

BMWZNAUX1

Purpose

The SoundGate BMWZNAUX1 lets you connect a Zune™ digital media player directly to the factory radio in the BMW/Land Rover/Mini Cooper vehicles listed below. The BMWZNAUX1 supplies power, charges your Zune device, and allows for remote control of all Zune device functions (remote sold separately).



Features

The SoundGate BMWZNAUX1 utilizes sophisticated microprocessor control, ultra-reliable surface-mount construction, and advanced software design to flawlessly integrate with BMW/Land Rover/Mini Cooper audio systems. Your Zune device's audio can be selected from your factory radio's controls.

The BMWZNAUX1 works in the following vehicles:

BMW

3-Series (including M-Series)	1996–2005
5-Series	1997–2003
7-Series	August 1998–2001
X5	2000–2005
Z4	2003–2006
Z8	2001–2003

LAND ROVER

Range Rover	2003 (must be pre-wired for CD changer in glove box)
-------------	--

MINI COOPER

All	2002–2006 (must be CD changer ready)
-----	--------------------------------------

Note: The BMWZNAUX1 works perfectly with BMW navigation systems but does not work with factory BMW DSP audio systems.

Simple-fi.™

www.soundgate.com

Rev 20080404

If you experience problems, call SoundGate Technical Support at 800-256-0808, or email us at sgtech@soundgate.com.

Before You Begin



WARNING

DO NOT DISASSEMBLE OR ALTER

Doing so may result in an accident, fire, or electric shock.

Do not block your view

Do not mount product or any added audio/video equipment where it can block your view through the windshield or block your view of dashboard indicators and displays.

Do not block safety devices

Do not mount product or any added audio/video equipment where it can obstruct the operation of any safety device, such as the airbag.

Distraction warning

Do not allow product or any added audio/video equipment to distract you while you are driving.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL

Before starting any installation work, wait 90 seconds after turning the ignition switch to the LOCK position and disconnecting the negative (-) terminal from the battery. The supplemental restraint system (SRS), or airbag(s) is equipped with a backup power source. If installation work is started less than 90 seconds after disconnection of the negative (-) battery terminal, the SRS may deploy. When the negative (-) terminal cable is disconnected from the battery, the clock and audio systems' memory may be erased. Before starting installation work, make a record of the clock and audio systems' memory settings. When installation is complete, reset the clock and audio systems to their previous settings. Power tilt, power telescopic steering column, power seats, power mirrors, power shoulder belt anchorage, and other power accessories may or may not be equipped with a memory function; consider keeping a record of these settings as well.

When installation is complete, readjust the features to their previous settings.

Never use a backup power supply (such as another battery) during installation work in an attempt to avoid losing these memory settings.



CAUTION

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS

Cables or wiring that obstruct or get caught on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST

Moisture or dust may result in product failure.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS

The wiring and installation of this product requires special technical skills and experience.

USE ONLY SPECIFIED ACCESSORY PARTS

Use of other than specified parts may damage product internally.

FOLLOW THE OPERATIONAL AND INSTALLATION MANUALS.

YOU SHOULD READ AND FAMILIARIZE YOURSELF THOROUGHLY WITH THE FOLLOWING INFORMATION PRIOR TO INSTALLING AND USING THIS UNIT. IN ADDITION, YOU MUST CAREFULLY READ AND FOLLOW THE INSTALLATION SCHEMATICS AND INSTRUCTIONS FOR THE PRODUCT AND THE VEHICLE IN WHICH IT IS BEING INSTALLED. FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS MAY DAMAGE THE PRODUCT AND THE VEHICLE, WILL VOID THE PRODUCT WARRANTY, AND MAY VOID THE VEHICLE WARRANTY.

