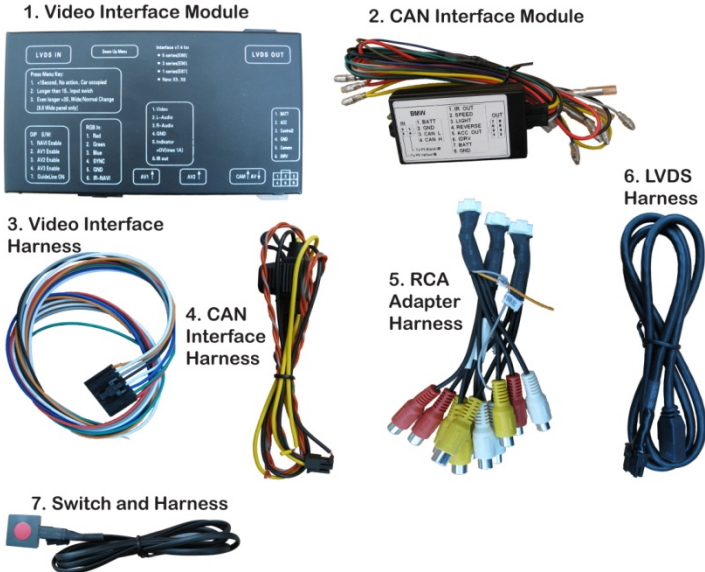



## BMW56-CAN

Adds Backup Camera and Video integration and AV Source switching for all iDrive equipped BMW 3 and 5 series and new X5, X6, and X1(new) vehicles.

What's in the box	Package Contents
<ol style="list-style-type: none"> <li>1. Video Interface Module</li> <li>2. CAN Interface Module</li> <li>3. Video Interface Harness</li> <li>4. CAN Interface Harness</li> <li>5. RCA Adapter Harness</li> <li>6. LVDS Harness</li> <li>7. Switch and Harness</li> </ol>	

Radio Removal	Radio Dash Images
<ol style="list-style-type: none"> <li>1. Remove (2) Torx T10 screws at the top of the screen unit as shown circled in the accompanying photo.</li> <li>2. Once the screws are removed, there will be a gap between the top of the screen unit and the dashboard. Push a small plastic pry tool or a small screwdriver gently into this gap and the fascia should come out of its mounting with virtually no force.</li> <li>3. Place a soft covering over the face of the screen and turn it over.</li> <li>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.</li> </ol>	

Video Interface Module wiring	CAN Interface Module wiring
<p><b>6 Pin Power Connector:</b>  Pin (1) Constant +12volt (Yellow wire) prewired  Pin (2) Accessory +12volt (Red wire) prewired  Pin (3) Control2 (Gray wire) prewired  Pin (4) Ground (Black wire) prewired  Pin (5) Camera (Green wire) prewired  Pin (6) iDrive (White wire) prewired  <b>Note:</b> 6 Pin Power Connector plugs into output harness from CAN interface module.  <b>Note:</b> When connecting the Molex power harness to the video interface module, make sure that the locking tab on the Molex connector is towards the top of the video interface module.</p> <p><b>6 Pin Connector – RGB In:</b>  Pin (1) Red (Red wire)  Pin (2) Green (Green wire)  Pin (3) Blue (Blue wire)  Pin (4) Sync (White wire)  Pin (5) Ground (Black wire)  Pin (6) IR-NAVI (Orange wire)  <b>Note:</b> For connecting an external RGB Based Navigation system to vehicle.</p>	<p><b>4 Pin Connector:</b>  Pin (1) Constant +12volt in(Yellow wire)  Pin (2) Ground in(Black wire)  Pin (3) CAN Low (Orange/Gray wire), To Pin (6) factory screen harness (yellow wire)  Pin (4) CAN High (Orange/Green wire), To Pin (5) factory screen harness (black wire)</p> <p><b>8 Pin Connector:</b>  Pin (1) IR <b>Out</b> (White wire) positive output  Pin (2) Speed <b>out</b> (Dark Blue wire) positive output  Pin (3) Light <b>out</b> (Brown wire) positive output  Pin (4) Reverse <b>out</b> (Green wire) positive output (Backup camera power)  Pin (5) Accessory +12volt <b>out</b> (Red wire) also accessory power for the video interface module  Pin (6) iDrive <b>out</b> (Gray wire) positive output  Pin (7) Constant +12volt <b>out</b> (Yellow wire) also primary power for the video interface module  Pin (8) Ground <b>out</b> (Black wire) also primary ground for the video interface module  <b>Note:</b> The 8 Pin connector outputs are for powering and activating accessories. Also has the 6 Pin Molex connector that connects to the video interface module power connection.</p>

**Note: Solder all connections.** Do not use any crimp type connectors or terminals. CAN Bus signal degradation will cause vehicle system problems if crimp type connectors or terminals are used.

DIP Switch Settings	Menu Switch
<ol style="list-style-type: none"> <li>1. NAVI Enable</li> <li>2. AV1 Enable</li> <li>3. AV2 Enable</li> <li>4. Not used</li> <li>5. Camera Enable</li> <li>6. Not used</li> <li>7. CH - - LPM (If On interface will restart in last mode playing when vehicle was shut off).</li> <li>8. 8.8/6.5 Screen selection (Off - 6.5, On – 8.8)</li> </ol> <p><b>Note:</b> Dip switches in the down position are <b>On</b>.</p>	<p><b>Press Menu Key:</b></p> <ol style="list-style-type: none"> <li>1. Less than 1 Second, No action.</li> <li>2. Longer than 1 Second, Input switch</li> <li>3. Longer than 3 Seconds, Wide/Normal change (8.8 wide panel only)</li> </ol> <p><b>Note:</b> For manual switching if desired</p>

AV1 / AV2 Input Pinouts	Connections
Pin (1) Video Pin (2) Left Audio Pin (3) Right Audio Pin (4) Ground Pin (5) Not Used (orange wire) Pin (6) IR out (gray wire)	<p>Connect the factory LVDS harness into the LVDS IN on the video interface module, and then plug in the LVDS harness into the LVDS OUT and into the factory LVDS connector on the display.</p> <p>The power connector on the video interface module plugs into the output harness from the CAN interface module.</p> <p>To power for the modules is supplied from the main power harness to the CAN interface module.</p>

**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.