

VOLPDAUX1



Purpose

The SoundGate VOLPDAUX1 lets you connect an Apple iPod directly to the factory radio in the Volvo vehicles listed below. The VOLPDAUX1 supplies power, charges your iPod, and allows for remote control of most iPod functions via the REMCORE remote (sold separately).



Features

The SoundGate VOLPDAUX1 utilizes sophisticated microprocessor control, ultra-reliable surface-mount construction, and advanced software design to flawlessly integrate with Volvo audio systems—this provides audio fidelity far superior to FM transmitters, tape-deck adapters, etc. Your iPod's audio can be selected directly from your factory radio's controls.

The VOLPDAUX1 works in the following vehicles:

VOLVO

All models	1991–1997
C70	1998–2002
S40	1998–1999
S70	1998–1999
S80	1998–1999
S90	1998
V40	2000
V70	2000

Check www.soundgate.com for the most current compatibility information.

Simple-fi.™

www.soundgate.com

Rev 20080912

If you experience problems, call SoundGate Technical Support at 800-256-0808, or email us at support@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

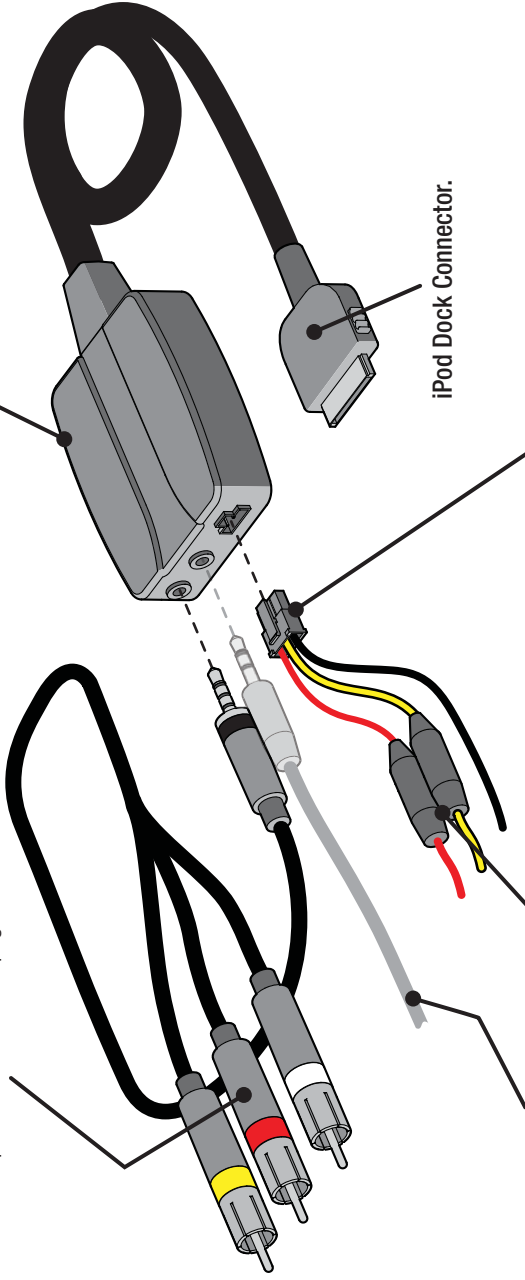
Some States/Provinces or other governmental jurisdictions (such as cities) may have laws that prohibit the operation of a video screen within the sight of the driver. If you have purchased such a product, you should use the product only in locations where it is legal to do so, and if you do use the product, 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 AV outputs. Yellow = Video, Red = Audio Right, White = Audio Left. Connect the audio outputs to the matching locations of the VOLPDAUX1 components on the next page

