

**Be Sure To Ask Your Autosound Specialist About These Other Exciting SoundGate Products...**

Simple-fi.™

- Competition-Grade Interfaces for adding amplifiers
- Remote audio control interfaces that let you control aftermarket receivers and CD players from your factory rear seat, or steering-wheel-mounted audio controls.
- And many others!

**Why SoundGate Dealers have the edge...**

The technologies used in today's vehicles are as sophisticated as any laptop computer. At SoundGate we believe these new technologies are full of opportunities for mobile electronic dealers across the nation. We make it a high priority to not only research these new systems, but to understand them and their impact on the aftermarket car audio industry. Armed with this knowledge, we are well equipped to help you integrate new components into these systems with our innovative, high-performance interfaces and unparalleled technical support.

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Strictly adhere to all car manufacturer warnings that pertain to the disassembly, maintenance, or servicing of the vehicle and any of its associated parts or systems.

SoundGate cannot be held responsible for discrepancies, or inconsistencies that may occur due to vehicle manufacturing changes.

If you feel that you cannot agree with the above limitations, please return this product to the dealer you purchased it from, or call SoundGate Customer service at 800-256-0808 for a Return Authorization number, and return the product to SoundGate for a credit or refund.

**VIDBMW1V4**



**Purpose...**

The VIDBMW1V4 allows you to add up to 2 video signals (DVD, VCR, rear-view

camera, game console, etc.) to the factory navigation systems on the BMW vehicles listed below.

**Note:** The VIDBMW1V4 provides video input only. To input audio signals, you will need an additional interface (sold separately - see below).

**Features...**

The VIDBMW1V4 utilizes microprocessor control, ultra-reliable surface-mount construction, and advanced firmware design, to flawlessly match the video signal from the new sources to the factory system.

The VIDBMW1V4 is also equipped with brightness, color and contrast adjustments to allow you to get the best quality picture possible.

**The SoundGate VIDBMW1V4 works in the following BMW vehicles when the vehicle is equipped with the factory Navigation system:**

1996 - 2005	3-Series including M & Z
1997 - 2003	5-Series
9/98 - 2001	7-Series (please see VIDUNIV for 7-series with "I-Drive")
2004 - 2006	X3
2000 - 2005	X5
2003 - 2006	Z4
2001 - 2003	Z8

**Audio input interfaces (one part required if you need to input audio signals also):**

- SDSBMW - Vehicles without factory DSP, with CD changer**
- AUXBMWV2 - Vehicles without factory DSP, without CD changer**
- SDSBMW DSP - Vehicles with factory DSP, with CD changer**
- AUXBMW DSP - Vehicles with factory DSP, without CD changer**

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If you experience any problems, call SoundGate Technical Support at 800-256-0808 or e-mail us at [sgtech@soundgate.com](mailto:sgtech@soundgate.com).

# VIDBMW1V4 INSTALLATION INSTRUCTIONS

## IMPORTANT WARNING!

It is illegal in all 50 U.S. states, and in most Canadian provinces, to have real time video (TV broadcast, VHS, DVD video, etc.) in view of the driver.

IF YOU ARE GOING TO USE THE SOUNDGATE VIDEO INTERFACE FOR ANYTHING OTHER THAN INTERFACING A REARVIEW CAMERA SYSTEM, THE BLUE INTERLOCK WIRE ON THE SOUNDGATE VIDEO MODULE MUST BE PROPERLY CONNECTED TO PREVENT THE DRIVER VIEWING REAL TIME VIDEO WHILE THE VEHICLE IS IN MOTION.

We do not want to put our dealers in a position of liability, nor our customers in danger in the event of an accident due to driver distraction.

If you do not intend to comply with applicable law, please return the SoundGate video module to the dealer it was purchased from, or to SoundGate if it was purchased direct. Call SoundGate Customer Service at 800-256-0808 for a Return Authorization.

### Preliminary:

- Please consult a factory service manual for exact location and disassembly instructions if you are unsure of the procedure. Pay close attention to any warnings or instructions regarding working with or around airbags.
- Turn the ignition key to the "Off" position.
- Make sure the car's factory radio is turned to the "Off" position.

### Step 1

#### Verify DIP switch settings on VIDBMW1V4 module

On the end of the module as shown in the diagram at left below, you will see a red 5-position DIP switch. Verify that the switches are set as follows (On = down, Off = up):

2, 4 = on                      1, 3 and 5 = off.

### Step 2

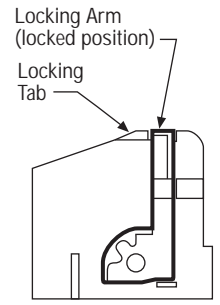
#### Install the video source unit(s)

Referencing the instructions provided with your video source units, install the components in the desired locations. Route the video cables and any required power, ground, and trigger wires to the factory amplifier location for connection to the VIDBMW1V4.

