

Parrot MULTICAN for BMW 2 cars

Parrot MULTICAN is a unit able to control Parrot H/F kits with the car's steering wheel commands working with ANALOG STEERING WHEEL COMMANDS with OEM headunit installed.

This unit is available in two versions, one working with the CK3000 Evolution, another for the CK3100



Compatibility car models :

X3 : 2003 - 2007	X5 : 2005 – 6/2006
Z4 : 2004 - 2007	



Parrot Reference :

If you are interested, contact our sales department: sales@parrot.fr

For Parrot CK3000 EVOLUTION

- Parrot MULTICAN : **PI090001AA**

For Parrot CK3100 LCD

- Parrot MULTICAN : **PI090002AA**



Depending on your vehicle's steering wheel controls, there are several possibilities for using a hands-free kit with the steering wheel controls:

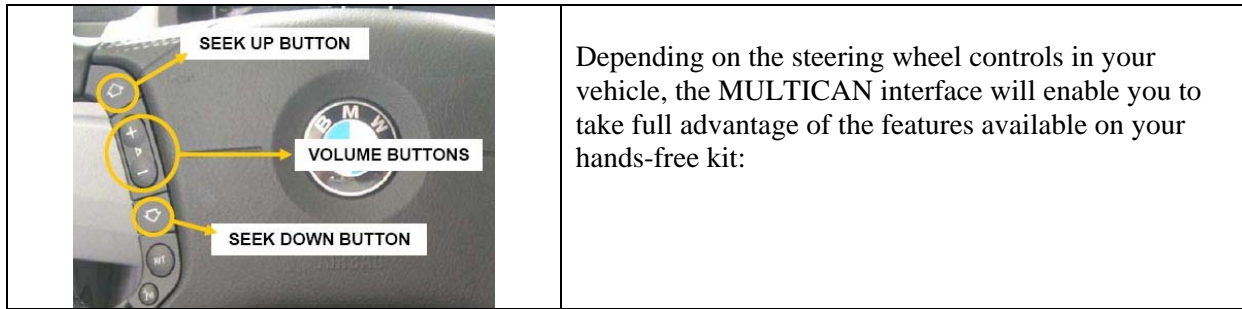
- Mode 1:** the steering wheel does not feature any phone button, but only volume adjustment controls ("Volume (+)" and "Volume (-)" buttons)
- Mode 2:** the steering wheel features a single "Phone" button
- Mode 3:** the steering wheel features an "Answer" button and a "Hang up" button

Mode 1 is used by default, in this mode; no specific phone button buttons are used.

Mode 2 is immediately activated when a "Phone" button is pressed. The interface instantly detect that the steering wheel contains this specific button.

With BMW steering wheels configuration, you can use either **Mode 1** or **Mode 2**.

