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# CHBM11C

## BMW Steering Wheel Control Interface

### BMW Mini R53 with Harmon Kardon Amp Retention



plug & play | phone | USB Updateable | CAN-Bus | P | disc | lights | dial
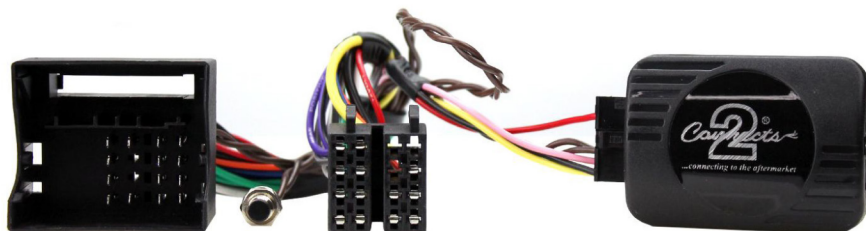
## Vehicle Application

**BMW Mini (R53) 2001 - 2006**
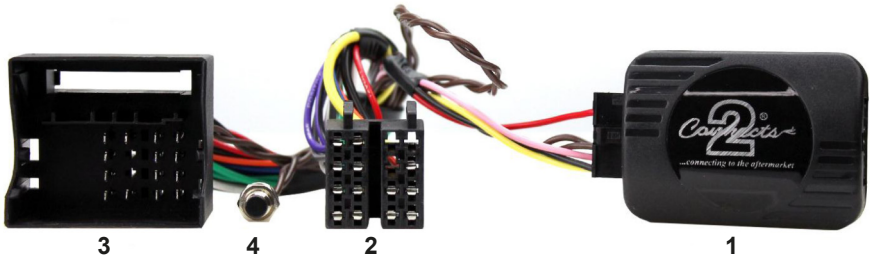
## Key Features

- Retains Steering Wheel Controls (if equipped)
- Retains OEM Phone Buttons (if equipped)
- Supports Harmon Kardon Amplifier
- Provides Amp Control Output

**Designed and Engineered in the UK.**

*The information provided in this document is subject to change without notice due to changes and/or improvements to the product/s.*

## CHBM11C

BMW steering wheel control interface for BMW Mini R53 with Harmon Kardon Amp.



1. Interface
2. Male Power/Speaker ISO connector
3. Vehicle Specific Connector
4. Amp Control Button

## Application

BMW Mini (R53)          2001 - 2006

## 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 you use the correct tools to avoid damage to the vehicle or product.

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

## Technical Support

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support Australia TEL: 03 – 8587 8898 FAX: 03 – 8587 8866 Mon-Fri 9am – 5pm AEST. If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the http://aerpro.com website.

1. Remove and disconnect the original head unit.

2. Connect the 12 way molex connector of the head unit patch lead (supplied separately) to the interface.
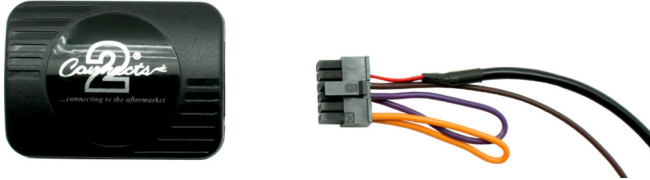


3. Connect the opposite end of head unit patch lead to the head unit steering wheel control input on the back of the aftermarket head unit. This may be a 3.5mm jack plug or a wire input depending upon the head unit brand being fitted. Please see the head unit installation manual for further information on where to connect.
**Important Note: This step must be completed before connecting power to the interface. Failure to so do may result in no steering wheel control function.**
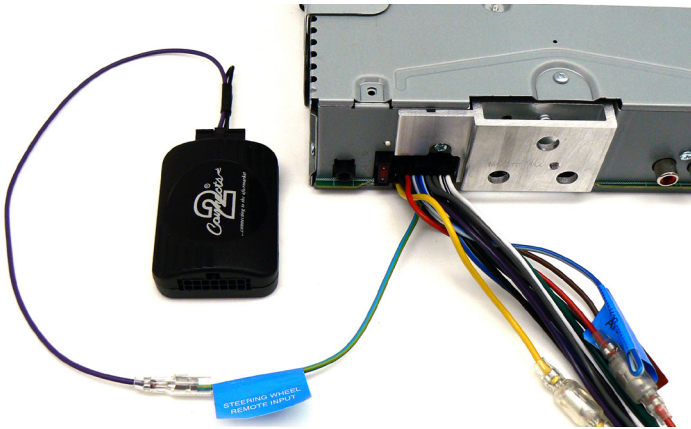


4. Connect the 14 way molex connector to the interface.

5. For vehicles without source button, install control button on dashboard.



6. Connect the male power/speaker harness to the female power/speaker harness from the aftermarket head unit. Test head unit for correct operation.

## FITTING GUIDE

For aftermarket head units which do not have an ISO connector the interface uses the following wiring colours:

| Wire Colour | Function |
|---|---|
| Yellow | Permanent 12V |
| Black | Ground |
| Red | 12V Ignition |
| Orange | Illumination |
| Blue | Antenna Remote |
| Pink | Speed Pulse |
| Green | Park Brake |
| Purple | Reverse |
| Pink/Black | Telephone Mute |

| Wire Colour | Function |
|---|---|
| Purple | Right Rear Speaker + |
| Purple/Black | Righ Rear Speaker - |
| Green | Left Rear Speaker + |
| Green/Black | Left Rear Speaker - |
| Grey | Right Front Speaker + |
| Grey/Black | Right Front Speaker - |
| White | Left Front Speaker + |
| White/Black | Left Front Speaker - |

## STEERING WHEEL CONTROL FUNCTIONS

Steering Wheel Control Functions



Volume +

Track -

Track +

Volume -
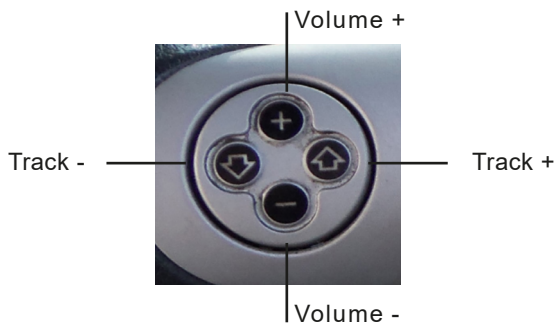
**Operation for vehicles with steering wheel controls (vehicle must have Source button)**

To enter amplifier adjustment mode press and hold Source button for more than 3 seconds. When In amplifier adjustment mode the steering wheel controls no longer control the head unit.

**Front/Rear Balance Adjustment**

Press & hold Vol + button to cycle from front to rear and back to front again. Release button when the desired setting is achieved.

**Driver Mode**

To enable/disable Driver mode press Track +

**Preset EQ**

Press Track – to cycle through Normal, Spacial, Electronic, Instrumental & Festival EQ settings.

To return the steering wheel controls to normal operation press Vol –

**Operation for vehicles without steering wheel controls**

**Front/Rear Balance Adjustment**

Press & hold control button for more than 3 seconds to cycle from front to rear and back to front again. Release button when the desired setting is achieved.

**Driver Mode**

Press and hold control button for more than 1 second (but no longer that 3 seconds to avoid changing F/R Balance) to toggle Driver mode off/on

**Preset EQ**

A short press of the control button will change the various Preset EQ settings from Normal, Spacial, Electronic, Instrumental & Festival

**Save settings**

The interface will save all changes to its internal memory when the ignition is switched off. The settings will not be lost if power is disconnected.