### Step 3

#### Disconnect factory navigation connector at Nav unit located behind amplifier

- You will be connecting the SoundGate VIDBMW1V4 at the factory Navigation unit in the trunk, or rear, of vehicle. Gain access to this location.
- Disconnect the blue connector at the factory Nav unit, coming from the navigation system (similar to male connector on VIDBMW1V4 harness - shown at right). Press the locking tab on the blue housing adjacent to the black locking arm, and rotate the locking arm 90° to release the connector.



Navigation Connector  
Figure 1

### Step 4

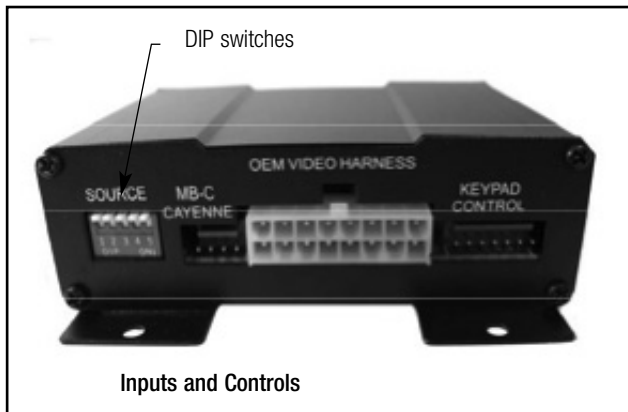
#### Connect VIDBMW1V4 harness to Nav unit behind amplifier

- Check the position of the black locking arm on the blue male connector of the VIDBMW1V4 harness and make certain it is in the unlocked position.
- Plug the blue male connector on the VIDBMW1V4 harness into the connector port vacated in Step 3 above. Rotate the locking arm to secure the connector. Do not force the locking arm or it may break.
- Plug the blue male connector disconnected in Step 3 above, into the blue and black female connector on the VIDBMW1V4 harness. Rotate the locking arm to secure the connector.

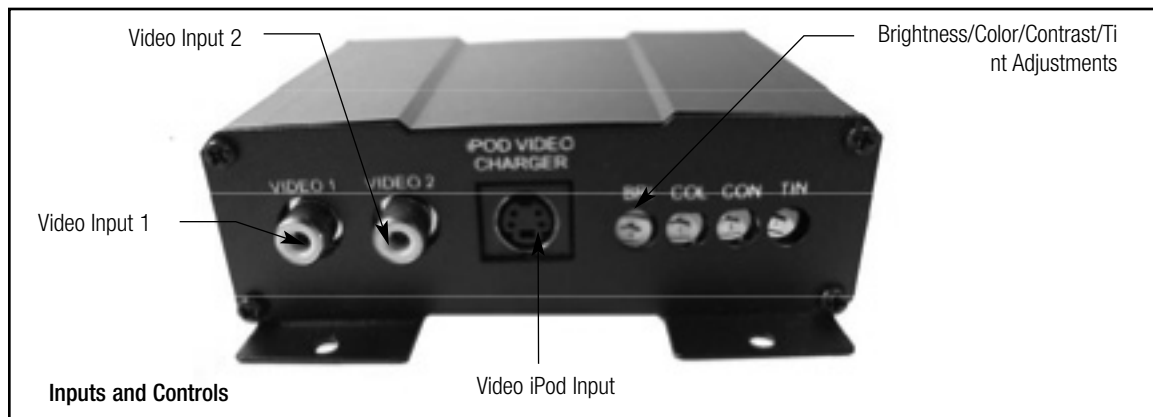
### Step 5

#### Connect remaining wires

Referencing Figure 2 and 3 on page 3, connect the remaining wires on the VIDBMW1V4 harness. One of the options shown will cover most installations. Consult the documentation that came with your video component to determine which of these is appropriate for your installation.



Inputs and Controls



Inputs and Controls

Video iPod Input

# VIDBMW1V4 INSTALLATION INSTRUCTIONS

## Step 6 Reinstall radio and test operation

# 6

- A. If you have installed a rearview camera, start the vehicle, turn on the radio and navigation system and put the vehicle in reverse. The navigation display should change to show the view from the camera. Shifting the vehicle out of park should return you to the navigation display. If necessary, adjust the brightness, color and contrast with the controls on the VIDBMW1V4.
- B. If you have installed a video system, with the vehicle in park gear, and the parking brake on, activate the video source. The navigation display will change to show the video source.
- C. With the video source active and playing, test the video interlock by taking off the parking brake. The navigation display should return.

## Step 7 Finish installation

# 7

Once testing is done and the system is functioning properly, reinstall all trim panels removed during installation. Installation is complete!

## VIDBMW1V4 OPERATION

**Rearview camera:** If you have installed a rearview camera system, and have the camera video signal connected to Video 1, with the grey Source 1 trigger wire fed from the back up light circuit, when you put the vehicle in reverse, the VIDBMW1V4 will automatically switch the screen display to the rearview camera.

**Adjusting picture quality:** VIDBMW1V4 module is equipped with brightness, color and contrast adjustments. **Note:** Adjustments affect both Video 1 and 2 equally (cannot be set individually).