SoundGate CORE



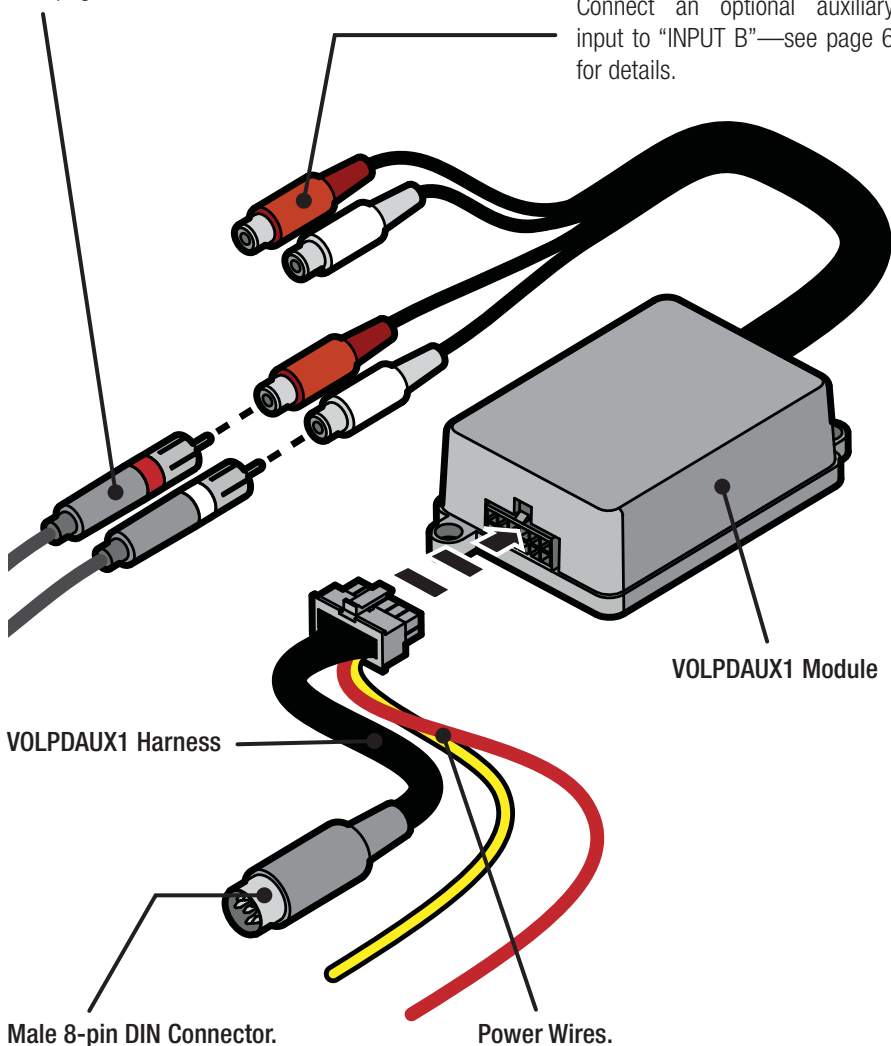
Optional REMCORE remote (available separately). Allows full control of a connected iPod's functions

Inline fuses. The red and yellow wires of the power connector are fused to protect your iPod and vehicle systems. The red wire requires a 12V, 500mA fuse. The yellow wire requires a 12V, 1 ampere fuse.

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

Connect the male RCA Left (white) and Right (red) audio cables (from the component-set on page 3) to "INPUT A" on the VOLPDAUX1 module—please read page 6 for details.

Connect an optional auxiliary input to "INPUT B"—see page 6 for details.




If present, disconnect the existing 8-pin connector on the rear of the factory radio. Replace the factory connector with the 8-pin male DIN connector shown above.

Connect the red wire to a +12V switched (ignition) power source. Connect the yellow wire to a constant +12V power source.


BEFORE YOU BEGIN:

1. Turn the ignition off.
2. Ensure the factory radio is turned off

Installation

STEP 1  **Remove the factory radio.** The VOLPDAUX1 will connect directly to the CD changer port on the rear panel of the factory radio. Use the factory service manual for detailed instructions on how to remove the factory radio. If you feel this process is beyond your abilities, we strongly recommend having the work done by a mobile electronics specialist.

The factory CD changer connector is located on the rear panel of the radio; if this connector housing already has an 8-pin DIN connector attached, the vehicle is pre-wired for a factory CD changer. Remove this connector if present—it will not be used.

STEP 2  **Connect the VOLPDAUX1 harness.** To ensure reliable, trouble-free operation, the constant and switched power sources for the VOLPDAUX1 should be connected separately from the factory radio connections. Solder or use crimp terminals to connect the +12V constant and +12V switched power connections described in the steps below. Double-check connections for electrical continuity using a multimeter. Ensure that all connections are properly protected with heat-shrink tubing or electrical tape to prevent damage to the VOLPDAUX1 and vehicle systems.

