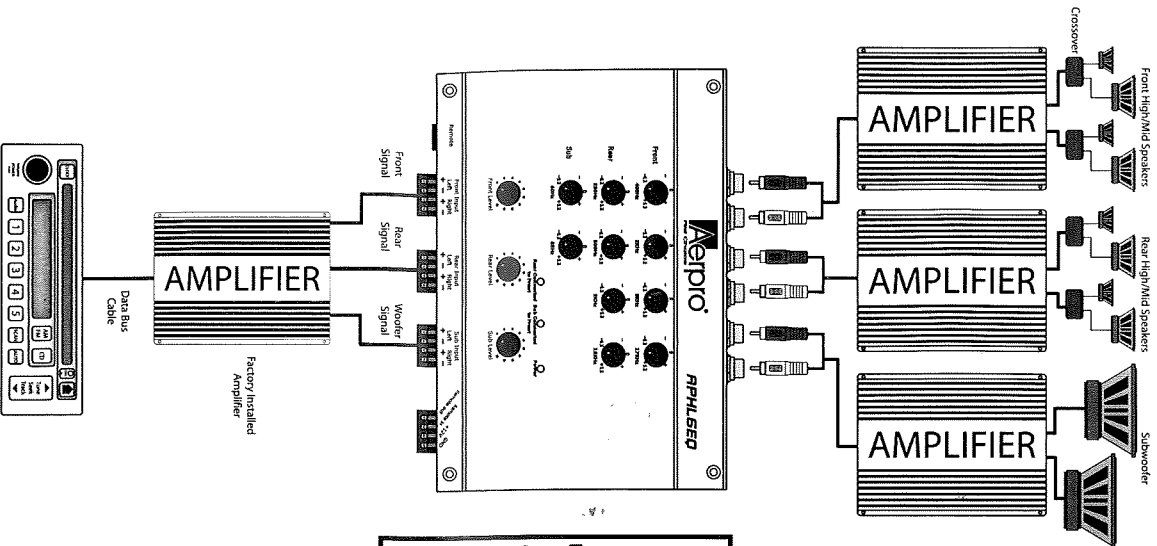
SUB CHANNEL IN DIRECT MODE,
FRONT AND REAR CHANNELS IN BLEND MODE



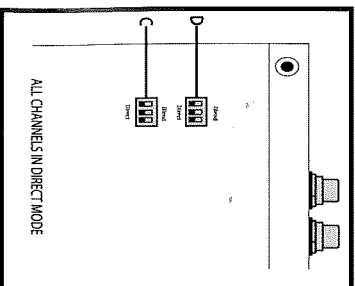
ALL CHANNELS IN BLEND MODE



Example System #1

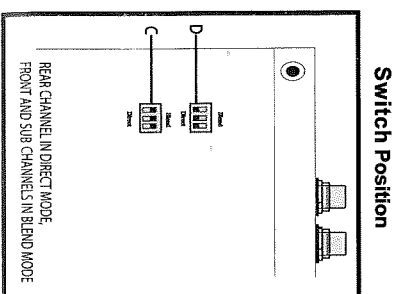
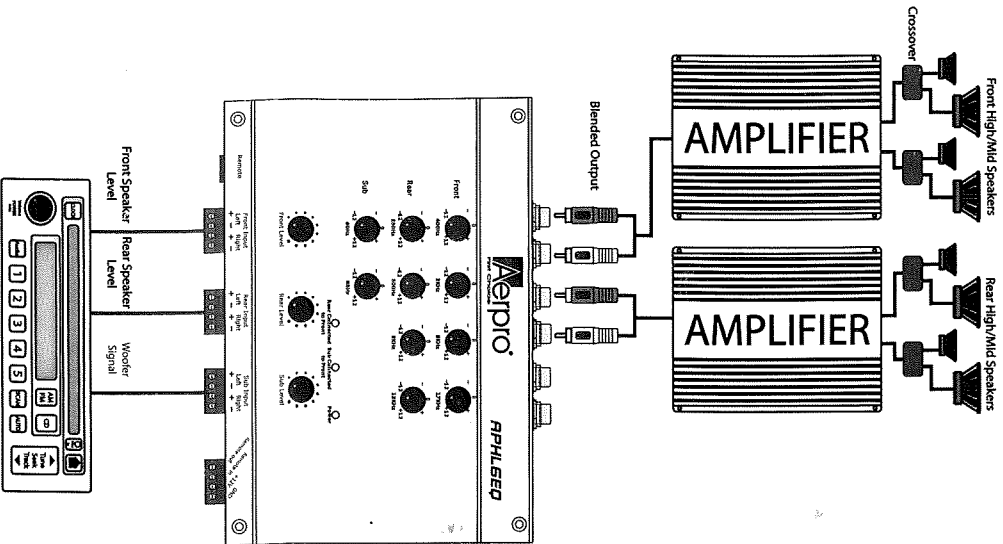