Mode 1: Using with the volume adjustment buttons

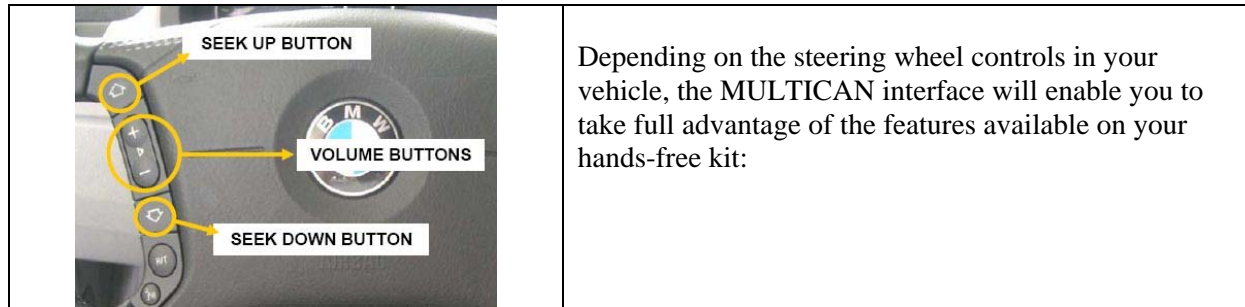


<ul style="list-style-type: none"> • Answer an incoming call: 	<p>Press the "Volume (+)" button.</p>
<ul style="list-style-type: none"> • End a call: 	<p>Press the "Volume (-)" button.</p>
<ul style="list-style-type: none"> • Refuse an incoming call: 	<p>Press the "Volume (-)" button.</p>
<ul style="list-style-type: none"> • Start the voice recognition feature: 	<p>Quickly press the "Volume (+)" button, then press the "Volume (-)" button.</p>
<ul style="list-style-type: none"> • Redial the last number: 	<p>Quickly press the "Volume (+)", followed by a long press of the "Volume (-)" until the number is dialed.</p>
<ul style="list-style-type: none"> • Discreet mode: 	<p>Quickly press the "Volume (+)" button.</p>
<ul style="list-style-type: none"> • Exit discreet mode: 	<p>During the call, quickly press the "Volume (+)" button followed by a press of the "Volume (-)" button</p>
<ul style="list-style-type: none"> • Increase the volume: 	<p>During the call, press the "Volume (+)" button and then on the "Volume (-)" button repeat this procedure until you reach the required volume.</p>
<ul style="list-style-type: none"> • Lower the volume: 	<p>During the call, press the "Volume (-)" button and then on the "Volume (+)" button repeat this procedure until you reach the required volume.</p>

The followings functions are only possible with Parrot CK3000 Evolution

<ul style="list-style-type: none"> • Enter the menu: 	<p>Press the following sequence twice: "SEEK up" button then the "SEEK down" button. These buttons are used to search for radio stations.</p>
<ul style="list-style-type: none"> • Go forward through the menu: 	<p>Press the "Volume (+)" button and then the "Volume (-)" button, leaving one second between each press.</p>
<ul style="list-style-type: none"> • Go backwards through the menu: 	<p>Press the "Volume (-)" button and then the "Volume (+)" button, leaving one second between each press.</p>
<ul style="list-style-type: none"> • Select a menu option: 	<p>Press the "Volume (+)" button.</p>
<ul style="list-style-type: none"> • Cancel a function: 	<p>Press the "Volume (-)" button.</p>
<ul style="list-style-type: none"> • Reset the hands-free kit: 	<p>Repeat the following sequence five times: press the "Volume (-)" button and then "Volume (+)" button.</p>

Mode 2: Using with a single phone button



•Answer an incoming call:	Press the "Phone" button.
•End a call:	Long press the "Phone" button.
•Refuse an incoming call:	Long press of the "Phone" button.
•Start the voice recognition feature:	Press of the "Phone" button.
•Redial the last number:	Long press of the "Phone" button.
•Discreet mode:	Press the "Phone" button.
•Exit discreet mode:	Press the "Phone" button.
•Increase the volume:	During the call, press the "Volume (+)" button; repeat this procedure until you reach the required volume.
•Lower the volume:	During the call, press the "Volume (-)" button; repeat this procedure until you reach the required volume.

The followings functions are only possible with Parrot CK3000 Evolution

•Enter the menu:	Press the following sequence twice: [SEEK up] button then the [SEEK down] button.
•Go forward through the menu:	Press the "Volume (+)" button.
•Go backwards through the menu:	Press the "Volume (-)" button.
•Select a menu option:	Press the "Phone" button.
•Cancel a function:	Long Press of the "Phone" button.
•Go forward through the menu:	Press the "Volume (+)" button and then the "Volume (-)" button, leaving one second between each press.
•Go backwards through the menu:	Press the "Volume (-)" button.
•Select a menu option:	Press the "Phone" button.
•Cancel a function:	Long press of the "Phone" button.
•Reset the hands-free kit:	Repeat the following sequence five times: press the "Volume (-)" button and then the "Volume (+)".

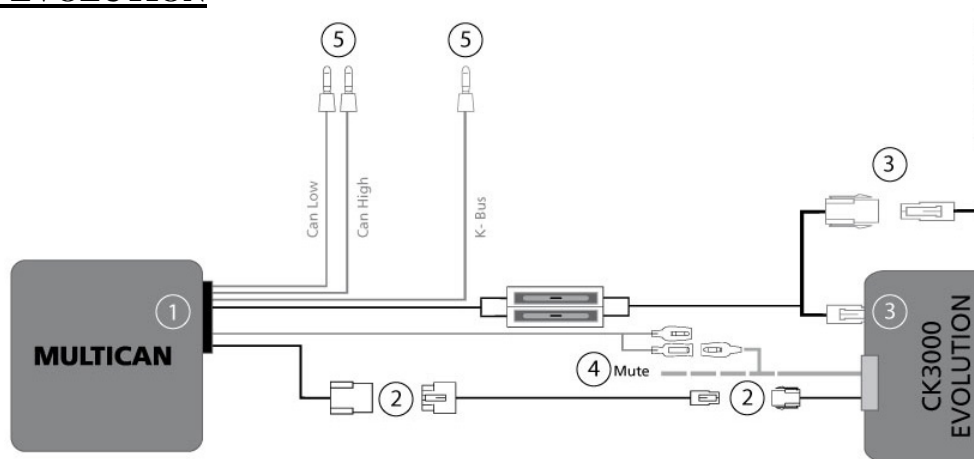
Wiring diagram for CK3000 EVOLUTION and CK3100 LCD