1. Connect the yellow wire from the VOLPDAUX1 harness to a constant +12V power source. We **DO NOT** recommend the +12V constant in the factory radio harness.
2. Connect the red wire from the VOLPDAUX1 harness to a switched +12V power source. We **DO NOT** recommend the +12V “ignition” source in the factory radio harness.
3. Plug the male 8-pin DIN connector on the VOLPDAUX1 harness to the matching connector on the rear panel of the factory radio. Connect the remaining end of the harness to the VOLPDAUX1 module.

Installation

STEP

3

Assemble the components shown on page 3 and connect them to the VOLPDAUX1 module. Use the diagrams on page 3 and 4 to

assemble the components that will connect to and control your iPod.

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. Connect the yellow wire to a +12V constant power source. The red wire requires a 12V, 500mA inline fuse; the yellow wire requires a 12V, 1 ampere fuse. **MAKE CERTAIN THAT REPLACEMENT FUSES MATCH THESE SPECIFICATIONS.**

RCA connections. The VOLPDAUX1 module has two pairs of female RCA connectors labeled "INPUT A" and "INPUT B". For simplicity, connect the male RCA audio cables (from the RCA component A/V output breakout shown on page 3) to the female RCA connectors labeled "INPUT A"; this connects your iPod to "INPUT A". You may optionally connect an additional low-level audio input source to "INPUT B".

STEP

4

Mount all components. Mount the VOLPDAUX1 modules 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 VOLPDAUX1 in your vehicle. Make certain that wires and cables cannot be damaged by screws, clips, or sharp, exposed pieces of metal.

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

Operation

iPod Details

The VOLPDAUX1 works with any 3rd generation and newer iPod with a dock connector, including the iPod Touch and iPhone.

iPod Charging

While the ignition is turned on, the CORE charges your iPod. Once the ignition is turned off, the CORE pauses the iPod, charges it for 10 minutes, then puts the iPod into sleep mode.

Controlling your iPod

The VOLPDAUX1 will not provide control of your iPod unless you attach the optional REMCORE remote, which is available separately. Please visit www.soundgate.com or your local mobile audio dealer for details on REMCORE availability.

VOLPDAUX1 Operation

- To activate the VOLPDAUX1, enter CD-changer mode by pressing the factory radio's **CD** button or using the **Mode** button to switch to CD-changer mode (make sure you have music playing on your iPod).
- Press **Random** twice to switch between INPUT A (your iPod) and INPUT B (optional auxiliary source).

NOTE

If pressing **Random** twice does not work on your radio, press **Random** or **Scan** *only once* to switch between INPUT A and INPUT B.

- The factory radio will display **Disc1** when INPUT A (your iPod) is selected. When INPUT B (optional auxiliary source) is selected, the factory radio will display **Disc2**.
- To deactivate the VOLPDAUX1, simply source to AM/FM or the internal factory CD player.

Troubleshooting

To activate the iPod's video output (for iPod's that support TV Out):

1. Go to Videos > Settings.
2. Set the **TV Out** option to **Ask** or **On**.
3. Adjust the **TV Signal** and **TV Screen** options to match your video input device.

If your iPod is frozen or will not turn on, try resetting your iPod, using these instructions:

1. Toggle the **Hold** switch on, then off.
2. Press and hold the **Menu** and **Center** buttons simultaneously until the Apple logo appears. On older iPods, press the **Play/Pause** and **Menu** buttons. On the iPod Touch and iPhone, press the **Menu** and **Sleep** buttons.
3. If you're still having problems, you may need to recharge your iPod with a wall charger or your computer.
4. If your iPod won't mount on your computer or take a charge, the battery may need to be completely drained. Put the iPod aside for 24 hours, then try charging again.

If your iPod's battery has completely drained:

Connect the iPod to a wall charger or your computer as soon as possible and perform a full charge. If the iPod will not charge, try the reset method above.

Troubleshooting Continued...

If your iPod's battery has completely drained:

Connect the iPod to a wall charger or your computer as soon as possible and perform a full charge. If the iPod will not charge, try the reset method above.

If you have further iPod battery, charging, or other problems, contact Apple tech support.

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.

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!

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