

**Purpose**

The SoundGate FDPDAUX2 lets you connect an Apple iPod directly to the factory radio in the vehicles listed below. The FDPDAUX2 supplies power, charges your iPod, and allows for remote control of most iPod functions via the REMCORE remote (sold separately).



**Features**

The SoundGate FDPDAUX2 utilizes sophisticated microprocessor control, ultra-reliable surface-mount construction, and advanced software design to flawlessly integrate with factory 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 FDPDAUX2 works in the following vehicles:**

VEHICLE	YEAR	AUDIO SYSTEM	VEHICLE	YEAR	AUDIO SYSTEM
<b>FORD</b>			Navigator	1999-02	CD changer capable
Crown Victoria	1998-02	CD changer capable	Town Car	1998-02	CD changer capable
Econoline	1998-05	CD changer capable	<b>MAZDA</b>		
Excursion <sup>1</sup>	2000-05	CD changer capable	Pickup	1998-03	CD changer capable
Expedition <sup>2</sup>	1999-02	CD changer capable	<b>MERCURY</b>		
Explorer	1999-03	CD changer capable	Grand Marquis	1998-02	CD changer capable
F150 Heritage	1999-07	CD changer capable	Marauder	2003-04	CD changer capable
F250/F550SD	1999-04	CD changer capable	Mountaineer	1998-03	CD changer capable
Ranger <sup>3</sup>	1998-03	CD changer capable	Villager <sup>5</sup>	1999-02	CD changer capable
Windstar	1999-02	CD changer capable	<b>NISSAN</b>		
<b>LINCOLN</b>			Quest <sup>5</sup>	1999-02	CD changer capable
Continental <sup>4</sup>	1998-02	CD/Cassette combo			
LS	2000-02	CD changer capable			

<sup>1</sup> Without rear DVD  
<sup>2</sup> Some early 2003 Expeditions use the connectors in this package while later 2003 Expeditions require the SoundGate FDPDAUX1.  
<sup>3</sup> Not compatible with Ranger Tremor  
<sup>4</sup> For 2003, the vehicle must be pre-wired for CD changer and will require the SoundGate FDPDAUX1.  
<sup>5</sup> Without factory video system

Check [www.soundgate.com](http://www.soundgate.com) for the most current compatibility information.

Simple-fi.™

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

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If you experience problems, call SoundGate Technical Support at +1-800-256-0808, or email us at [support@soundgate.com](mailto:support@soundgate.com).

**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.**

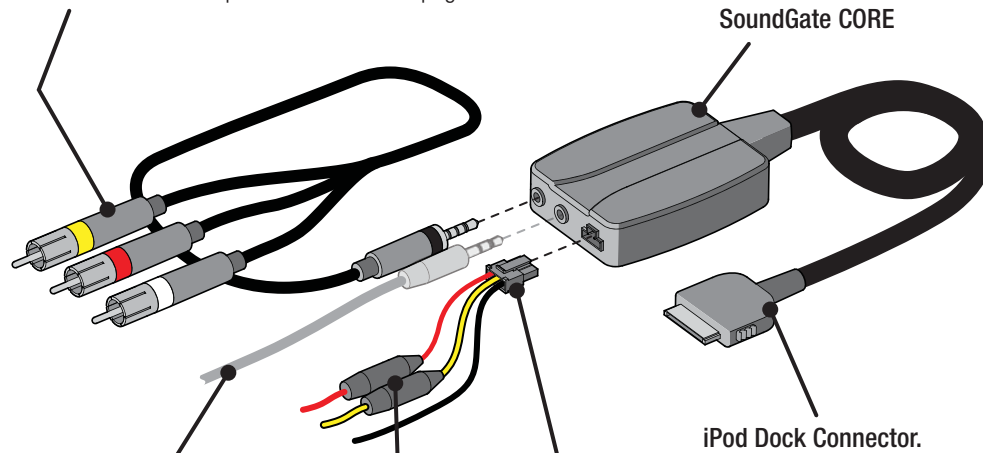
YOU SHOULD READ AND FAMILIARIZE YOURSELF THOROUGHLY WITH THE FOLLOWING INFORMATION PRIOR TO INSTALLING AND USING THIS UNIT. IN ADDITION, YOU MUST CAREFULLY READ AND FOLLOW THE INSTALLATION SCHEMATICS AND INSTRUCTIONS FOR THE PRODUCT AND THE VEHICLE IN WHICH IT IS BEING INSTALLED. FAILURE TO FOLLOW INSTALLATION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

**TROUBLESHOOTING**

Should this product fail to operate properly, please contact your Dealer or SoundGate Technical Support via email at [sgtech@soundgate.com](mailto:sgtech@soundgate.com) or via phone at +1-800-256-0808.

