

PARROT CAR KITS INSTALLATION NOTES

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IMPORTANT Metra 6100 or 7100 Series harnesses can be used to ease the installation in many cases.

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Parrot CK3000 Evolution kit contains:

- Electronic control box
- Microphone
- Keypad with a green “On” button, red “Off” button and a Volume/Menu Access Scroll Wheel
- ISO car radio harnesses (2)
- Manual

Parrot CK3100 adds LCD display instead of Keypad

Parrot CK3300 adds GPS receiver antenna

Electronic control box

Try to mount the control box in an accessible location, away from HVAC unit. Do not install the control box close to the heater or to the air-conditioning system.

Protect the control box from direct sunlight. Avoid installing the box inside of a metal enclosure, such as a glove compartment. (This will adversely affect the quality of the Bluetooth connection.)

Microphone

The microphone should be directed towards the driver, and should preferably be installed between the visor and rear-view mirror. The distance between the microphone and the user should be between 16 and 20 inches. Make sure no ventilation duct is pointed into the microphone.

Keypad/LCD

Installation of the Keypad or LCD Display should be in an easily accessible place, on a clean, flat surface. Connect the Keypad or LCD to the connector of the mute cable. Install LCD away from direct sunlight.

Mute cable and Power cable

The power cable is identified by its two gray ISO connectors with the notch located on the side.

The mute cable is identified by its two black ISO connectors with the notch located in the middle.

IMPORTANT (CK3100/CK3300 only). Properly installed kit must say Good Bye on LCD and stay On for another minute or so after the car is turned off. If that does not happen and the kit shuts off at once, invert the Orange (Ignition) and Red (Battery) wires, by removing fuses and switching wires. That should fix the problem.

1. BASIC INSTALLATION WITH ISO CONNECTORS

Installation in a Car with Radio with ISO sockets (see Diagram)

1. Disconnect the speaker harness and the power harness from the back of the car radio
2. Connect the mute cable and power cable female connectors to the back of the radio
3. Connect the speaker harness to the black male connector of the mute cable
4. Connect the power harness to the gray male connector of the power cable
5. If the car radio has a Mute input, connect the isolated yellow wire of the mute cable to one of the cables labeled "Mute In 1", "Mute In 2", "Mute In 3" of the power cable. Consult the car radio manual to determine the location of the mute input.

Important:

The red wire on the power cable must be connected to the constant +12V (battery wire)
The orange wire must be connected to the switched +12V (ignition wire)
The black wire must be connected to the electrical ground