It is important to follow the wiring diagram for your vehicle. We would advise our customers to have the interface fitted by a professional.

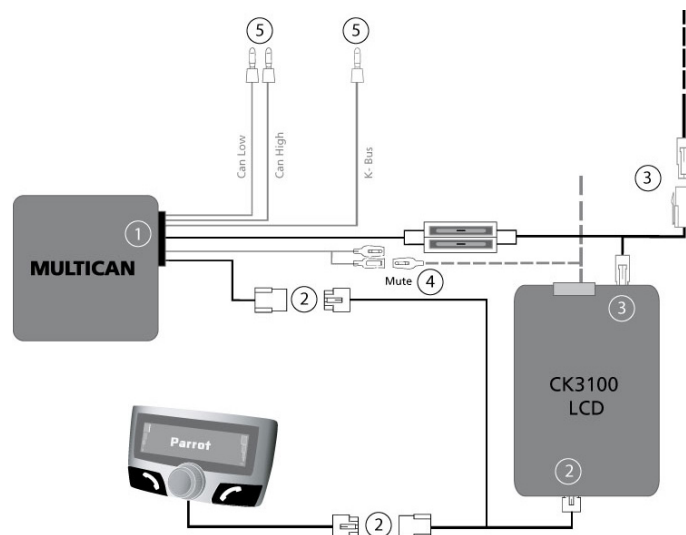
In this technical document, you will find all information for correctly install your MULTICAN interface.

Important: Usually the 12v ignition is supplied by MULTICAN unit.

CK3000 EVOLUTION



CK3100 LCD

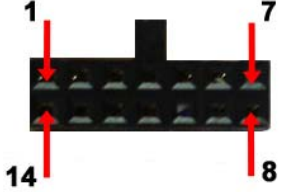


1

MULTICAN interface


Connect the power cable of the MULTICAN interface to the 14-way connector of the MULTICAN interface.

Pin Number	Colour	Description
1	Red	12v Permanent
2	Yellow	Mute input
3	Orange	12v Ignition
4	Green / Black	
5	Blue	
6	Green	Can High
7	Grey	
8	Yellow / Brown	
9	White	Can Low
10	Yellow / White	
11	Blue / Red	
12	Brown	
13	Purple	K-BUS
14	Black	Ground

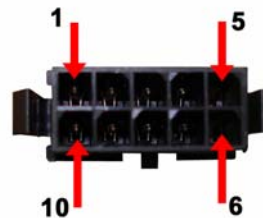


2

Keypad Adapter

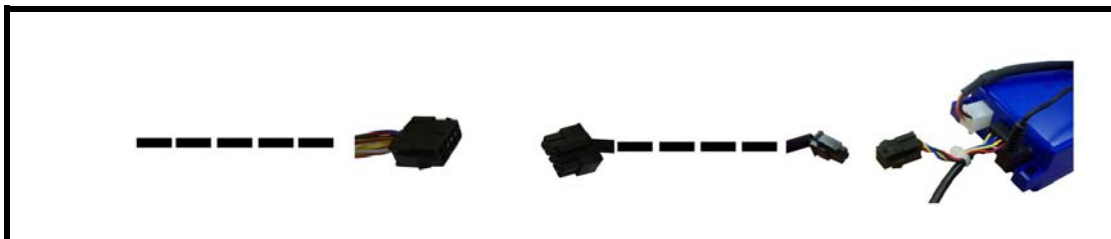
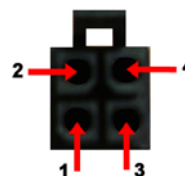
Join the connector of the kit's control keypad to the connector on the interface's power cable.

