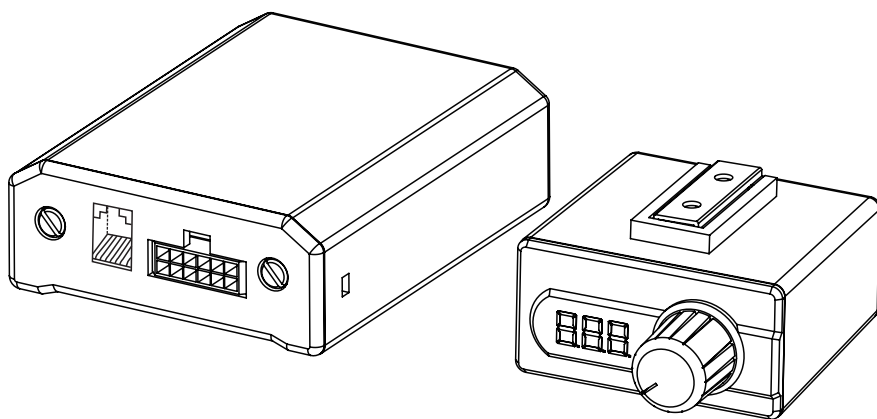


## USER MANUAL



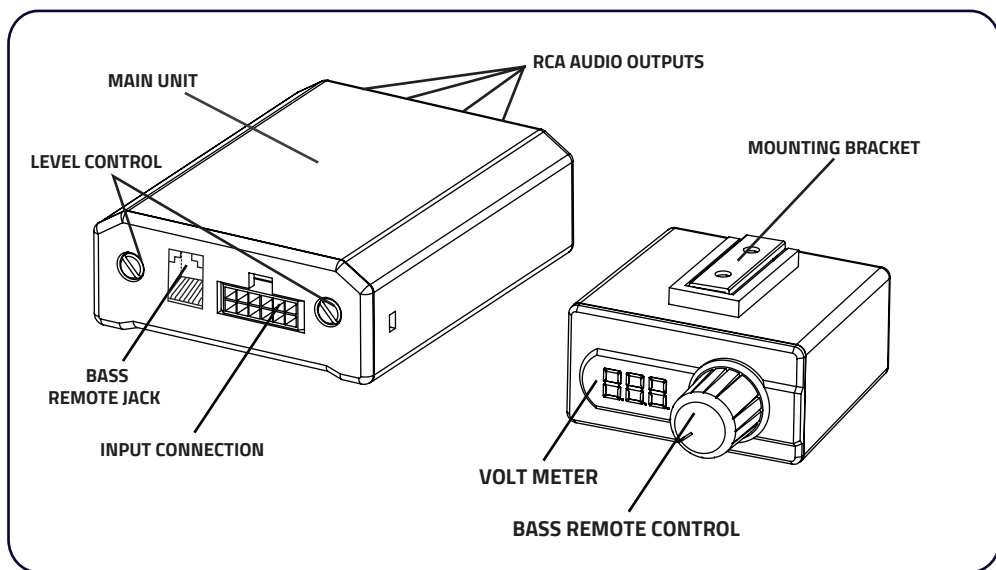
# HLCL34

4-Channel line output converter with  
bass remote & volt meter

### INTRODUCTION

The Auto-Connect HLCL34 converter is used to convert speaker wire (high level) to RCA (low level) outputs for with the purpose to add a 4-channel or mono amplifier to an existing factory or aftermarket stereo system. The HLCL34 also includes a convenient remote-mountable volume control with voltage meter for precise control over subwoofer amplifier level from up front in the vehicle.

### PRODUCT OVERVIEW



### WIRING TIP

For an easier installation, connections can be made of the rear speakers in many vehicles without the need to remove the stereo! The HLCL34 will output a +12V remote output on the blue wire when signal is detected from the stereo's speaker wires.

