

BRUTUS
ELITE

HIFONICS

BE40-AMPLIFIER AUTO-SENSE TECH GUIDE



IMPORTANT



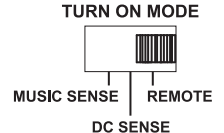
This amplifier has a special feature for integration with factory audio systems or other inputs that will require the use of the “high level” input. Failure to use these feature correctly will cause the amplifier to not turn-on. Please read this notice carefully.

The amplifier features an innovative AUTO SENSE turn-on circuit. It is only used when adapting your source unit to high level inputs and allows you to avoid the purchase of an expensive LOC or Line Output Converter.

To use the feature you will need to modify a set of RCA adapters to allow your factory radio or source unit to feed signal into the amplifier inputs.

LOW LEVEL

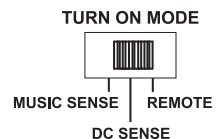
If you are using normal RCA outputs from a source unit with a standard turn on wire – this switch should be in the REM ON position.



NOTE - If the RCA's are plugged into the amplifier and the TURN ON MODE is in the DC ON position, the amplifier will NOT turn on. Please re-read this document or hire a professional installer.

HIGH LEVEL

If you are using a factory radio (OEM) to drive the amplifier input.
Switch to DC ON



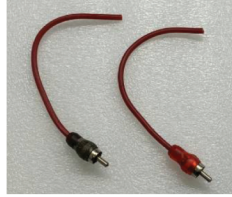
When the amplifier is in the DC on/Autosense the amplifier will turn on when it senses a audio signal (playing music). It will also turn off when it senses there is no audio signal (no music playing). In this configuration you will not need to wire the REM (remote turn on wire).

Connecting a RCA cable directly to a HIGH level input (speaker wire output) the next steps is how to modify a set of RCA's to connect them to a HIGH level input

Next, you need to make this quick adapter with a spare set of RCA cables.

You will need: Wire Cutters, Soldering Iron, Heat shrink (or electrical tape), and Impedance Meter.

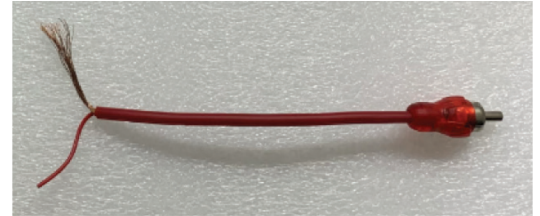
Step 1) Take a pair of RCA's and cut one end off.



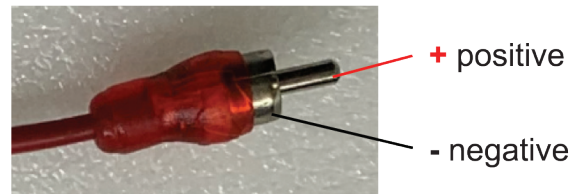
Step 2) Strip back the plastic shielding.



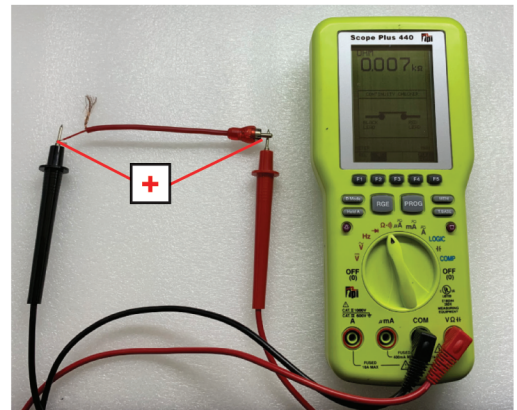
Step 3) After removing the plastic sheathing there will be two separate wires. Next, you will need to test with a multimeter to determine which is positive and negative.



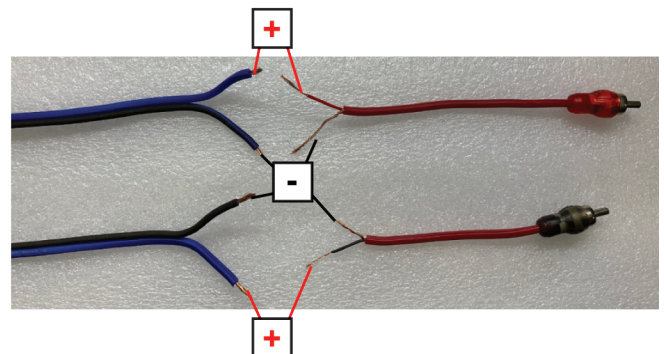
Step 4) Connect these four contacts to your speaker connections from your radio or powered source unit.



Step 5) Using a multimeter select OHM/continuity and put the leads on the RCA end and the stripped wire to determine which wire matches the center pin of the RCA connector.



Step 6) Once it is determined which stripped wire is (+) positive and (-) negative you would wire that to your high output (speaker wires) from your source unit. Then make your solder connections.



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HF BE40 AUTOSENSE - rev1