

**CONNECTS2 CTKBM08 Vehicle Integration Kit**



# CONNECTS2 CTKBM08 Vehicle Integration Kit Instruction Manual

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**CONNECTS2 CTKBM08 Vehicle Integration Kit**



## Specifications

- **Product Name:** The Complete Installation Kit BMW CTKBMOB
- **Contents:** Black Double DIN Fascia Panel, CAN-Bus Steering Wheel Control Interface, Fakra Antenna Adapter, Extension Harness, Universal Patch Lead
- **Compatibility:** BMW 1 Series (E81/E82/E87/E88) 2007 – 2013
- **Features:** Retains antenna connection, steering wheel control functions, factory phone buttons, OEM parking sensor audio and warning tones

## FAQ

- **Q:** What tools are required for installation?
  - **A:** Tools needed include a Panel Removal Tool, screwdriver, and potentially cutting tools for dashboard modifications.
- **Q:** Can this kit be used in BMW models other than the specified 1 Series?
  - **A:** This kit is specifically designed for BMW 1 Series (E81/E82/E87/E88) 2007 – 2013 and may not be compatible with other models without modifications.

## This Kit Contains



- Black Double DIN Fascia Panel
- CAN-Bus Steering Wheel Control Interface
- Fakra Antenna Adapter
- Extension Harness
- Universal Patch Lead

The CTKBM08 Complete Installation Kit from Connects2 allows for the installation of a double DIN aftermarket stereo whilst retaining the vehicle's antenna connection, steering wheel control functions, factory phone buttons for call pick-up and hang-up, OEM parking sensor audio and warning tones (eg. oil/washer fluid level, door open, seat belt etc)

## **APPLICATION AND PRIOR TO INSTALLATION**

### **APPLICATION**

- BMW
  - 1 Series (E81/E82/E87/E88) / 2007 – 2013

(For non-amplified vehicles with automatic A/C and Quadlock connector, without Navigation/iDrive)

### **PRIOR TO INSTALLATION**

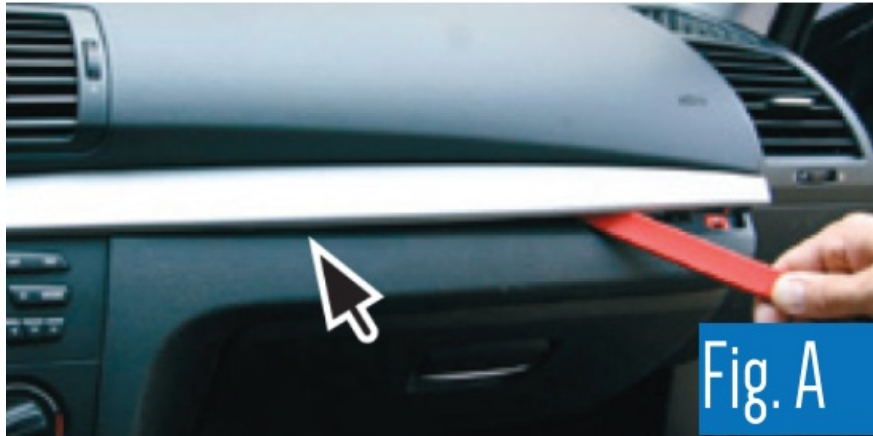
Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are using during the installation to avoid damage to the vehicle or product. Connects2 can not be held responsible for the installation of

this product. Please be aware that some cutting of the plastic parts behind the dashboard will be required in order to install this kit.

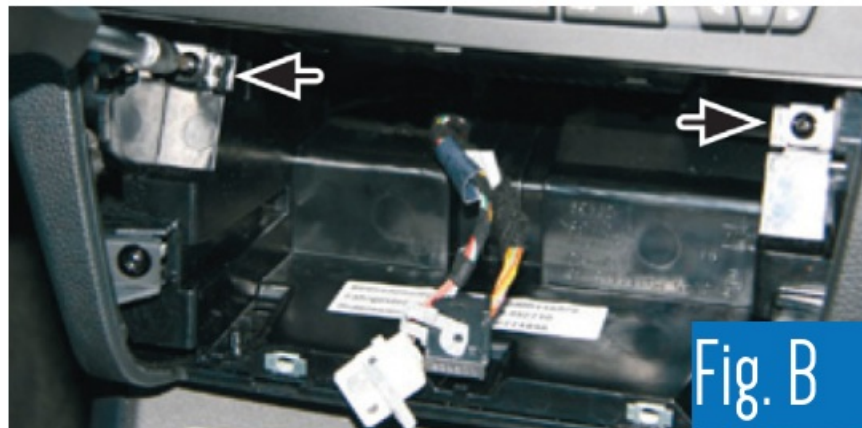
### Need help?

