

One Year
Warranty

SOUNDGATE®

Hear The Performance!™

Easy to follow
instructions
inside

KEEP THE FACTORY CONTROLS

GMSWI

Sony to GM

AUDIO CONTROL INTERFACE

APPLICATIONS

When installing a Sony Receiver or CD player into a General Motors vehicle equipped with steering wheel audio controls, this device will let you control the Sony receiver via the factory steering wheel audio pushbuttons (see applications on package back).

FEATURES

- Sophisticated solid-state design
- Simple, three-wire hookup
- Color-Coded Wiring

MADE IN
THE U.S.A.

FAST, EASY INSTALLATION

SoundGate® manufactures a complete line of high-performance Mobile Audio Interfaces. Ask your dealer for details.



SoundGate® is a registered trademark
of The Palmam Group, Inc.

Warranty

SoundGate® Interfaces are guaranteed to be free from defects in material or workmanship for a period of one year from the date of purchase.

Please note: The manufacturer's warranty is void if disassembly of the product has been attempted.

Liability Disclaimer

This instruction booklet is based on carefully documented research at the time of publishing.

SoundGate®, or The Putman Group, Inc. cannot be held liable for damages or injuries caused by, or resulting from the use of this product. Strictly adhere to all car manufacturer warnings that pertain to the disassembly, maintenance, or servicing of your car and any of its associated parts or systems.

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

 **SOUNDGATE**  **#GMSW1**

Purpose...

The GMSW1 lets you control Sony*, or Sony ES*, receivers and CD players from the factory steering wheel controls of your General Motors car.

Features...

The GMSW1 uses a highly reliable solid-state design to ensure reliable, trouble-free operation. Installation is fast and easy via a simple three-wire connection.

The SoundGate GMSW1 works in the following cars and vans:

- Camaro 1995 - 97
- Grand Prix 1994 - 99
- Monte Carlo 1995 - 99
- Skylark 1997 - 99
- Bonneville 1996 - 99
- Sunfire 1996 - 99
- Firebird 1995 - 99
- Lumina 1995 - 99
- Transport 1995 - 98
- Grand Am 1997 - 99
- Silhouette 1997 - 98

* Sony receiver or CD player must be capable of using optional RMX-2S, or RMX-4S remote commander (not needed as part of this installation).

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

- Competition-Grade Interfaces for adding amplifiers
- Interfaces for replacing factory Bose, and Ford Premium Sound System factory radios
- CD Changer Interfaces
- Compact Discs specifically engineered for testing your autosound system.
- And many others!

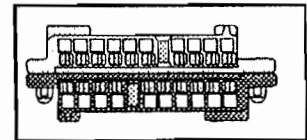


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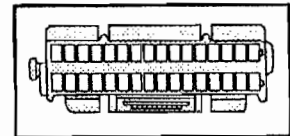
Step 1

Gain access to your factory radio. Following the instructions provided with the installation kit for your new receiver or CD player, carefully disassemble the dash area and remove your factory radio. Follow all precautions such as disconnecting the negative battery cable and setting the emergency brake. Especially follow manufacturer warnings that pertain to working around air bags.

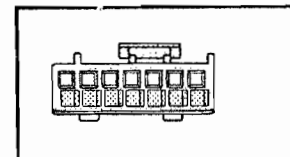
The GMSW-Series Interfaces convert the steering wheel audio-control-signals to ones compatible with SONY, and SONY ES receivers and CD players. The connector which connects the General Motors steering wheel controls with the factory General Motors radio is a 20-pin, gray/black connector, a 32-pin connector, or a 7-pin connector, as shown in the illustrations at right. One of these connectors will be found plugged into the rear of the factory radio, depending on the make and model of vehicle being worked on.