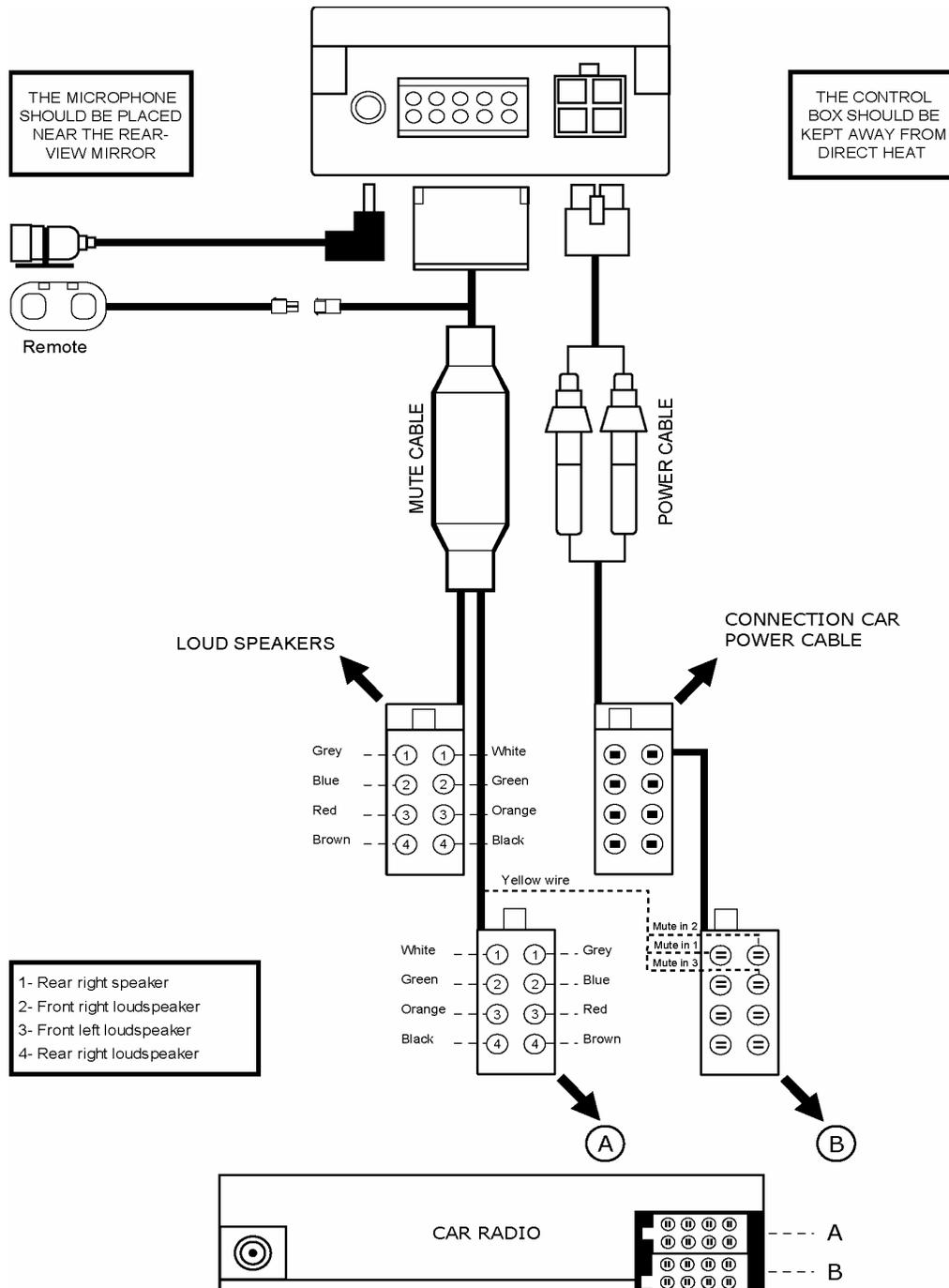
Check the electrical diagram of the ISO power harness.

On some vehicles, the pin assignments of the battery wire and of the ignition wire are switched. The positions of the red and orange wires must be inverted. It is done by opening the fuse holders, and switching the two wires.

Do not connect the orange wire to the constant +12V (battery wire), you run the risk of draining the battery.

Check that the red and green lights go on and off with the ignition.

DIAGRAM



2. USING CAR SPEAKERS FOR CARS WITH AMPLIFIERS, BUT NO VEHICLE-SPECIFIC ADAPTERS

If the car radio is pre-amplified and if Parrot does not offer a vehicle-specific harness for the car and radio configuration, it is still possible to install the Parrot, so that the sound comes through the car speakers and the car radio can be muted. To do it, you'll need to splice in.

1. SPLICING SYSTEM IN

Splice the wires and connect them one-by-one (eight wires total). You will need to connect the following:

- a. Of the Power Harness: Orange to Ignition, Red to Battery, Black to Ground
- b. Of Mute Harness: Yellow with metal tip to Mute Input or Mute Relay, Blue+/Green- to the right speaker, Red+/Orange- to the left speaker. Remember to use the Female part of the harness (the one with metal pins inside).

You can splice *after* the amplifier. This way the system will not only run the speakers with its own built-in amplifier, but will mute the radio through the supplied Mute Relay. If additional mute is required, please install additional Mute Relay on the head unit ignition wire and place Parrot's Mute wire (Yellow with a metal tip) into that Relay if your radio does not have the Mute Input or Wire in the back. The radio will be grounded every time the phone is active.

Remember that car radio warranty may be lost when wires are spliced. That depends on manufacturer and dealer policies.

BOSE Stereos

To make Parrot work with BOSE system you will need to splice in *before* the amplifier with a resistor (BOSE uses 2 Ohm speakers).

