

Owners Manual



HIGH LEVEL CONVERTER WITH REMOTE OUTPUT

**MODEL: HLC22 (2 CH)
HLC24 (4 CH)**

1. INTRODUCTION

Thank you for purchasing this GAS car audio product! We at GAS are committed to create great products for you by following our simple, yet powerful, premise: **Offer more, charge less!**

To ensure proper use of your purchased product, please carefully read through this manual before using the product. It is especially important that you read and observe caution's in this manual. Please keep the manual in a safe and accessible place for future reference.

2. INSTALLATION

HLCS22/24 is designed to convert (2/4) channel(s) of speaker level audio into (2/4) channel(s) of line level audio and can be used for OEM amplifiers. It can also be used with OEM radios to add aftermarket amplifiers. This device will also detect the presence of an audio signal and then generate a +12V output that can be used to turn-on an aftermarket amplifier.

The HLCS22/24 converter should be installed on a stereo's speaker output wires or the output wires on an OEM amplifier of up to 150 watts per channel. These wires can be found behind the stereo in the dash, on the outside of an OEM amplifier, or on the input terminals on the OEM speakers.

Remote output will trigger instantaneously when the HLCS22/24 detects a DC voltage on the white, left + audio input wire above 5V or a very low audio signal. It will shut off 60 seconds after no signal is detected

Please refer to the wiring diagram for the correct input connection.

3. WIRE DIAGRAM

The audio and power input wire colors are standard for car stereo applications as follows:

Input wire

(HLCS22/ 24)	White = left front (+) input	(Trigger for remote)
(HLCS22/ 24)	White/Black = left front (-) input	
(HLCS22/ 24)	Gray = right front + input	
(HLCS22/ 24)	Gray/Black = right front (-) input	
(HLCS24 only)	Green = left rear (+) input	
(HLCS24 only)	Green/Black = left rear (-) input	
(HLCS24 only)	Purple = right rear (+) input	
(HLCS24 only)	Purple/Black = right rear (-) input	

Power harness

(HLCS22/ 24)	Yellow = battery +12v input	
(HLCS22/ 24)	Black = power (-) ground input	
(HLCS22/ 24)	Blue = remote +12v output	
(HLCS22/ 24)	Brown = reference ground (-)	(Can be connected to ground if there is problem with alternator noise etc.)

4. TIPS AND ADVICE

Carefully check that all audio input connections are connected correctly according to the wiring diagram. Wrong connection will result in poor bass response and low quality audio.

Adjusting the HLCS22/24 for best performance:

After completing/checking all of the necessary connections, turn the HLCS22/24 adjustment pots all of the way down by rotating them completely counter-clockwise.

Now, turn the stereo system on and adjust the main volume control on the stereo to approximately $\frac{3}{4}$ maximum volume. Select one of the adjustment pots on the and turn it slowly clockwise until you notice audio distortion and then stop.

Turn the remaining pots to the same position as the previously adjusted pot.

The audio set-up of the HLCS22/24 is now complete.

5. SPECIFICATIONS

- Up to 150 watts RMS maximum input without overheating
- Crossover distortion correction input circuit
- 6:1 Step down with variable output
- 500mA Remote trigger output
- Shutdown 60 sec after no detected signal