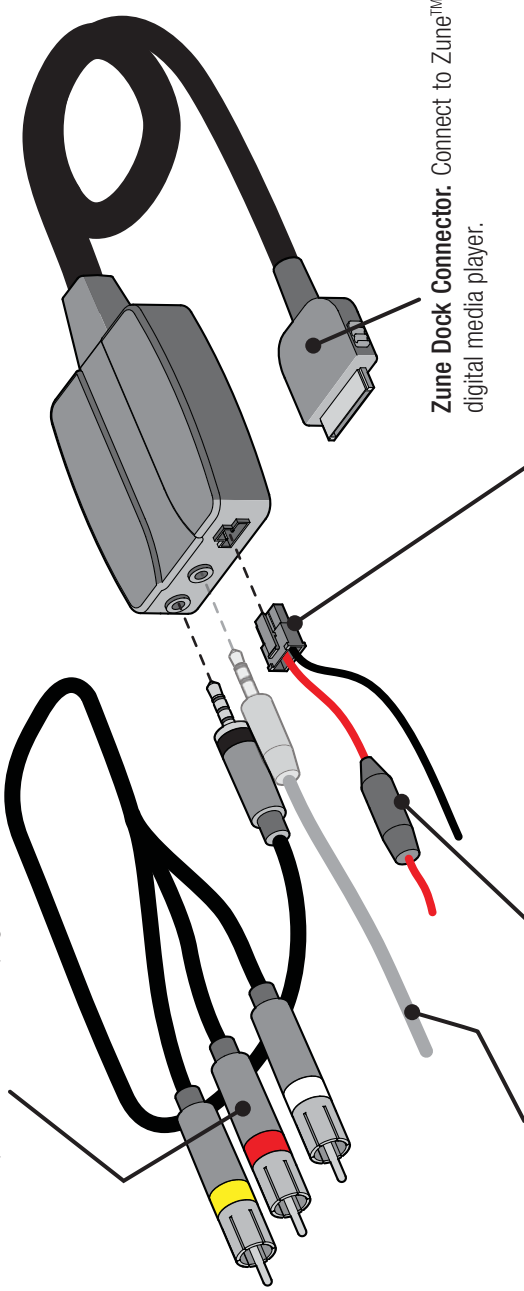
CHECK YOUR LOCAL LAWS

Some States/Provinces or other governmental jurisdictions (such as cities) may have laws that prohibit the operation of a video screen within the sight of the driver. If you have purchased such a product, you should use the product only in locations where it is legal to do so, and if you do use the product, set up the screen so it is only visible to passengers.

TROUBLESHOOTING

Should this product fail to operate properly, please contact your Dealer or SoundGate Technical Support at 800-256-0808.

RCA component A/V outputs. Yellow = Video, Red = Audio Right, White = Audio Left. Connect the audio outputs to the matching locations of the BMWZNAUX1 components on the next page

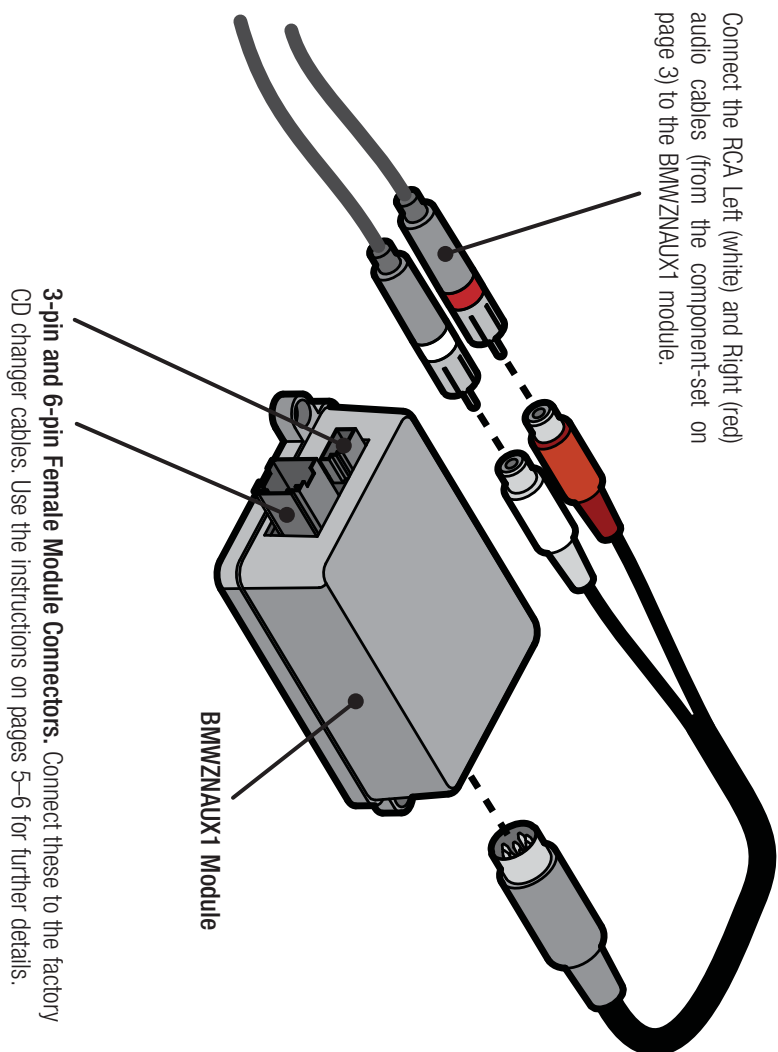


Zune Dock Connector. Connect to Zune™ digital media player.

Optional remote control (available separately). Allows full control of a connected Zune device's functions

Inline fuse. The red wire of the power connector is fused to protect your Zune device and vehicle systems. This wire requires a 12V, 1500mA fuse.

Power connector. Connect black wire to bare-metal chassis. Connect red wire to a +12V switched (ignition) power source.