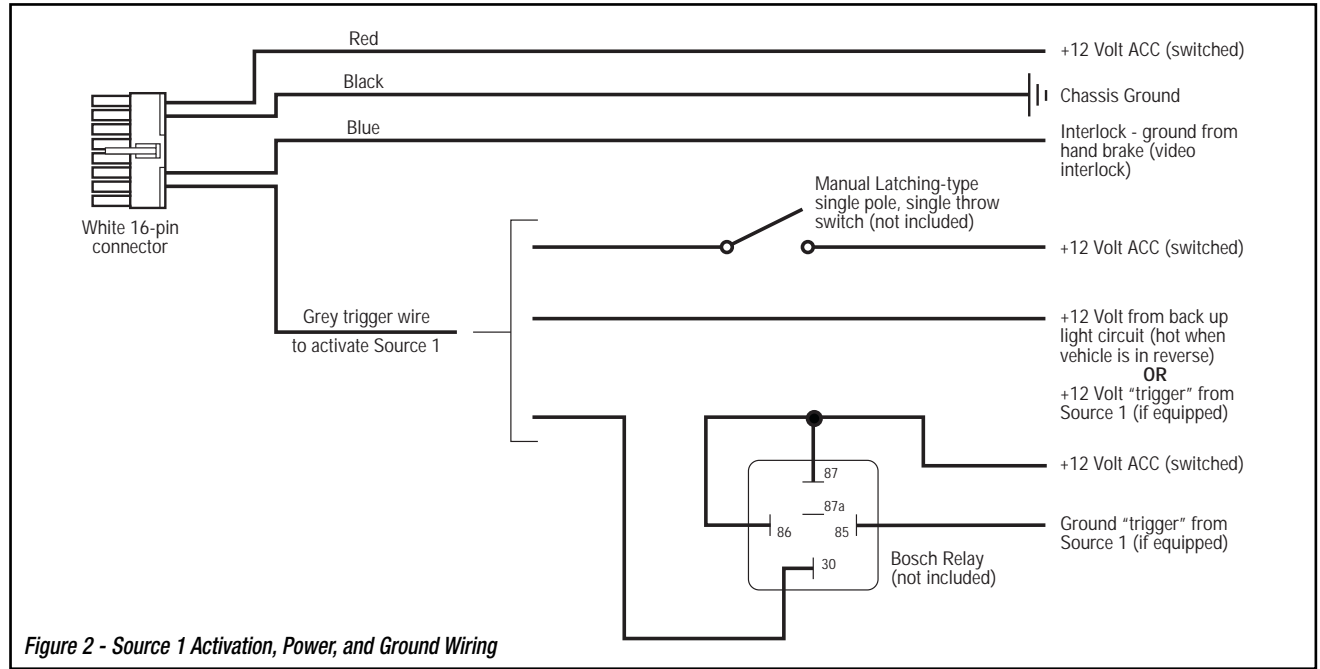


Figure 2 - Source 1 Activation, Power, and Ground Wiring

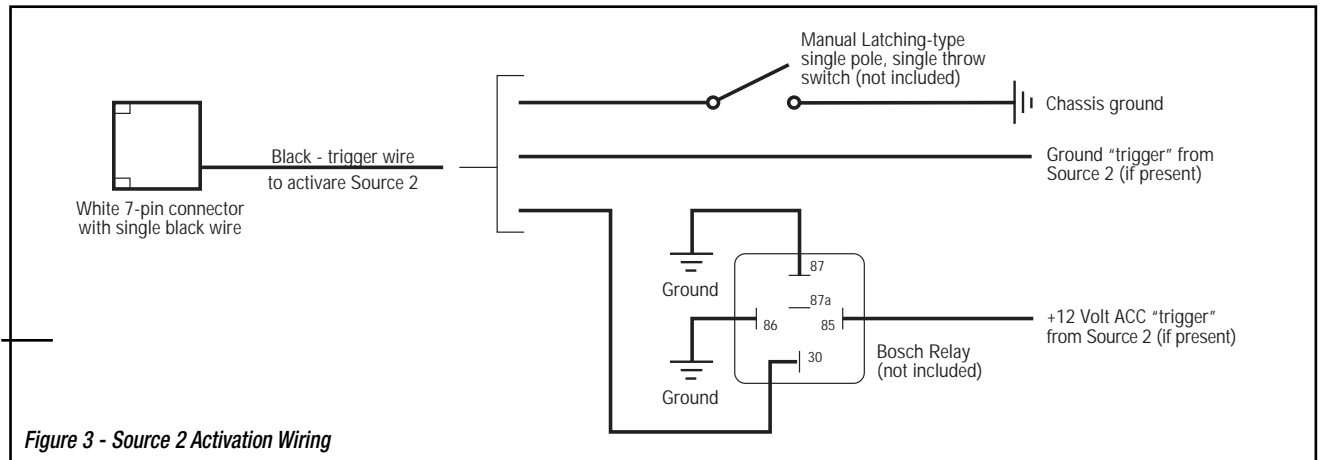


Figure 3 - Source 2 Activation Wiring