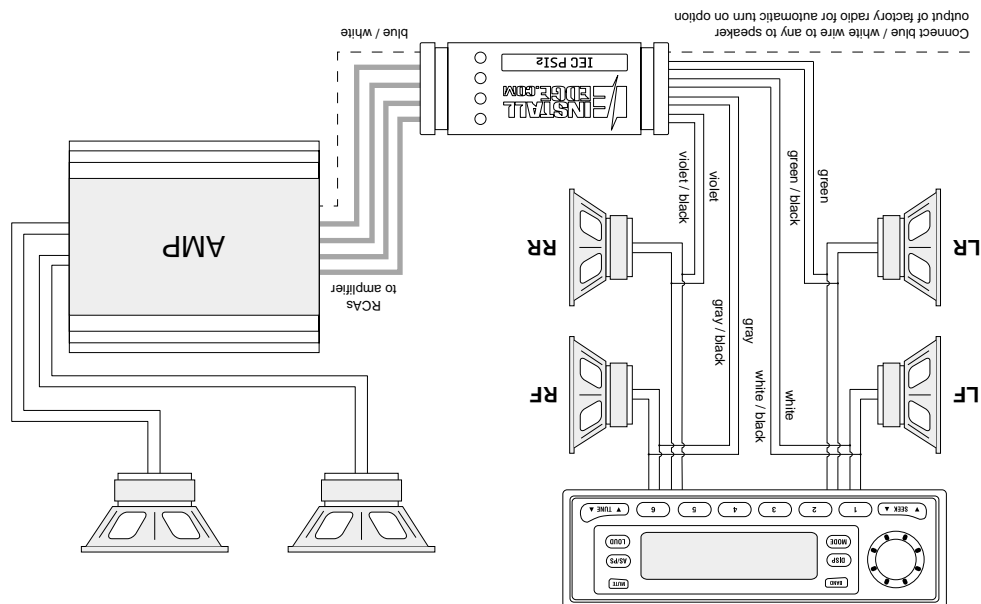


The factory radio speaker outputs are connected to the IEC PSI-2 inputs and the new amplifier. Referring to the wire color chart, connect the factory radio speaker (+) outputs to the solid color wires and the (-) outputs to the black striped wires. Example, LF speaker outputs of the factory radio connects to the white wire (+) and white/black (-). Continue for the remaining channels. The IEC PSI-2 provides an amplifier turn on signal. To use, connect the blue/white wire on the IEC PSI-2 input side to one of the positive speaker wires or to any source that provides 3.5 volts DC or greater. The blue/white wire on the output side will provide 12 volts to turn on the new amplifier. Connect the red (+) and black (-) wires to switched vehicle power. Adjust the output level controls as needed using a small screwdriver.



Add an aftermarket radio to a standard factory radio that does not have factory amplifiers

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IEC PSI₂

Universal Premium System Interface and Controller

plus remote turn-on for amplifiers or power antenna

The IEC PSI-2 can be used for the following configurations and system types.

- Four channel lineout converter for adding amplifiers to a standard factory speaker system.
- Installing an aftermarket radio to a common grounded speaker system like the early Fords.
- Adding aftermarket amplifiers to a factory premium amplified system.
- Replacing a premium factory radio with an aftermarket stereo and use the factory amplifiers.

The IEC PSI-2 also includes a remote turn-on for amplifiers or a power antenna, providing 2 amps at 12 volts when 3.5 volts or greater is applied to the input side. This is useful for low voltage triggers like those used in Fords or for automatic triggering when audio is present. The output "turn on" is delayed 2 seconds to prevent turn on pops.

