



Dual Band CA -819 Amplifier Installation Manual

Page 1 of 2

Note: Before installing the Cyfre™ Amplifier, please read the entire contents of this manual.

Section # 1 Parts List

Item	Qty	Description
1	1	Cyfre™ Amplifier
2	1	2 Meter (78") DC Power Cable



Section # 2 Tools and Other Materials Required

Item	Description
1	Electric drill (as required for signal amplifier mounting holes)
2	Screw driver
3	Qty 4 screws (length and type as required for signal amplifier mounting)
4	Wire cutters / strippers
5	Qty 2 wire connection insulators or insulating material (as required for DC power cable connection to 12V DC system)

Section # 3 WARNINGS!

- ▼ **Directly wired vehicle antennas must be mounted a minimum distance of 20 cm (7.87") away from the body of any user or nearby persons and the antenna.**
- ▼ Mounting a signal amplifier in the engine cavity or on the underside of the vehicle will void the manufacturer's warranty.
- ▼ Subjecting the amplifier to voltages greater than 30 Volts DC will damage the amplifier and void the manufacturers warranty.
- ▼ Any vehicle with an electrical system of greater than 30 Volts DC should use a step-down voltage regulator to bring the voltage within the DC operating power range of the amplifier (10 to 30V dc).
- ▼ Under no circumstances should the amplifier be powered up without a properly connected 50 ohm 800/1900 MHz dual band cellular/PCS antenna or the amplifier may be damaged, resulting in the manufacturer' warranty being void.
- ▼ For optimum performance and compatibility with cellular service provider requirements, it is recommended that an external antenna with a maximum gain of 3dB be installed.
- ▼ Use of cellular amplifiers with antennas of higher gains than 7dBi gain is in violation of FCC regulations for which the offender will be fully liable, and warranty claims will be voided.

It is recommended that only certified automotive installation technicians install this product in a vehicle. Installation by any other person is at the risk of the vehicle owner and operator.

Section # 4 Installation Selecting a Suitable Location To Mount The Signal Amplifier

Locate a suitable place to mount and conceal the signal amplifier. Suggested mounting locations include: under the dashboard, under the seat, or in the trunk. For peak performance the signal amplifier should be mounted as close to the phone handset as possible. The amplifier's location should be easily accessible and mounted away from moving parts, as well as excessive heat and moisture.

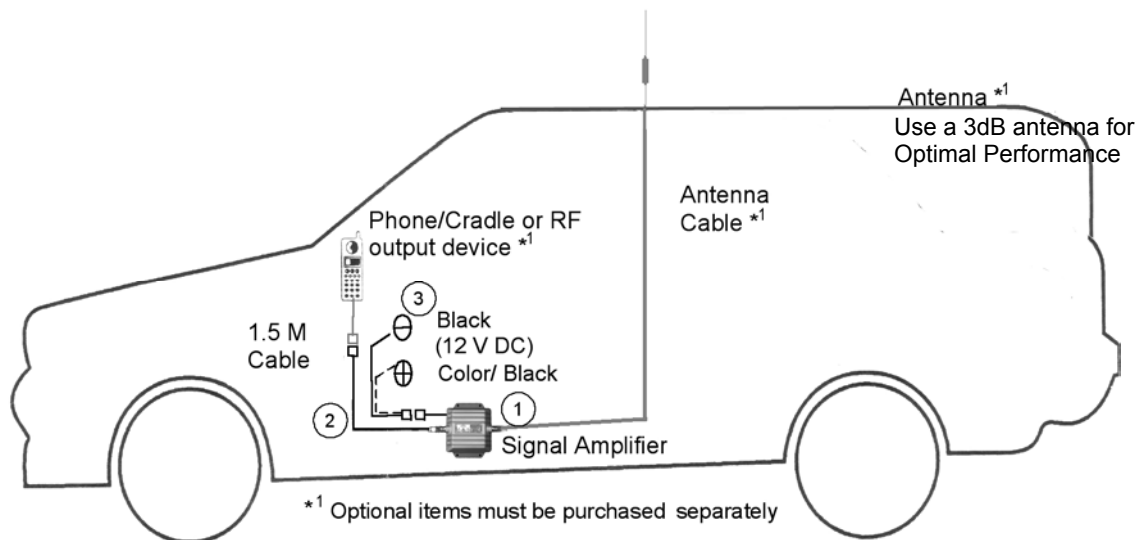


Section # 5 Installation Cautions

- ▽ Use caution to avoid drilling through or near fuel lines or fuel tanks; brake lines; or electrical wiring.
- ▽ Do not mount the signal amplifier or its associated wiring in a location that may interfere with the safe operation of the vehicle.
- ▽ If the fuse is changed from the 3 amps to a higher rating the warranty is void. Purchaser of the amplifier would be responsible for the repair of the unit.
- ▽ Caution: Connection to the negative side with the positive lead will cause damage to the amplifier.

Section # 6 Installation Of The Signal Amplifier

To meet the FCC Exposure Guidelines, the antenna should be installed so there is at least 20 cm of separation between the body of the user or nearby persons and the antenna.



Typical Installation For Under The Seat Mounting

1. For safety, disconnect the vehicle's negative "-" battery terminal to remove power from the vehicle.
2. Drill holes or Velcro tape and mount the signal amplifier (ITEM 1) in the selected location.
3. Connect the coloured striped black wire of the supplied 2 Meter (78") power cable (ITEM 2) for the signal amplifier to a positive connection on the vehicle's electrical system. Choose a 10 to 30 Volt DC circuit that is: fuse protected; and ignition switched. (Often referred to as the "Accessory output")
4. Attach the solid black wire of the supplied 2 Meter (78") power cable (ITEM 2) to a vehicle electrical ground point.
5. Attach an external antenna cable (7dbi max) to the amplifier's input connector. The output connector on the amplifier is connected to a cellular phone handset via a RF cradle or an RF cable, or connect the optional RF cable for your handset, from the cellular handset to amplifier port labelled "Phone".
6. Reconnect the vehicle's negative "-" Battery terminal.

Section # 7 Limited Warranty

Cyfre™ warrants that this product is free from any defects in material or workmanship for a period of one year. If a defect in material or workmanship is found, Inteligain Corporation agrees to repair or replace the product at its own discretion, free of charge to the original purchaser. Please return the product along with proof of purchase to the original authorized dealer. This warranty is null and void if the product has been modified, abused, tampered with, subjected to abnormal conditions, if the fuse is changed to a higher rating than 3 amp, or transferred to someone other than the original purchaser.