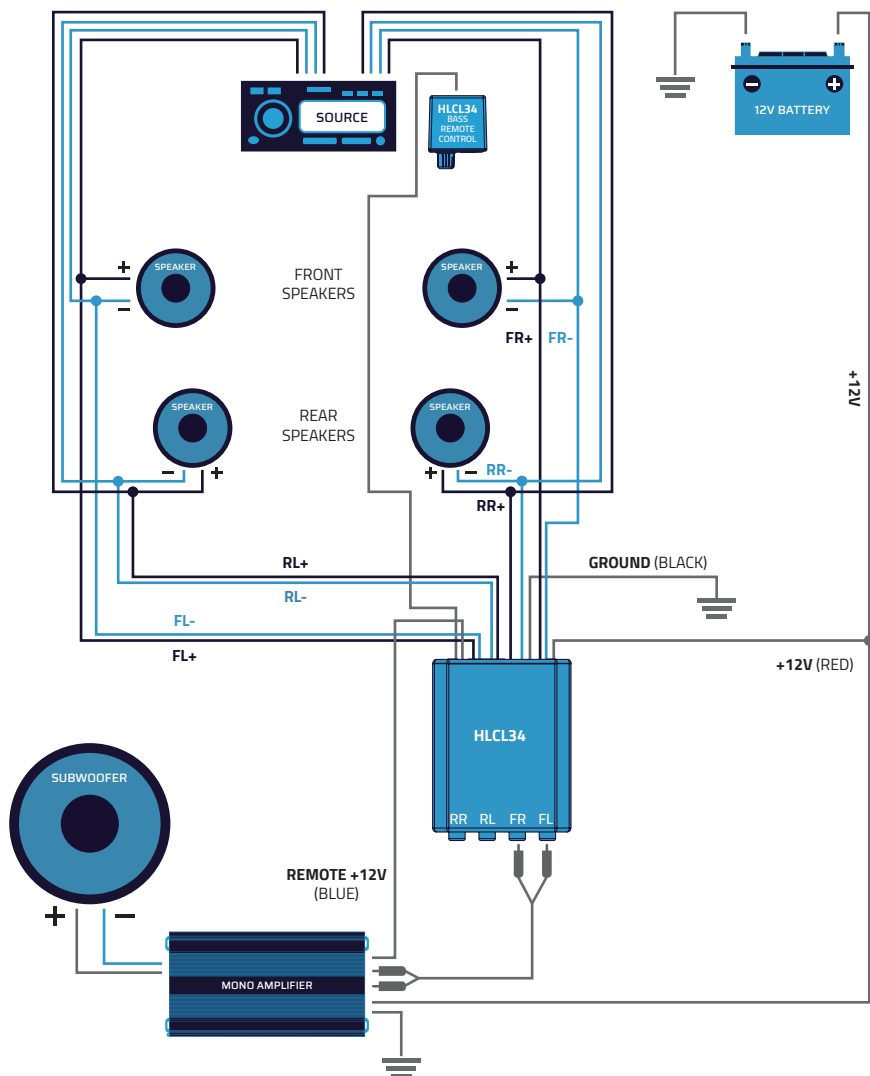
### WIRING INSTRUCTIONS

Read the instructions below carefully to perform a correct installation of the HLCL34 converter to your system. **CAUTION!** Wire colors on the HLCL34 may differ from the wiring color codes found on your stereo/vehicle. All the speaker input wiring can be performed at the vehicle's speaker location or behind the stereo itself.

1. Connect the black wire to chassis ground (vehicle metal).
2. Connect the red wire to a +12V power source. (TIP: If the amplifier is installed nearby, you can tap the red wire from the HLCL34 into the amplifier's +12V battery terminal or wire).
3. Connect the front left speaker's +/- input wires to the white and white-black input wires of the HLCL34.
4. Connect the front right speaker's +/- input wires to the gray and gray-black input wires of the HLCL34.
5. Connect the rear left speaker's +/- input wires to the purple and purple-black input wires of the HLCL34.
6. Connect the rear right speaker's +/- input wires to the green and green-black input wires of the HLCL34.
7. Connect the blue wire to the amplifier's "remote turn-on" or "REM" input. Always refer to your amplifier's manual for wiring details/functions of your particular amplifier.
8. Connect the four RCA audio outputs of the HLCL34 to the 4-channel amplifier's inputs (RED = right channel, WHITE = left channel). Connect the RCA FR & FL outputs of the HLCL34 to the amplifier that will use the Level Control function.  
**NOTE!** Level Control only works on the RCA FR & FL outputs.

**CAUTION:** Some mono sub amplifiers may have only a single RCA input. You can choose either the left or right signal from the HLCL34, but it is advisable to use a y-adaptor to combine the signals together for a maximum signal level.

### WIRING DIAGRAM



### WIRING COLOR CODES

**CAUTION!** Wire colors on the HLCL34 may differ from the wiring color codes found on your stereo/vehicle. Always refer to the stereo's manual for wiring details/functions for your particular stereo. The wire color codes used on the HLCL34 conform to the standards set by the E.I.A. (Electronics Industry Association).