3. USING EXTERNAL SPEAKER(S)

In some cases, you may want to or may have to use external speaker or two speakers instead of the car speakers.

We recommend using speaker(s) with a power of approximately 6W and 4 Ohms.

The connection to the power cable remains the same as in a basic installation.

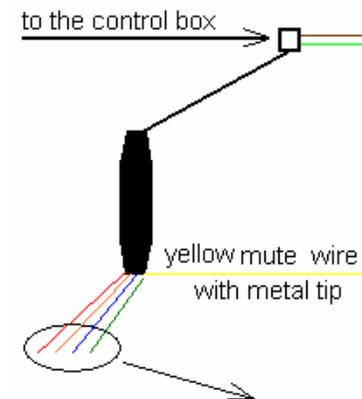
The connection between the mute cable and the speaker(s) is made by selecting one or two front speaker pair(s) on the male ISO connector of the mute cable.

The front right pair (blue+ /green-) or the front left pair (red+ /orange-) will work. Cut the pair selected and connect it to the auxiliary speaker.

You may want to clean up by connecting the male and female ISO connectors of the mute cable (not functionally needed)

Note: The sound level will be too low if you use a pair of one of the rear speakers.

Mute Harness



- Wires spliced from "female" part of the harness are recommended to be connected to the front speakers only.
- Place mute wire into MUTE input in the back of the radio or into additional relay installed on the radio ignition wire.



Power Harness



4. VEHICLE SPECIFIC ADAPTERS FOR CARS WITHOUT AMPLIFIERS

Parrot Car Kit comes with ISO connectors. Vehicle-specific adapters may be used (not supplied in the box) to avoid any splicing. If you do not have an adapter, you will need to connect the wires one by one.

The Parrot mute cable has two black ISO connectors. The Parrot power cable has also 2 grey ISO connectors. Each of these four connectors is uniquely identified by a locating notch or pin.

Similarly, the adapter cables have four uniquely identified ISO connectors. There is only one way to assemble the ISO connectors of the adapter cables to the ISO connectors of the Parrot cables.

One vehicle-specific connector is then connected to the car radio and the other vehicle-specific connector is connected to the vehicle-specific connector, which had been removed from the car radio.

If the car radio has a "mute" input, connect the yellow wire on the mute cable to it.

5. VEHICLE SPECIFIC ADAPTERS FOR CARS WITH AMPLIFIERS

The Parrot mute cable is used, except for Porsche, Audi, and VW where a complete replacement cable is installed.

The power is brought back from the amplifier, located in most cases in the rear of the vehicle. Only a ground in the front of the vehicle is needed.

The four ISO connectors brought back from the rear of the vehicle are uniquely identified by a locating notch or pin. There is only one way to assemble the four ISO connectors of the adapter cables to the four ISO connectors of the Parrot cables.

If the car radio has a "mute" input, connect the yellow wire on the mute cable to it.

The volume is too high

- Keep the connections between your radio and your amplifier / speakers as they are now.
- Take the Mute cable. You will need to use just one part of this cable: the connector and the single black cable that goes to the control box. Cut it from the rest of the cable. Inside this black cable, you will find one blue wire, one red wire and one white wire.

- You will need to connect these three colored wires to an adapter SPEAKER - LINE. These colored wires will need to be plugged behind your radio into the line plugs. They will therefore need this adapter that you can find in electronics stores, i.e. Radio Shack.

- Once you have the adapter, you will have to plug the red wire into the line plug +, the white wire into the line plug -, and the blue wire into the Mute input of the radio. The other side of the single black cable needs to be plugged into the control box of the kit.

6. ADDITIONAL TIPS

6.1. Mute Issues

6.1.1. Mute Polarity

A ground signal is needed to operate the mute (not a12V).

6.1.2. Radio without a mute

If there is no mute input on the car radio, use a small relay to break the connection and disconnect the ignition input to the radio (and the CD). You may have a cycling on the antenna due to the power loss, but you can also avoid it by using a slightly more complex relay.

6.1.3. No sound out

Please check the mute cable connections. The "mute cable" should not be connected to the rear speakers. The sound of the phone conversation is muted on the rear speakers and is sent only on the front speakers.