

## Installation Instructions...

### Step 8 *Install and connect the new audio sources.*

- A. Install the new audio source component(s) and accessories per the manufacturers instructions.
- B. Route the RCA audio cables from the new component(s) to the SDS1V2 and connect. If you are only using one pair of inputs on the SDS1V2, we recommend putting electrical tape over the unused pair of RCA inputs to prevent unintentional grounding.

### Step 9 *Test for correct operation.*

- A. Reinsert the magazine into the CD changer (wait for 10 to 15 seconds for the CD changer to initialize), then turn on the key, and the radio.
- B. Press the CD button on the radio and wait for the CD changer to begin play.

**Note: The CD changer must be active (running) to listen to Input A or Input B.**

- C. Activate your auxiliary audio source. Press the SDS1V2 selector switch to the left or right to select "Input A" and "Input B" The audio from source "A" will begin to play over the vehicle audio system when "Input A" is active. Adjust the gain on your auxiliary source to match the level on the CD changer.
- D. If you have connected a source to "Input B," move the SDS1V2 selector switch to the other position. The audio from source "B" should begin to play over the vehicle audio system when "Input B" is active.

#### Notes:

1. With some auxiliary audio sources you may not be able to match the volume level of the factory CD changer, even with the gain on the auxiliary component at maximum. You may also experience audible noise with the gain on the auxiliary unit at or near maximum. This is an indication that the output signal from your auxiliary source is not strong enough. Installation of a high-quality line driver will be required in these instances. The SoundGate LD100 is a high performance 2-channel line driver you can be used to boost the signal coming out of your auxiliary audio component.
2. Control of the components connected to Input A and B is per manufacturers directions and via the individual component's controls. The SDS1V2 remote selector switch is only for switching between sources.

### Step 10 *Installation is complete.*

- A. Reinstall the factory radio and any trimpanels removed during installation.
- B. Make certain that all cables are tucked out of the way and that no undue stress is placed on any connection.

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).

# SDSBMW

# SoundGate



#### Purpose...

The SDSBMW allows you to input the audio from not one, but two, audio

sources into the factory BMW audio systems shown below. The SDSBMW's remote control cable (with selector switch) allows the user to easily change from CD changer, to Input A, to

Input B and back again.

#### Features...

Advanced full-bandwidth circuit design, complete DC isolation, high quality small signal relays and factory-match connectors for an easy, reliable, great sounding installation.

### Applications

#### BMW

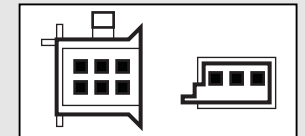
- 1996-2005 3-Series including Z and M-Series w/o DSP Audio System (1996 318ti Not Compatible)
- 2004-2008 X3 (excluding X3 with "DSP" system)
- 1997-2003 5-Series (excluding 5-Series with "DSP" system)
- 2000-2005 X5 (excluding 5-Series with "DSP" system)
- 2001-2003 Z8

#### Mini

- 2002-2005 Mini Cooper

#### Land Rover

- 2003 Range Rover (Must have 3 and 6-pin CD changer connectors shown at right at glovebox.)



#### Application Note:

The vehicle **must** be equipped with a direct-connected CD changer (not FM modulated) in order to use the SDSBMW. If you do not have a CD changer, our Auxiliary Input Interfaces may be your answer. Check out [www.soundgate.com](http://www.soundgate.com) for more information.

## Simple-fi.™

[www.soundgate.com](http://www.soundgate.com)

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# Installation Instructions

## Preliminary:

- A. Turn the ignition key of the car to the "Off" position.
- B. Make sure the car's factory radio is turned to the "Off" position.
- C. Eject the magazine from the factory CD changer.

## Step 1

### Gain access to the interfacing location for your SDSBMW

- A. You will be connecting the SoundGate Docking Station at the factory CD changer location. Gain access to this location.

## Step 2

### Disconnect CD changer cable from changer

- A. Disconnect the 6-pin connector from the CD changer.

## Step 3

### Connect SDSBMW to factory CD changer and factory CD changer harness

- A. Connect the 6-pin male connector on the SDSBMW harness (Figure 1 at right) to the factory CD changer.
- B. Plug the factory 6-pin male connector into the female connector on the SDSBMW harness (Figure 1 at right).

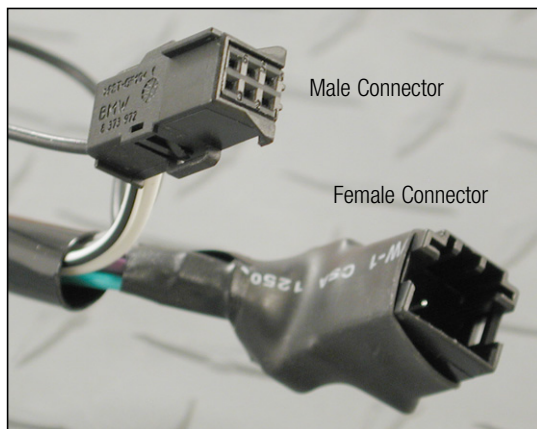


Figure 1

## Step 4

### Connect the red pigtail on the SDSBMW harness.

- A. Install a 2 Amp fuseholder in the red pigtail on the SDSBMW harness, and connect to a +12 Volt switched source (ignition). We recommend soldering rather than using crimp-style or "Scotch-locks". Insulate all connections properly (tape or shrink tubing) to prevent damage to components or systems.

## Step 5

### Connect the Docking cable to the Docking Station

- A. Plug the white 12-pin male connector from the cable into the electronics module.



Figure 2

## Step 6

### Securely mount the SDS1V2

- A. Mount the SDS1V2 securely. This can be done in several ways including double-stick tape and wire ties. If using wire ties, make certain you do not put undue pressure on the RCA's or the 12-pin connector going into the SDS1V2.

## Step 7

### Find a convenient location for the selector switch

- A. Find a convenient location to mount the selector switch. If you do not wish to drill mounting holes in the dashboard or trim, you can fabricate a small mounting plate.
- B. Route the switch harness to the desired location. Unplug the white connector located approximately 18 inches from the switch for easier installation.
- C. Mount the selector switch.

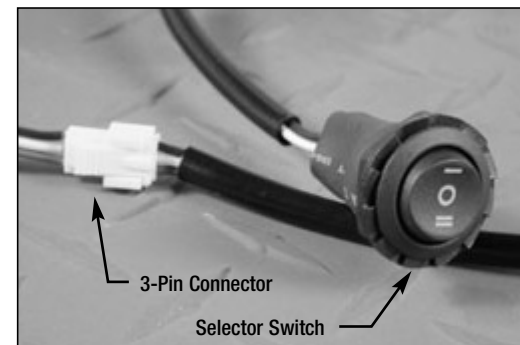


Figure 3

- Note:** In some instances, the protective shrink tubing may need to be trimmed for removal and re-installation of the mounting nut.

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