











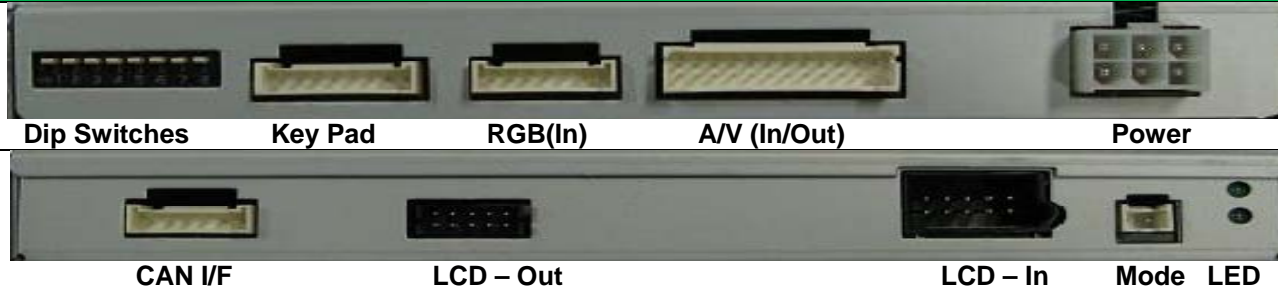
BMW56

Video integration and Source switching for all iDrive equipped BMW 3, 5 and 6 series vehicles.

What's in the box	Package Contents	
<ol style="list-style-type: none"> 1. BMW56 Interface module 2. Power harness 3. LCD harness 4. OSD keyboard 5. OSD keyboard harness 6. NAVI harness 7. Toggle switch and harness (optional for alternate Source select). 8. A/V harness 	 <p>1. BMW56 Interface Module</p>  <p>3. LCD Harness</p>  <p>5. OSD Keyboard Harness</p>  <p>7. Toggle Switch and Harness</p>	 <p>2. Power Harness</p>  <p>4. OSD Keyboard</p>  <p>6. NAVI Harness</p>  <p>8. A/V Harness</p>

Screen Removal	Display Screen
<ol style="list-style-type: none"> 1. Remove 2 Torx T10 screw at the top of the screen unit as shown circled in the accompanying photo. 2. Once the screws are removed, there will be a gap between the top of the screen unit and the dashboard. Push a small screwdriver gently into this gap and the screen should come out of its mounting with virtually no force. 3. Place a soft covering over the face of the screen and turn it over. 4. Remove the 2 harnesses from the back of the screen as shown circled in the accompanying photo. The harness with the plastic connector is the Power and CAN harness and the one with the metal connector is the LVDS (video) harness. 	 

BMW56 Interface Connectors



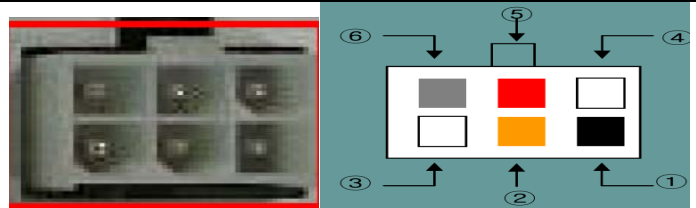
Installation

1. Plug in the LVDS vehicle connector into the LCD-In port on the BMW56 interface.
2. Connect the F-Type connector supplied with the BMW56 into the LCD-Out port on the BMW56. Connect the other end of the F-Type plug into the port on the navigation screen where you removed the factory plug.
3. Connect both black wires leading off the main power harness to the BMW56 to chassis ground
4. Connect the red wire labeled "ACC Wire" to +12v accessory power source.
5. Connect the CAN harness wires to the CAN wires on the Display Power and CAN harness. The CAN wires are Yellow/CAN Low, Black/ CAN Hi in the second harness with the black plug/gray lock behind the screen. **NOTE: strip back the 2 CAN wires and wrap and solder the 2 CAN wires from the BMW56 CAN harness to the vehicle CAN wires. DO NOT CUT THE VEHICLE CAN WIRES- THIS MAY CAUSE CAN FAILURE IN VEHICLE.**

Dip Switch settings

Type of monitor	#PIN	5	6
E60 8.8"		OFF	OFF
E60 Alpine 6.5"		ON	OFF
E60 Siemens 6.5"		ON	ON
E65 Armrest 6.5"		OFF	ON

Power connector pinout



Disconnect BMW56 Power plug before making any DIP switch changes.

- Switch 1 – This is for the unused "NAVI" plug and can be flipped into down position to turn it off.
- Switch 2 – AV 1
- Switch 3 – AV 2
- Switch 4 – Leave in the Down position.
- Switch 5 – Screen size select: Up for 6.5 inch screen, and Down for 8.8 inch screen.
- Switch 6 – LCD type (fuse along with switch 5)
- Switch 7 – Up – OEM rear camera. Down - external rear camera
- Switch 8 – Not used (leave in the up position)

- Pin 1 – Ground (Black)
- Pin 2 – i-Drive (Orange)
- Pin 3 – FMTX antenna (Blue)
- Pin 4 – N.C.
- Pin 5 – ACC (Red) +12v accessory power.
- Pin 6 – Rear (Gray) Connect to reverse lights for +12v trigger for back-up camera

Source Select

To switch sources use menu button on console. (You must hold menu button for 3 seconds to change source).

OSD Keyboard functions

- Menu – OSD Menu, Going back to last step of setting after mode setting.
- SEL – Select, Mode change.
- UP – Move to Left, Up.
- Down – Move to Right, Down.
- *Factory Mode – Operated with UP=>DOWN=>UP=>Menu keys of the keypad in sequence.

OSD Keyboard



Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.