Pin Number		Colour
1	Yellow	Yellow / Brown
2	Grey	Grey
3	Yellow	Yellow / White
4	Yellow	
7	Brown	Brown
8	Blue	Blue / Red
9	Green	Green / Black
10	Blue	Blue



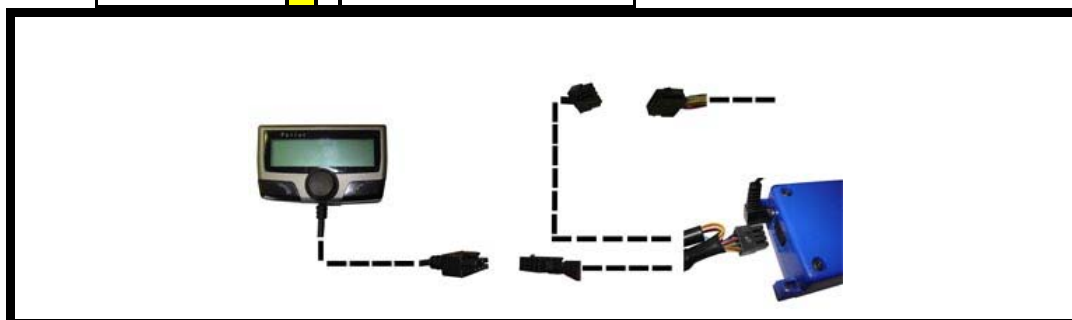
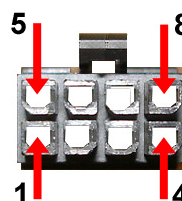
- CK3000 EVOLUTION**

Pin Number		Colour
2	Green	Green
3	Yellow	White / Yellow



- CK3100 LCD**

Pin Number		Colour
1	Black	Black
2	Red	Red / Blue
3	Green	Green / Black
4	Brown	Brown
5	Green	Green / Red
6	Grey	Grey / Black
7	Blue	Blue
8	Yellow	Yellow / Red



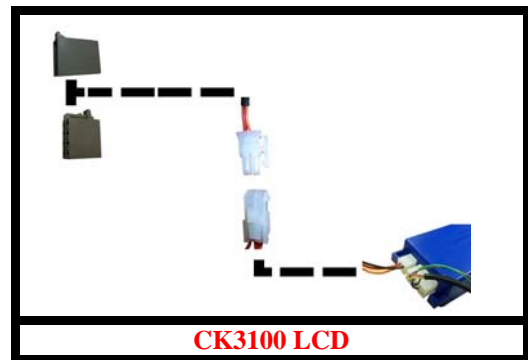
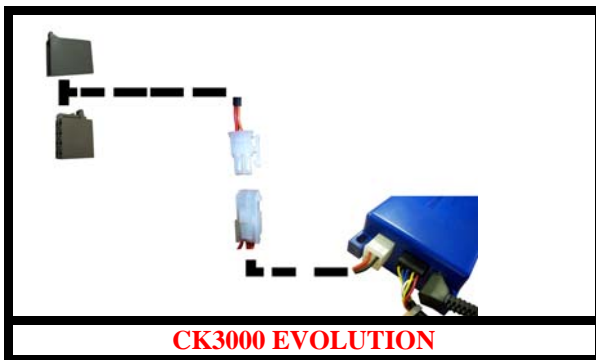
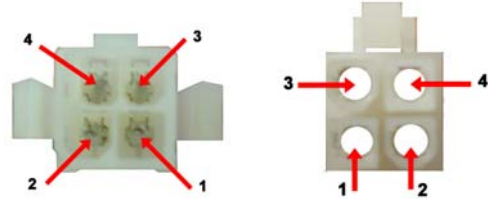
Connect the LCD harness to the adapter.

3

Supply connections

Important: Usually the 12v ignition is supplied by MULTICAN unit.

Pin Number	Colour	Description
1	Red	12v Permanent
2	Black	Ground
3	Orange	12v Ignition

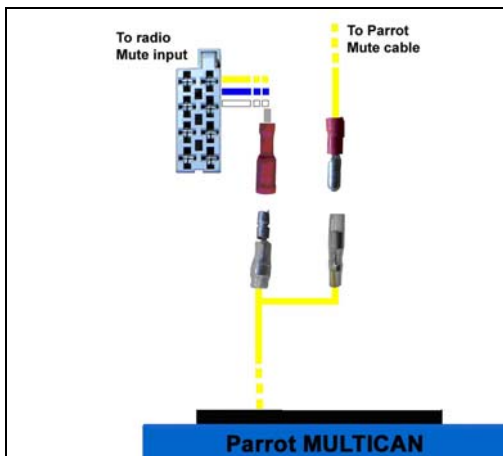


Connect the MULTICAN interface's power cable to the Parrot control unit and to the power cable of the hands-free kit.