If when you read these instructions or at any point during installation you need help, Halfords 'weFit' service is here for you. Please contact your local store for details

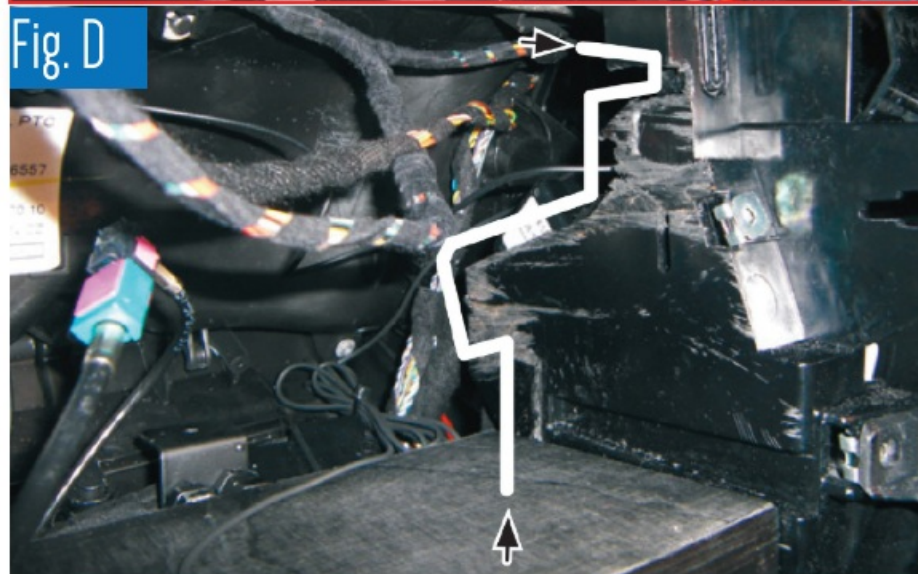
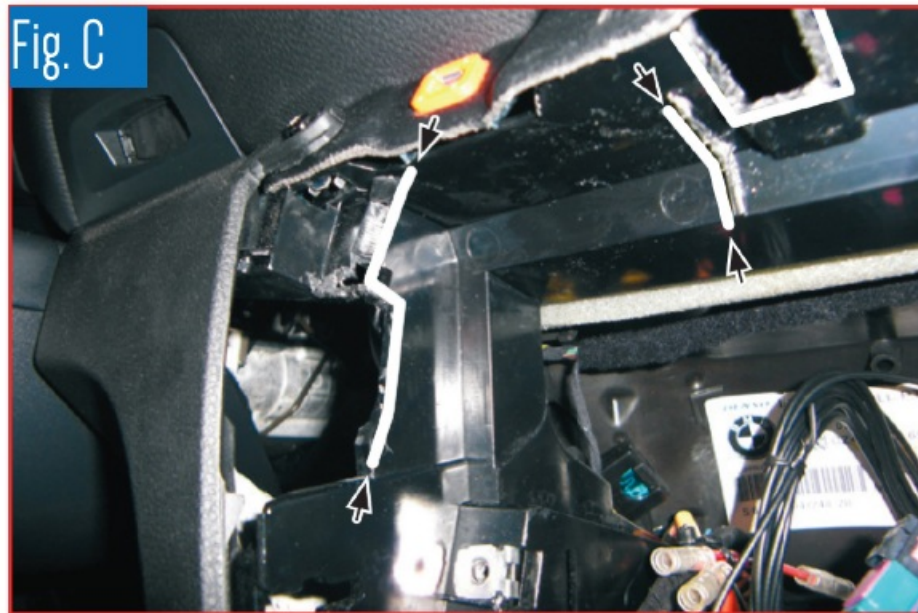
## PREPARATION



1. Firstly use a Panel Removal Tool to unclip and remove the middle trim piece from the dashboard (Fig. A).



2. Then pull out the air conditioning control unit and disconnect the ribbon cable. Remove the screws below the factory stereo and remove the stereo (Fig. B).
- **NB:** Keep any clips, screws and parts from the disassembly process for potential reuse when fitting.