Switch Position



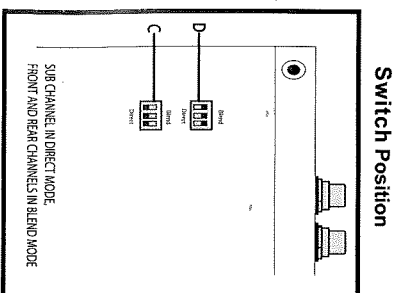
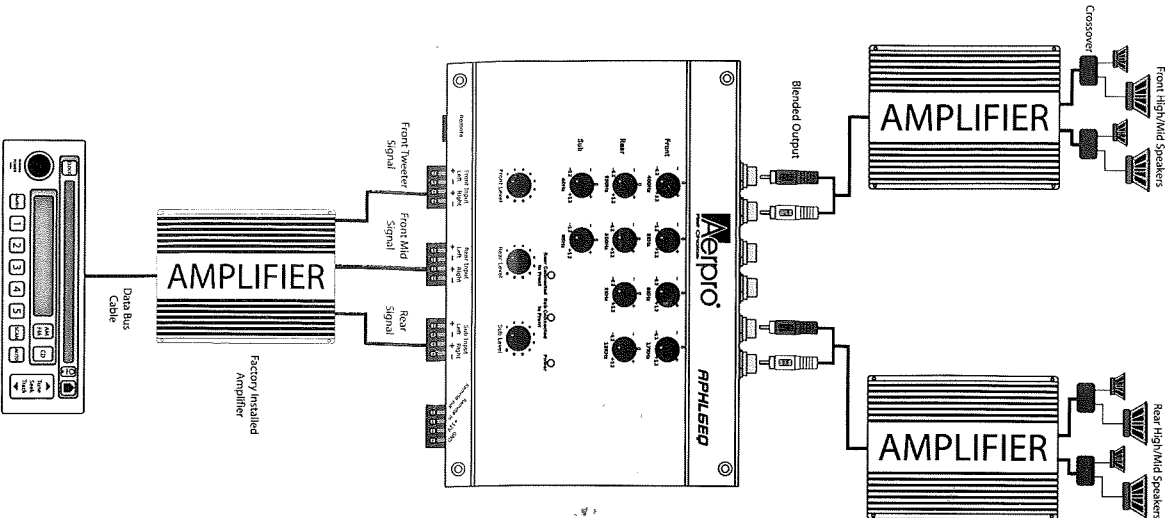
APL6EQ configuration for a full range high level 6 channel system in direct mode.

Example System #2



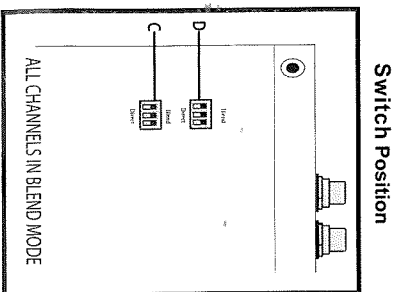
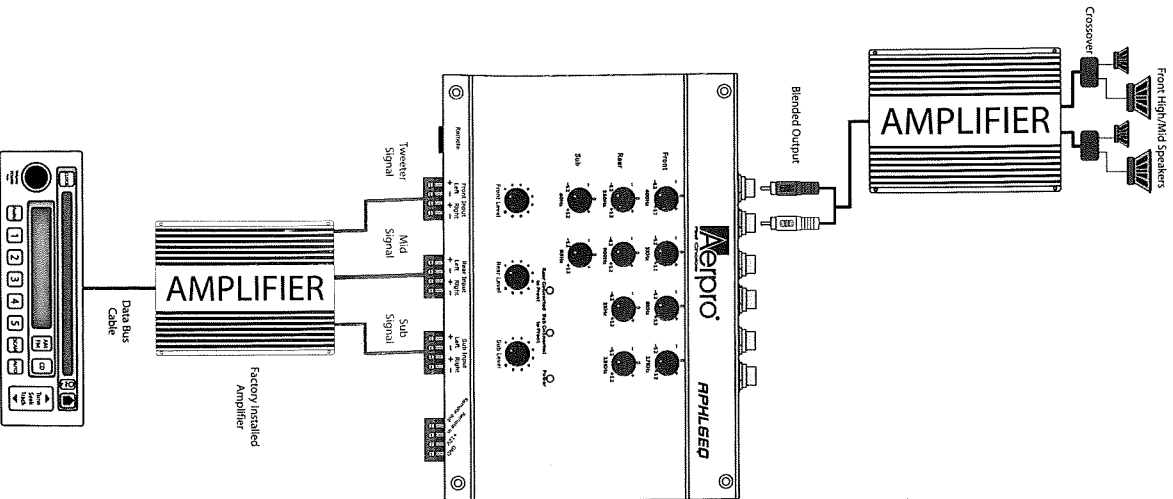
APHL6EQ configuration for a 2 way front plus sub system using the blend mode on the front and sub channels.

Example System #3



APHL6EQ configuration for a 2 way front plus rear system using the blend mode on the front and rear channels.

Example System #4



APHL6EQ configuration for a 3 way front system using the blend mode on all channels.