20 pin connector

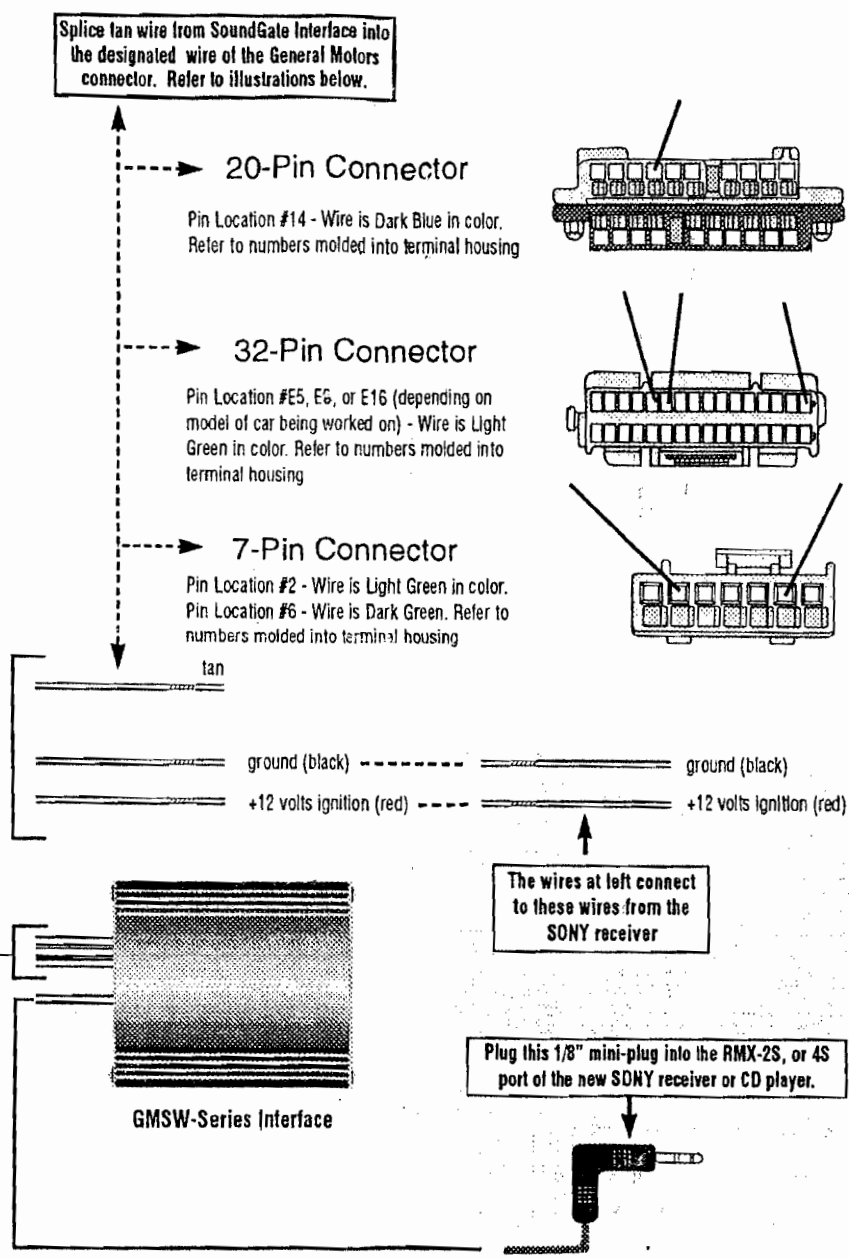


32 pin connector



7 pin connector

Step 2 Connect the **GMSW-Series interface** to the **SONY receiver/CD player** wiring, and to the **General Motors** wiring. Following the diagram below, connect the red and black wires of the GMSW-Series interface to the appropriate wires of the new SONY receiver or CD player (soldering is recommended for wire-to-wire connections). Secondly, connect the tan wire of the GMSW-Series Interface to the proper wire of the General Motors connector, referring to the diagrams below, and on the separate enclosed sheet. **Note: Connect all wiring before turning ignition key to "on" position, or before turning the SONY unit on.**



Step 3 Plug the **SoundGate Interface**, and new receiver or CD player into your car's radio harness. Test the operation of the receiver or CD player, then test the operation of the SONY receiver or CD player using the steering wheel audio controls. Secure the receiver/kit assembly to the car's dashboard. Replace any trimpanels or dash pieces removed during disassembly.

Operational notes for controlling your new Sony CD player or receiver using your factory steering wheel controls

- Step 1. During installation make sure the SONY unit and the car are both turned off. This will allow the GMSW-Series Interface to initialize itself with the SONY receiver and the steering wheel controls.
- Step 2. Turn the ignition key to the "on" position and turn on the SONY receiver or CD player.
- Step 3. Verify operation of the new SONY receiver or CD player by pushing each button of the steering wheel controls.

Please Note: All controls will function as they did with the factory radio installed. In addition, if a SONY CD changer has been installed along with the SONY receiver or CD player, it will also be controllable via the steering wheel buttons! Please spend a few minutes becoming familiar with the operations of the SONY receiver or CD player via the steering wheel buttons.