**IMPORTANT**

Some BMW's are factory wired for a cellular phone. Except for wire location, the factory cellular phone connector looks identical to the factory 3-pin connector used for the CD changer. The **CORRECT** 3-pin connector for the CD changer has a BROWN wire (ground) in the #1 pin position. Please make certain you use this connector. The **INCORRECT** factory cellular phone connector has a BROWN wire in the center position—**DO NOT USE THIS CONNECTOR.**

**IMPORTANT**

In some 2002 vehicles (and 2003 Range Rovers), BMW has placed a square, plastic shroud over the factory 6-pin connector. This shroud prevents the 6-pin connector from plugging into the BMWZNAUX1 module. This shroud is easily removable; however, with the shroud removed, the connector can be inserted either way. **Match the pin numbers on the face of the factory 6-pin connector to the matching-numbered pins inside the 6-pin connector on the BMWZNAUX1 module.**

BEFORE YOU BEGIN:

1. Turn the ignition off.
2. Ensure the factory radio is turned off.
3. The BMWZNAUX1 is for vehicles that **DO NOT** have a CD changer installed. If your vehicle has a remote CD changer, you will need the SoundGate DockingStation (SoundGate SDS1V2). For information about the SDS1V2, visit www.soundgate.com.

Installation**STEP**

BMW and Mini Cooper vehicles: gain access to the CD changer location. The SoundGate BMWZNAUX1 connects in the truck (or rear cargo area in the X5) of your vehicle. Locate the factory 3-pin and 6-pin CD changer cables in the left or right rear corner of the vehicle's trunk. The factory cables may be attached to the factory CD changer mounting assembly (5-Series, 7-Series and X5), or behind the right rear corner trim material (3-Series).

2003 Range Rover: gain access to the CD changer location. Locate the factory 3-pin and 6-pin CD changer cables, prewired in the glovebox.

STEP

2

Connect the factory CD changer cables to the BMWZNAUX1 module. Connect the 3-pin and 6-pin factory CD changer cables to the BMWZNAUX1 module. Please read the **IMPORTANT** notes at the top of page 5.

STEP

3

Assemble the components shown on page 3 and connect them to the BMWZNAUX1 module. Use the diagrams on page 3 and 4 to assemble the components that will connect to and control your Zune device.

Power connector wiring. Connect the black wire of the power connector shown on page 3 to a clean, bare-metal chassis ground. When in doubt, measure the resistance between potential grounding points and the vehicle battery using a multimeter. Choose a grounding point with equivalent resistance as other grounded components in the audio system. Connect the red wire to a +12V switched (ignition) power source. This wire requires a 12V, 1500mA inline fuse. **MAKE CERTAIN THAT REPLACEMENT FUSES MATCH THESE SPECIFICATIONS.**

STEP

4

Mount all components. Mount the BMWZNAUX1 module behind or under the dash (mounting hardware not included). Be careful not to drill into wiring or vehicle mechanisms. You are solely responsible for securely fastening the BMWZNAUX1 in your vehicle. Make certain that wires and cables cannot be damaged by screws, clips, or sharp, exposed pieces of metal.

Ensure that the Zune dock connector is left in a convenient place for connection to your Zune device. Plug the Zune dock connector in straight. Do not insert the connector at an angle or wiggle the connector during insertion.

Controlling your Zune device

The BMWZNAUX1 will not provide control of your Zune device unless you attach the optional remote, which is available separately. Please visit www.soundgate.com or your local mobile audio dealer for details on the BMWZNAUX1 remote's availability.

Activating the BMWZNAUX1

1. Turn on the ignition and factory radio.
2. Ensure that your Zune device is connected and playing audio.
3. Wait 10 seconds for the factory radio and the BMWZNAUX1 to synchronize. Select the CD changer function on your factory radio. Please refer to the factory radio operation manual that came with your vehicle for specific details on how to select the CD changer function.

*The factory radio's display will report **Disc 1, Track 1**.*

4. To deactivate the BMWZNAUX1 and switch your radio back to its normal mode, simply change the source to AM/FM or internal CD.

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.

Simple-fi.TM

www.soundgate.com

ZuneTM and the ZuneTM logo are trademarks of the Microsoft group of companies.

Be sure to ask your autosound specialist about these other exciting SoundGate products...

- Auxiliary Input Interfaces and Docking Stations which allow you to input audio from MP3 Players, DVD/Video, Satellite Radio, and more to OEM and aftermarket car audio systems
- High-performance Radio Replacement
- Interfaces for seamlessly integrating new receivers or CD players into OEM audio systems
- 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!

Copyright© 2004-2008 SoundGate®. All Rights Reserved. SoundGate® is a registered trademark of Stillwater Designs, Inc. All other trademarks are the property of their respective owners.