INPUT WIRING COLORS

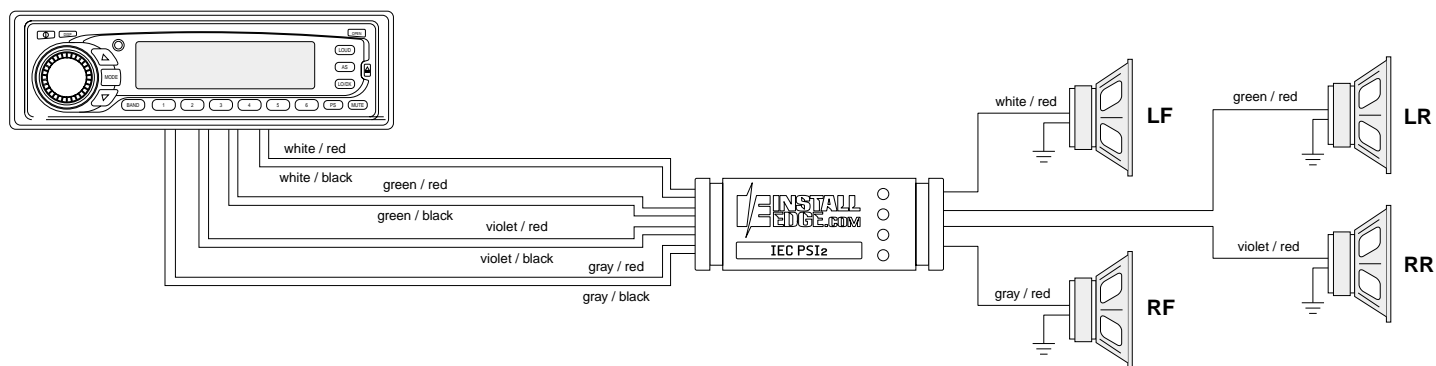
White	LF (+) speaker level
White/red	LF (+) low level / common gnd.
White/black	LF (-) common
Gray	RF (+) speaker level
Gray/red	RF (+) low level / common gnd.
Gray/black	RF (-) common
Green	LR (+) speaker level
Green/red	LR (+) low level / common gnd.
Green/black	LR (-) common
Violet	RR (+) speaker level
Violet/red	RR (+) low level / common gnd.
Violet/black	RR (-) common
Yellow	Constant battery
Red	Switched power
Black	Gnd. neg. power
Blue	Power antenna turn on
Blue/white	Amplifier remote turn on 3.5 v min.
Orange	Illumination dimming

OUTPUT WIRING COLORS

White	LF (+) low level output
White/red	LF (+) common gnd. speaker
White/black	LF (-) common
Gray	RF (+) low level output
Gray/red	RF (+) common gnd. speaker
Gray/black	RF (-) common
Green	LR (+) speaker level
Green/red	LR (+) common gnd. speaker
Green/black	LR (-) common
Violet	RR (+) speaker level
Violet/red	RR (+) common gnd. speaker
Violet/black	RR (-) common
Yellow	Constant battery
Red	Switched power
Black	Gnd. neg. power
Blue	Power antenna turn on
Blue/white	Amplifier remote turn on/ 2 amp
Orange	Illumination dimming

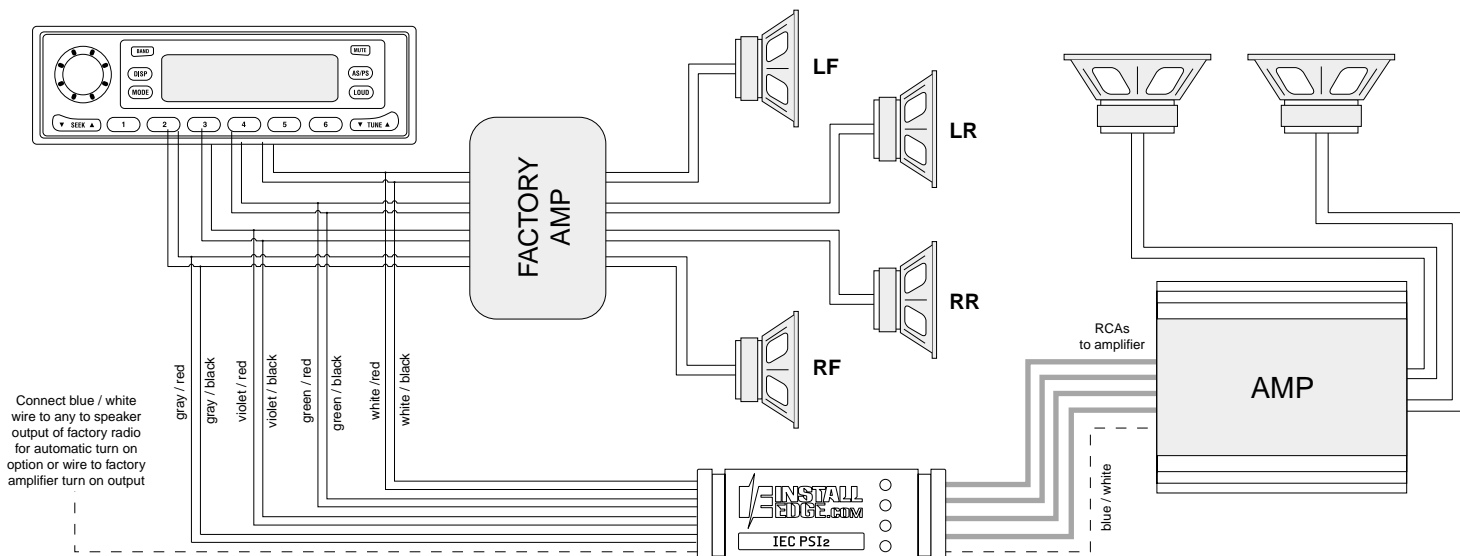


Replace factory radio with an after market radio and use the factory common grounded speakers and wiring