4

Mute input

Colors	Cable	Description
Yellow	Mute cable	Mute Output
Yellow	MULTICAN cable	Interface Mute input
White	ISO Power cable	Mute input 1
Yellow	ISO Power cable	Mute input 2
Blue	ISO Power cable	Mute input 3



Connect the yellow mute wire of the [MULTICAN] interface :

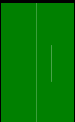


- To the Parrot yellow mute wire
- And to the car stereo's mute input if applicable

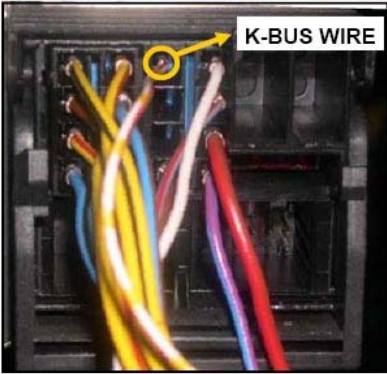
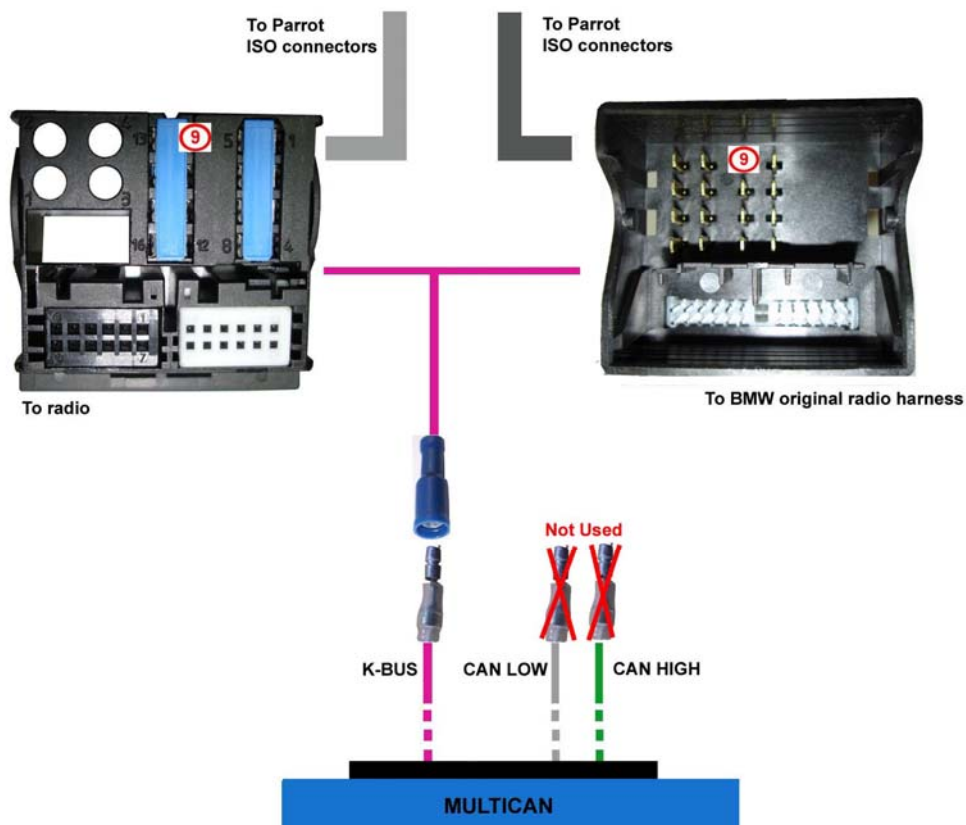
Notes:

If you don't know where your mute input is, see the usual guide of your radio or contact your BMW dealer for having the correct position of mute input.

5 CAN Configuration BMW

The wires corresponding to the CAN protocol must be connected correctly to your car stereo's CAN information. It is important to follow the wiring diagram for your vehicle. We would advise our customers to have the interface fitted by a professional.

N°		Color	Description
Not used		Green	CAN High
Not used		White	CAN Low
9		Violet	K-BUS

Connect the purple wire corresponding to K-Bus to pin 9.