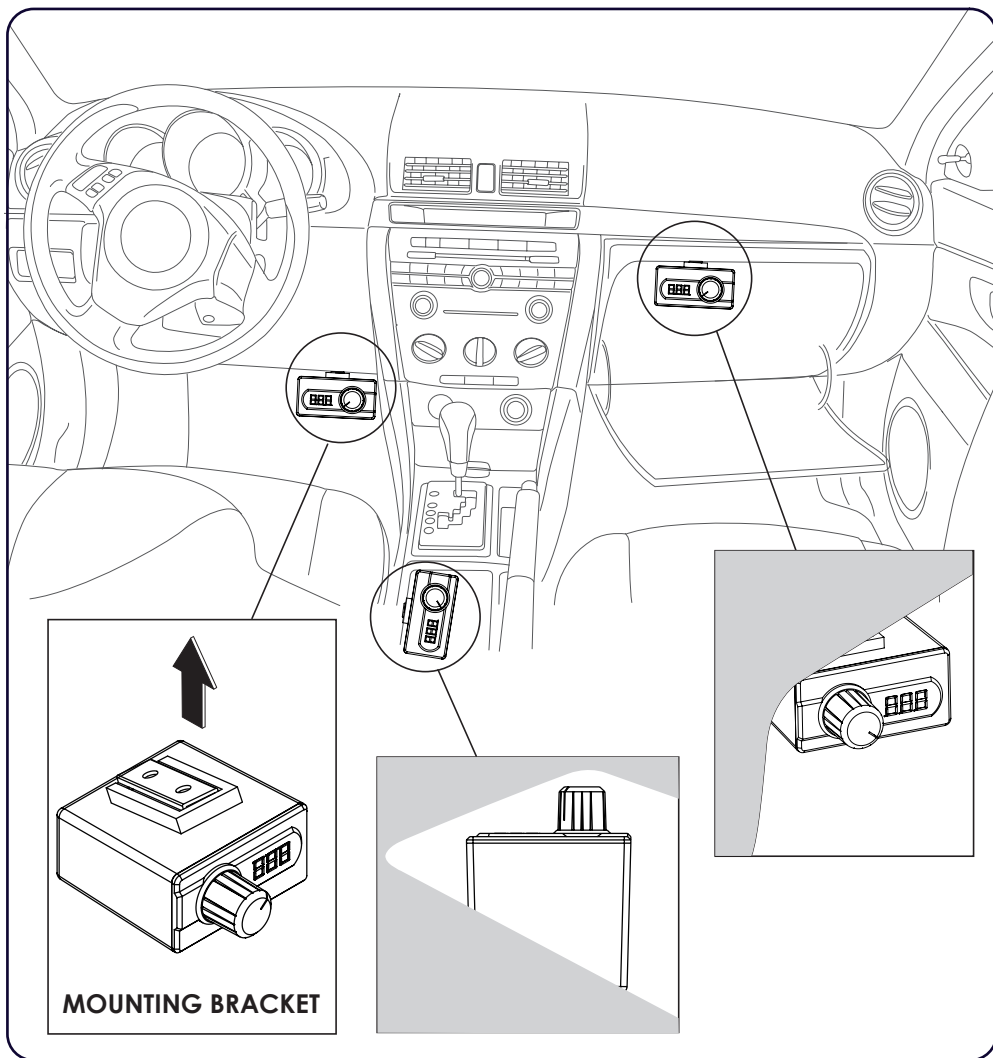
- **White = Left front positive input (LF+)**
- **White/black = Left front negative input (LF-)**
- **Gray = Right front positive input (RF+)**
- **Gray/black = Right front negative input (RF-)**
- **Purple = Left rear positive input (LR+)**
- **Purple/black = Left rear negative input (LR-)**
- **Green = Right rear positive input (RR+)**
- **Green/black = Right rear negative input (RR-)**
- **Red = +12 volt power input**
- **Black = Chassis ground (vehicle metal)**
- **Blue = +12V remote output (amp turn-on)**

### REMOTE BASS CONTROL

The HLCL34 includes an optional remote-mount volume control to attenuate/control the new AMP/SUB system level. Choose a location accessible to the driver, passenger or both. See the drawing on the following page for suggested locations.

**CAUTION!** Check for obstructions at the chosen location before mounting/routing the volume control.

## SUGGESTED REMOTE CONTROL LOCATIONS





The crossed-out wheeled bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: dispose of them at a recycling point. For info on your nearest recycling point, check with your local waste authority.

Products marked with the RoHS symbol complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.

The product with the CE mark indicates that it has passed the corresponding conformity assessment procedure and the manufacturer's declaration of conformity, and it complies with the relevant EU directives, and is used as a pass for the product to be allowed to enter the European Community market. Relevant directives require industrial products to be affixed with the CE mark. Those that do not have the CE mark shall not be marketed.

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