

LOCATION & REMOVAL

Important note:

Switch off car and remove key, wait 10 minutes before removing any factory connectors.

Installation is made at the front monitor on all models, you will need to remove the monitor by removing the two screws shown below.



Next unplug the silver 10 way plug and black 12 way plug from the monitor and remove from the car.

You may choose to mount the interface behind the glove box area, which is easily removed with screws at the front and underside of the glove box itself.



INSTALLATION

Power and CAN connections

Power and CAN connections are made at the 12 way BLACK plug from the screen unit.



You will need to connect the supplied 10 way WHITE plug loom on to;

CAR connect to NAV-INBMW3

PIN 5 (BLACK) to PIN 5 (BLACK)

PIN 5 (ORANGE/GREEN) (X5) to PIN 5 (BLACK)

PIN 6 (YELLOW) to PIN 10 (YELLOW)

PIN 6 (GREEN) (X5) to PIN 10 (YELLOW)

PIN 1 (RED 12v+ perm) to PIN 1 (RED)

PIN 3 (BROWN 12v- GROUND) to PIN 2 (BROWN)

See "Operating Instructions" for; PIN 3 12v- out (WHITE)



Plug the WHITE plug in to the socket in the interface marked SUPPLY, **FINALLY AFTER ALL OTHER CONNECTIONS. AND REMOVE POWER FIRST BEFORE REMOVING ANY OTHER CONNECTIONS. FAILURE CAN CAUSE FAULTS**

Video connections

Connect the shorter of the supplied GREY cables to the silver male 10 way plug of the car harness (removed from the screen)



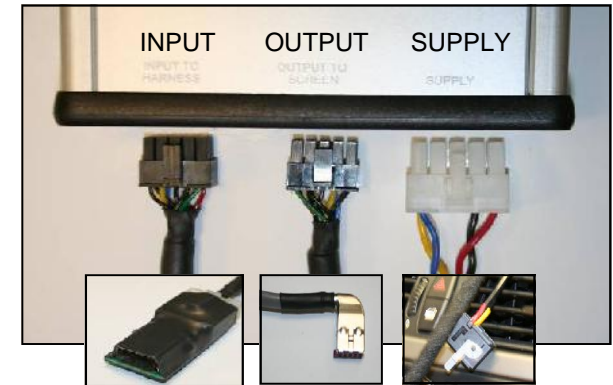
INSTALLATION

Next connect the shorter of the supplied grey cables to the black socket marked INPUT TO HARNESS on the interface (see below)

Next plug in the longer of the supplied grey cables to the metal screen socket,



and to the black socket marked OUTPUT TO SCREEN on the interface (see below)



Connect your added video sources / camera to the composite or RGB inputs shown below



OPERATING INSTRUCTIONS

The interface allows both composite video signals and RGB signals to be displayed onto the existing OEM factory screen.

Installation Profiles

Before installation the following points must be considered:

Screen size?

BMW Large screen 07> switch	1 ON	2 OFF
BMW Large screen >06 switch	1 OFF	2 OFF
BMW Small screen switch	1 OFF	2 ON
NEW MINI 07> switch	1 ON	2 ON

BMW SMALL SCREEN SHOWN IN LOCATION & REMOVAL

How many inputs will be utilised (Aux 1 / 2 / reverse or RGB)?

If only **one** input will be used then **switches 7 & 8** should be in the up (**OFF**) position.

Will there be a reverse camera?

If there is, switch 3 will need to be down (**ON**) enabling Reverse control via CAN detection, also switch (should be down (**ON**) to enable optional full screen camera picture by pressing the MENU button.

The source signals (composite video 1/2/reverse and RGB) are multi format supported; currently PAL and NTSC.

Interface Features

The interface has various features which can be selected/customised (via DIP switches) to suit the installers/end users requirements.

The available features are as follows:

CAN input (option to control inputs via iDrive or auto)

Reverse Input (option to have reverse camera input and switched via CAN)

12V- Output (option to have 12v- output to follow picture Overlay or ACC)

Auxiliary 1 / 2 (option to control inputs via iDrive or wired)

RGB control (option to control inputs via iDrive or wired)

Super wide/Wide (option to see the selected input on the full screen)

Auto Video Sense / Manual video select with iDrive controller

OPERATING INSTRUCTIONS

DIP Switch control options

Switch down is ON

Switch UP is off

- 1 - Vehicle option 1
- 2 - Vehicle option 2
- 3 - Reverse camera input
- 4 - OFF Auto video sense / ON Manual video select
- 5 - OFF
- 6 - OFF 12v- OUT follows picture overlay / ON 12v- OUT ACC
- 7 - Enable Aux 2
- 8 - Enable RGB
- 9 - Super wide enable (*only available on BMW professional system*)
- 10 - OFF

To switch to aux inputs and also to switch back to BMW factory system press and hold the iDrive controller for 3 seconds.

To toggle through the aux inputs (if aux 2, RGB or Reverse camera is active) press down the iDrive controller.

To stretch picture to full screen on any aux in press MENU

It is not possible to switch back to factory from RGB/NAV



NAV-INBMW3

VIDEO INPUT

BMW iDrive 1 / 3 / 5 / 6 / X5 / X6

& New MINI

With / Without TV Tuner