3. To make space for the Double DIN aftermarket stereo, an area needs to be cut away from the interior of the dashboard as shown below. See Fig C, D for an illustration of the areas removed after the cutting has been completed. We recommend contacting your local Halfords dealership if you require help or additional information.

#### **KIT ASSEMBLY – PRELIMINARY**





1. For vehicles with a switch panel located below the factory climate control unit (Fig. E), unclip and remove the switch panel from the unit and attach it to the new fascia panel. For vehicles without the switch panel, insert the included blanking panel into the fascia panel instead.
2. Remove the air conditioning unit from its casing using a screwdriver to push down the clips (Fig. F). Insert the unit into the Double DIN fascia panel.



3. Feed the included ribbon connector up and re-establish the connection between the air conditioning control unit situated in the top opening of the fascia panel, and the switch bar, situated in the bottom opening of the fascia panel (Fig. G). This step can be ignored if the vehicle does not have a factory switch panel.
4. Screw the included brackets onto the right and left hand sides of the Double DIN stereo with the six (6) screws included in the kit (Fig. H). The stereo is now ready to be installed into the dashboard.

Progress to “Preparing the Patch Lead”










## PREPARING THE PATCH LEAD

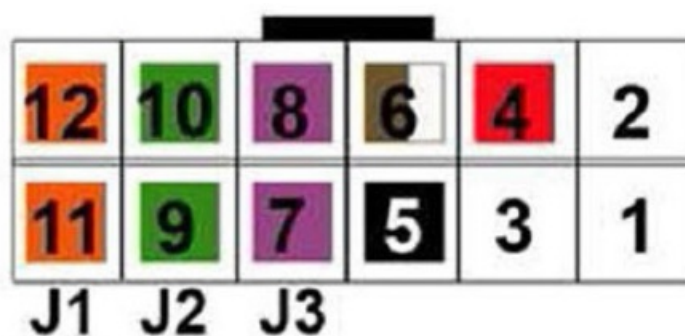
To correctly configure the interface for installation, the included patch lead (CTMULTILEAD.2) must be set according to the below information, in relation to the type of aftermarket stereo being installed in the vehicle. See the diagram below for examples of which loops to cut and which connector type to use for all main brands of aftermarket stereo

**Configuration Assignments (1=Link made, 0=No Link)**

J1	J2	J3	Systems	Connector
1	0	0	JVC	Jack/Key1
0	1	0	BEAT/Philips/Nakamichi	Key1
1	1	0	Clarion	Jack
0	0	1	Kenwood	Key1
1	0	1	Alpine	Jack
0	1	1	Panasonic	Key1
1	1	1	Sony/LG/Pioneer	Jack
1 (Pin12)	1 (Pin10)	0	Zenec	Key1
1	1	1	Chinese Learning Brands	Key1, Key2, GND

### Pin Configuration

Pin 1	Description
1	Reserved
2	Reserved
3	Reserved
4	Analog 2 Swc 
5	GND Swc 
6	Analog 1 Swc 
7	Link J3 
8	Link J3 
9	Link J2 
10	Link J2 
11	Link J1 
12	Link J1 



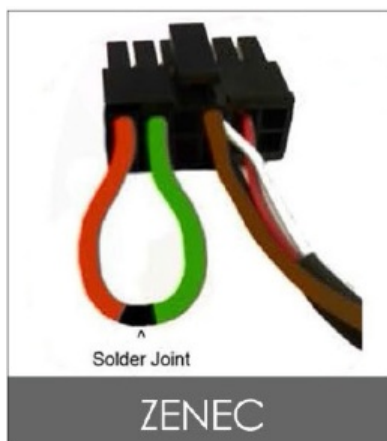
*Here are some Examples of how to make various patch Leads:*