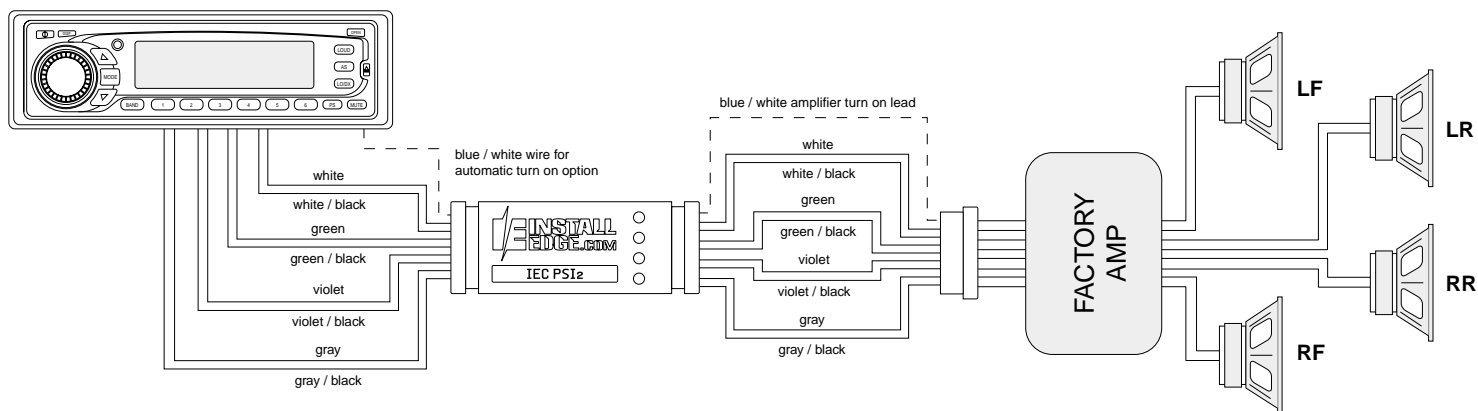
Referring to the wire color chart, connect the new stereo positive speaker outputs to the red stripped wire on the input side of the IEC PSI-2. Connect the negative speaker outputs to the black stripped wires of the IEC PSI-2. On the output side of the IEC PSI-2 connect the red stripped wires to the vehicle positive speaker wiring. The negative side of each speaker is then grounded to the chassis. The output level control on the IEC PSI-2 will not function in this configuration.

Add after market amplifier to a factory premium amplified system (Bose, JBL, etc.)



Referring to the wire color chart above, connect the audio output leads of the factory stereo to the input of the IEC PSI-2, using the red stripped wires as the positive input and black stripped as negative. Most premium systems use a low-level signal from the stereo to the factory amplifiers, therefore use the low level input of the IEC PSI-2. Some factory amplified systems use common audio returns and grounded shields. Do not cut the shield wire or attempt to use it as an audio signal wire. Determine if your system has two common audio return wires, one for the front channels and a second for the rear channels. If so, connect the negative input wires (black stripe) for the front channels of the IEC PSI-2 to the common audio return wire in the vehicle for the front channels. Do the same for the rear channels. If the vehicle has only one audio return wire for all channels connect all of the black stripped wires to it. The output level controls can be adjusted with a small screwdriver.

Replace the factory premium radio with an after market radio/deck and retain use of factory amplifiers and speakers.



Referring to the wire color chart above, connect the speaker outputs of the new radio to the IEC PSI-2, using the positive, solid color, and the negative black stripped wires for all four channels. On the output side of the IEC PSI-2 connect the solid color wires (+) and the black stripped wires (-) to the factory harness leading to the factory amplifiers. If there are common audio return wires (-) used in the vehicle for either the front and rear channels then connect the negative outputs of the IEC PSI-2 to them. If there is only one audio return wire for all four channels connect all the black stripped wires to it. Connecting the constant power (yellow), switched power (red), ground (black), antenna trigger (blue), illumination (orange), and amplifier turn on (blue/white) through the IEC PSI-2 simplifies wiring to the vehicle. The output level controls can be adjusted with a small screwdriver.