OWNERS MANUAL

Aerpro®
First Choice

APHL4

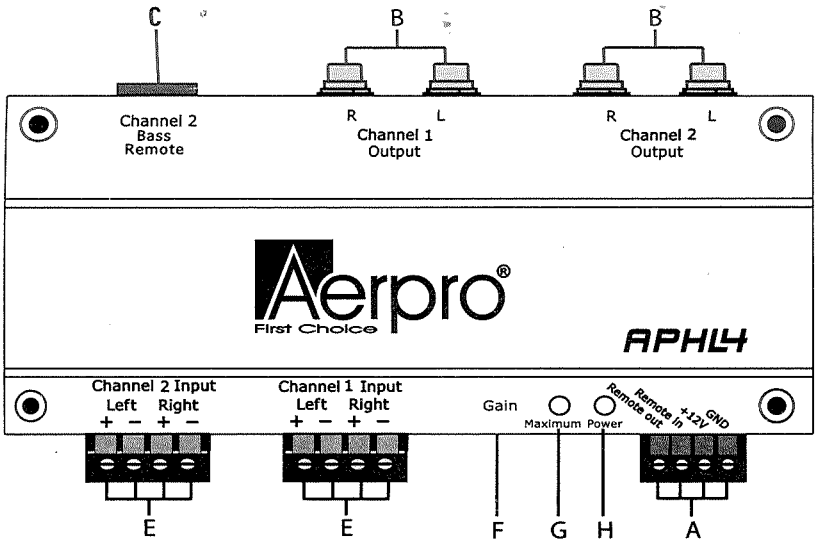
LINE DRIVER / LINE OUTPUT CONVERTER

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.

Specifications

•Maximum Input Voltage	20 V
•Maximum Output Voltage	10 V
•THD	0.01%
•Input Impedance	>20K ohms
•Output Impedance	30 ohms
•Signal To Noise	>87dB
•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.

Ⓑ RCA Outputs- These RCA ouput jacks provide signal to your amplifer.

Ⓒ **Remote Bass Booster- This Remote can supply a +/-18dB bass booster at 45Hz to Channel 2 .**

Ⓔ High Level Inputs- This terminal block allows for a high level left and right channel signal input from the source unit. Use this if your source unit does not have RCA outputs.

Ⓕ Input Gain Adjustment- This control matches the input level of your cloc+d with the output level of your source unit.

Ⓖ Maximum Indicator- This LED indicates when the signal is at its maximum level before distortion occurs. When the input "Gain" adjustment is set correctly and the source unit is at its maximum volume this LED should ficker intermittently.

Ⓗ Power Indicator- This LED indicates when the cloc+d is powered on.

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 frst 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.

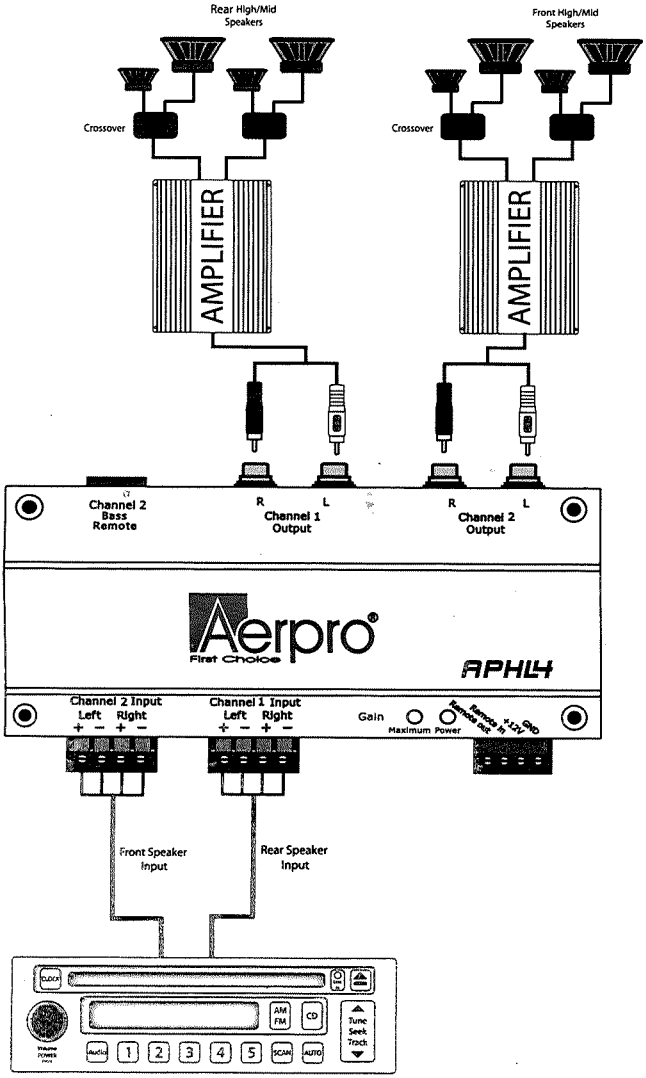
Remote In

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.

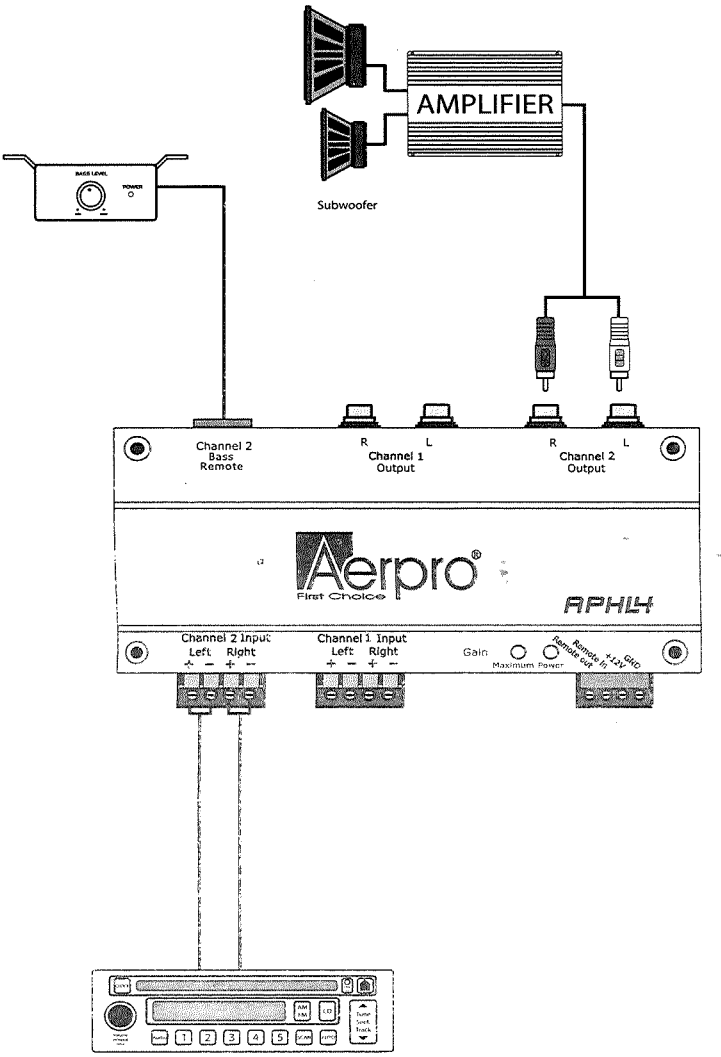
Remote Out

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.

Example System #1



Example System #2



Example System #3