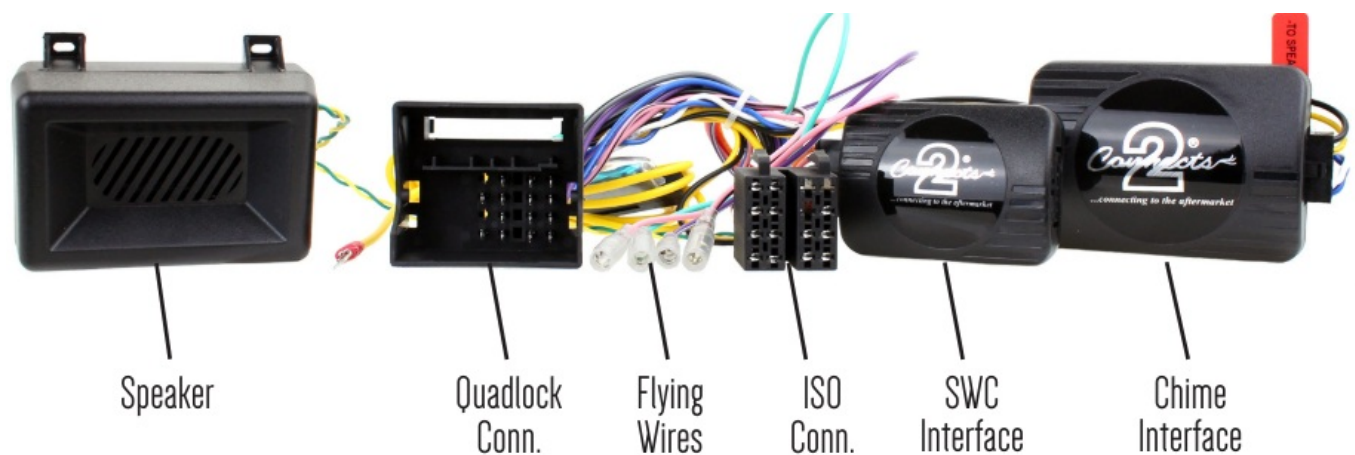


- **Example 1:** Alpine – Remove Link J2 then use the Jack connector into radio.
- **Example 2:** Kenwood – Remove Link J1 and J2, use the wire connector to Radio.
- **Example 3:** Zenec – Remove Link J3, Cut Orange and Green then solder top row (Pin 12 & 10) together and insulate. Use the Wire connector to Radio.

**NB:** When cutting loops on the CTMULTILEAD.2, please ensure that the bare wire ends are insulated



## INSTALLING THE STEERING WHEEL CONTROL INTERFACE



The steering wheel control functions of the original vehicle – which are lost during removal of the factory system – can be retained through the correct installation of the interface included in this kit. Please read these instructions carefully to ensure that your system will work well following the installation.



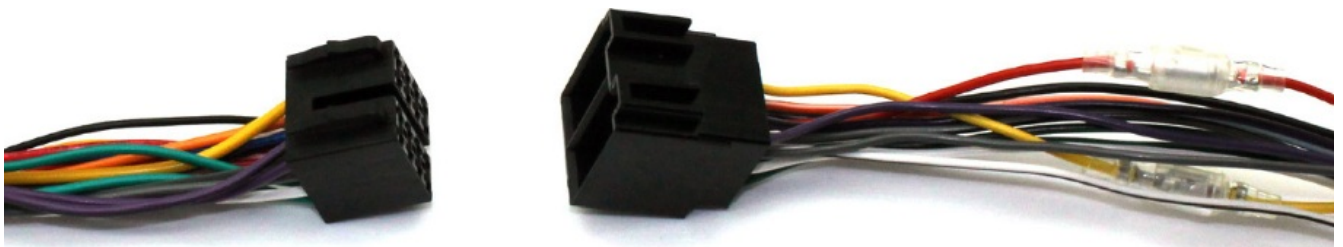
1. Connect the 12 Pin black connector of the stereo patch lead to the interface.



