



Steering Wheel Control Interface for select BMW vehicles



Left to Right:

- i. Vehicle Specific Connector (Quadlock)
- ii. Additional Wired Connections (including 12V flying wire)
- iii. SWC Interface
- iv. ISO Power/Speaker Connector
- v. Chime Retention Interface
- vi. Speaker Box

Designed and
Engineered
in the UK. 

APPLICATION

Note: Application data is subject to change at any time

BMW 1-Series (E81/82/87/88)	2004-13	BMW 3-Series (E90/91/92/93)	2005-12
BMW 5-Series (E60/61)	2004-10	BMW 6-Series (E63/64)	2003-10
BMW 7-Series (E65/66/67/68)	2001-08	BMW Mini (R55/56/57/58/59)	2006-13
BMW X1 (E84)	2009-15	BMW X6 (E71)	2008-14
BMW Z4 (E89)	2009-16		

for use with 'BMW Business Professional' head units.

FEATURES

- Retains factory steering wheel control functionality
- Retains factory phone button functionality
- Retains parking sensor audio & additional warning tones
- Provides outputs for Park Brake, Speed Pulse, Reverse Gear & Mute
- Provides separate feed for Permanent 12V
- **Software Updatable** (contact supplier for more information)

DISCLAIMER

The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.

PRODUCT INFORMATION

The CTSBM009.2 is a CAN-Bus steering wheel control interface for select BMW vehicles. This interface aids in the retention of crucial steering wheel controls as well as parking sensor audio - which include warning tones such as oil/washer fluid level, open door and seat belt.

Please note: for PDC tone activation, please follow the steps below.

WIRING KEY

IN ISO CONNECTOR

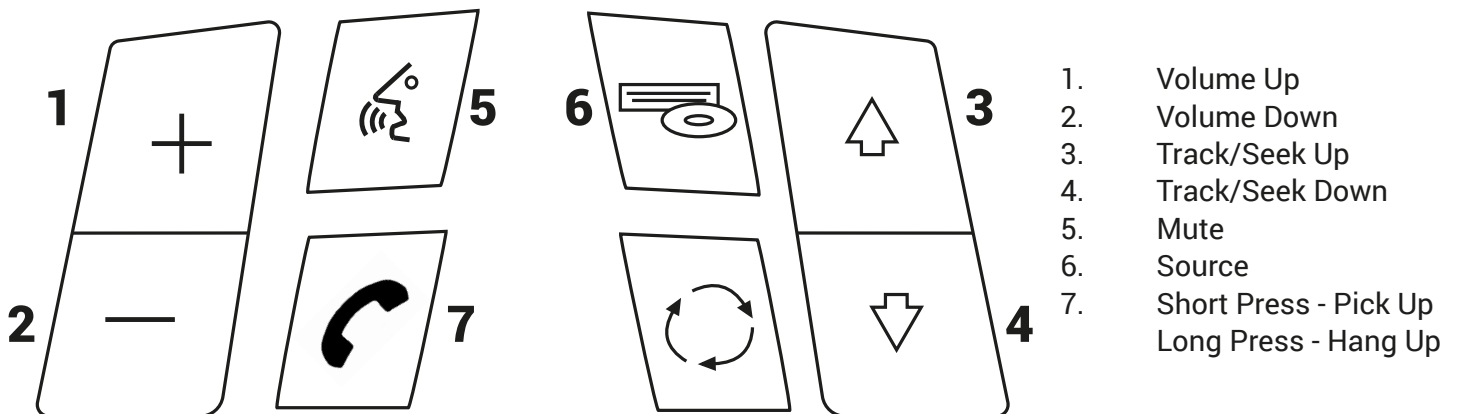
Purple	Right Rear Speaker +	Yellow	Permanent 12V
Purple/Black	Right Rear Speaker -	Black	Ground
Green	Left Rear Speaker +	Red	Ignition 12V
Green/Black	Left Rear Speaker -	Orange	Illumination
Grey	Right Front Speaker +		
Grey/Black	Right Front Speaker -		
White	Left Front Speaker +		
White/Black	Left Front Speaker -		

ADDITIONAL CONNECTIONS

Pink	Speed Pulse
Green	Park Brake
Purple/White	Reverse
Pink/Black	Telephone Mute

STEERING WHEEL CONTROL FUNCTIONALITY

The following diagram, though based on careful research, is an example only. Individual steering wheel control configurations may differ.



PARKING TONES ACTIVATION

Once the CTSBM009.2 has been installed, the retention of parking/warning tones should be ON as default. If not, you will need to activate the parking tones. With the ignition on and the vehicle stationary, proceed to do the following sequence:

Right Indicator ON > Left Indicator ON > Right Indicator ON > Left Indicator ON

Please note: this sequence must be done within 2.5 seconds.

When done successfully, a single 'beep' will be heard from the speaker box. Test the parking sensor functionality to see if successful. To de-activate the parking tones, repeat the process and another single 'beep' will signify tones are turned off.

PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are used during the installation to avoid damage to the vehicle or product.

Connects2 can not be held responsible for the installation of this product.

INSTALLATION GUIDE

See wiring diagram on Pg.4 for more information

Before installing the interface, the factory stereo must be removed and disconnected. To do this, please consult the vehicle owner's manual/handbook or contact a fitting professional.

A stereo connection (patch) lead is also required for the installation of this interface (supplied seperately). Please ensure that you have the correct lead before proceeding. For universal patch leads, prepare the wiring loops in accordance with the instruction manual supplied with the product before installation.

1. Connect the 12-pin connector from the stereo connection (patch) lead to the swc interface box
2. Connect the opposite end of the stereo connection (patch) lead to the steering wheel control input on the back of the aftermarket stereo

NOTE: This may be a 3.5mm jack connector or a wired input depending on the brand of aftermarket stereo being fitted. Please consult the aftermarket stereo installation manual for further information on where to make the connection

IMPORTANT: THIS STEP MUST BE COMPLETED BEFORE CONNECTING POWER TO THE INTERFACE. FAILURE TO DO SO MAY RESULT IN A LACK OF FUNCTIONALITY AND THE NEED TO REINSTALL THE PRODUCT.

3. Connect the 14-pin connector from the supplied wiring loom to the interface box
4. Connect the power/speaker ISO connector to the power/speaker ISO connector at the rear of the aftermarket stereo

NOTE: For aftermarket stereos which do not have an ISO connector, please see "Wiring Key" on Pg.2 for information on which wires to connect. Some interfaces may also have additional 'flying' wires which can be connected to the vehicle to support various features ie. parking brake trigger, reverse gear and speed pulse. Details of these can be found under 'Additional Connections'.

5. Connect the additional wiring connections to the aftermarket stereo's wiring harness where required. Also attach the yellow 'permanent 12V' flying wire to vehicles battery.
6. Connect the 12-pin connector with red label to the chime retention interface. On the opposite side of the box, connect the 2-pin connector to the right port (when interface is facing up).
7. Connect the vehicle specific power connector on the supplied harness to the OEM connector from the vehicle
8. Test stereo and steering wheel control functionality for correct operation before reassembling the vehicle dashboard. If steering wheel control functions are unresponsive, please uninstall the interface and wiring and reinstall carefully in accordance with the above steps

*For further help, please contact and fill out a support ticket with the full details of your issue at:
support.connects2.com/tickets/technical*

WIRING DIAGRAM