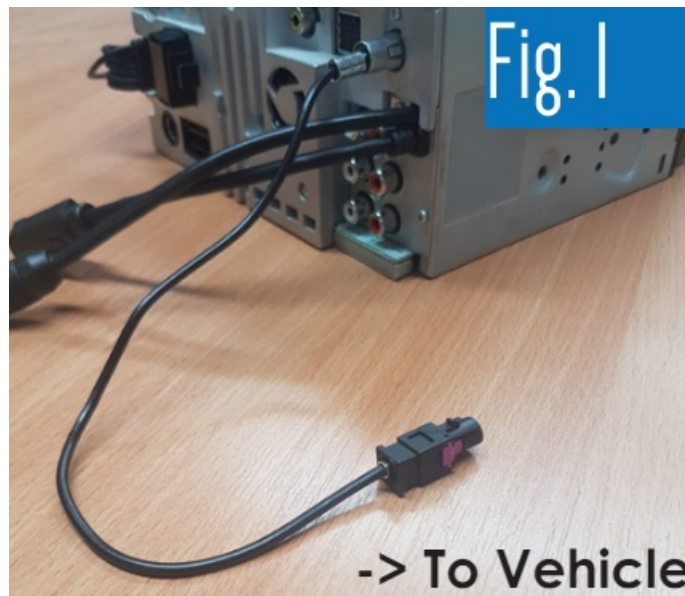
2. Connect the opposite end of the stereo patch lead to the stereo steering wheel control input on the back of the new stereo
  - **NB:** This may be a 3.5mm jack plug or a wire input depending upon the stereo brand being fitted. Please see the stereo installation manual for further information on where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



3. Connect the 14 Pin black connector of the main wiring loom to the interface



4. Connect the male power/speaker ISO harness to the female power/speaker ISO harness from the aftermarket stereo. For aftermarket stereos without an ISO connector and for connecting optional inputs, please refer to "Wiring Colour Codes" below.
5. Make the relevant connections to the Chime Interface and Speaker to retain factory vehicle warning chimes,



6. Connect the included Antenna Adapter to the vehicle and the aftermarket stereo (Fig. I).

## WIRING COLOUR CODES

- **PURPLE** RIGHT REAR SPEAKER +
- **PURPLE/BLACK** RIGHT 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 –
- **YELLOW** 12V PERMANENT
- **BLACK** GROUND
- **RED** 12V IGNITION
- **PINK** SPEED PULSE
- **GREEN** PARK BRAKE
- **PURPLE/WHITE** REVERSE GEAR

## SWC CONFIGURATION

### *ORIGINAL BUTTON / FUNCTION*

- **PLUS** ICON VOLUME +
- **MINUS** ICON VOLUME –
- **SPEECH** MUTE
- **PHONE** PICK UP (SHORT PRESS) / HANG UP (LONG PRESS)
- **DISC** ICON SOURCE
- **UP ARROW** TRACK +
- **DOWN ARROW** TRACK –

Progress to “Kit Assembly – Final Installation”

## KIT ASSEMBLY – INSTALLATION

**NB:** Temporarily rest the stereo inside the dashboard and test functions (eg. radio reception etc) before pushing the stereo into place to complete fitting




1. Place the new stereo and bracket assembly into the dashboard, and screw it in place using the screws removed during disassembly
2. Place the new Double DIN fascia panel around the new stereo until it sits flush in the dashboard (Fig. J).
3. Reassemble all dashboard components in the reverse order of disassembly to complete your installation of this kit

**PLEASE NOTE:** SOME TRIMMING IS NEEDED TO HIDDEN AREAS BEHIND THE DASH TO FIT YOUR NEW STEREO USING THIS KIT.

[support.connects2.com](http://support.connects2.com)

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## Documents / Resources

	<p><a href="#">CONNECTS2 CTKBM08 Vehicle Integration Kit</a> [pdf] Instruction Manual CTKBM08, CTKBMOB, CTKBM08 Vehicle Integration Kit, Vehicle Integration Kit, Integration Kit, Kit</p>
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## References

-  [Connects2](http://Connects2)

- [User Manual](#)

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