**FDPDAUX2 Overview**

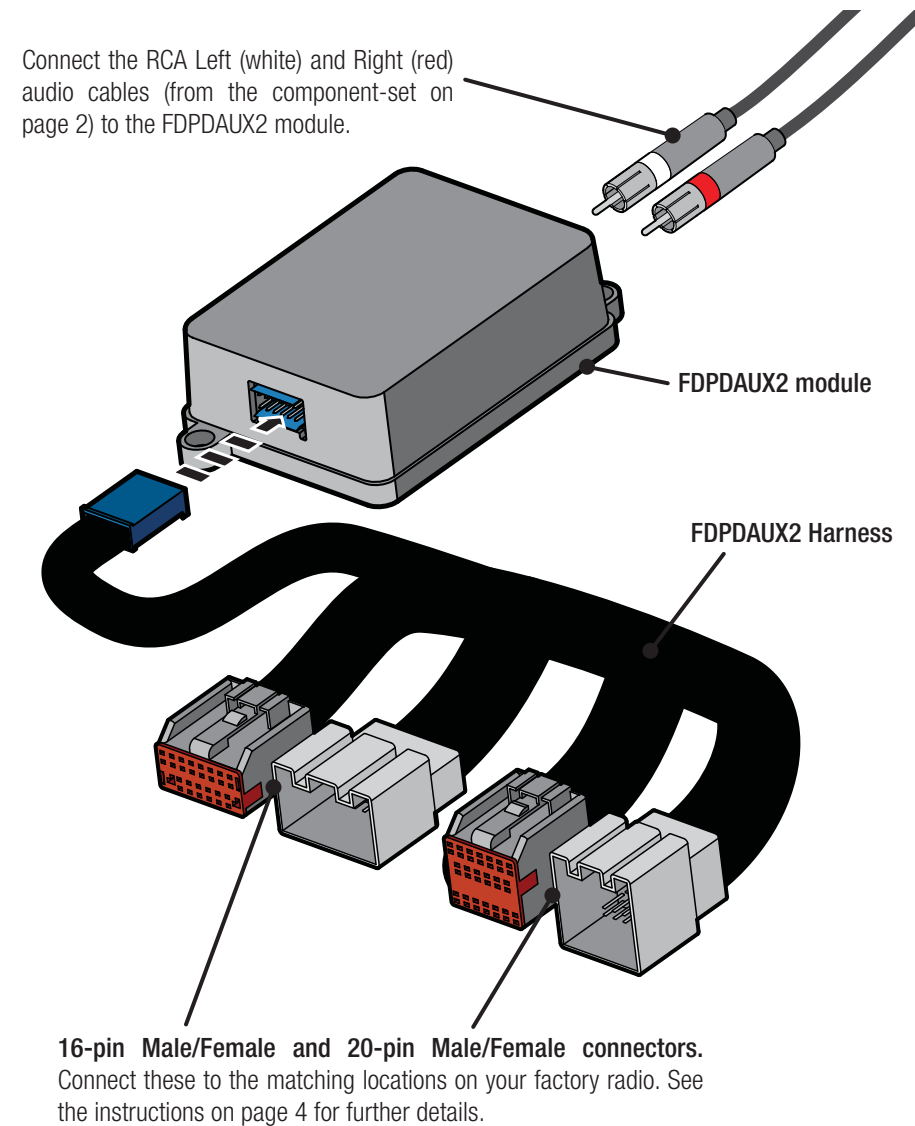
**RCA component A/V outputs.** Yellow = Video, Red = Audio Right, White = Audio Left. Connect the audio outputs to the matching locations of the FDPDAUX2 components on the next page



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

**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 +12 V constant power source.

**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.



Connect the RCA Left (white) and Right (red) audio cables (from the component-set on page 2) to the FDPDAUX2 module.

FDPDAUX2 module

FDPDAUX2 Harness

**16-pin Male/Female and 20-pin Male/Female connectors.** Connect these to the matching locations on your factory radio. See the instructions on page 4 for further details.

**BEFORE YOU BEGIN:**

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

**Installation**

**STEP 1** Gain access to the factory radio's rear panel. The FDPDAUX2 connects directly to the rear panel of the factory radio. Full or partial disassembly of the dash will be necessary. Use a "DIN tool" to remove the factory radio. If you are unsure of this procedure, please consult a factory service manual or have the work performed by a mobile electronics specialist. Pay special attention to warnings or instructions regarding working near airbags, other safety devices, or security systems.

**STEP 2** Connect the FDPDAUX2 harness to the factory radio. After exposing the rear panel of the factory radio, disconnect the factory connectors.

Plug **BOTH** male connectors of the FDPDAUX2 harness into the matching locations on the factory radio's rear panel. Connect the factory connectors you disconnected from the radio into the matching female connectors on the FDPDAUX2 harness.

**STEP 3** Assemble the components shown on page 2 and connect them to the FDPDAUX2 module. Use the diagrams on pages 2–3 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.**

**STEP 4** Mount all components. Mount the FDPDAUX2 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 FDPDAUX2 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 dock connector in straight. Do not insert the connector at an angle or wiggle the connector during insertion.

**iPod Details**

The FDPDAUX2 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 FDPDAUX2 will not provide control of your iPod unless you attach the optional REMCORE remote, which is available separately. Please visit [www.soundgate.com](http://www.soundgate.com) or your local mobile audio dealer for details on REMCORE availability.

**Activating the FDPDAUX2**

To activate the FDPDAUX2, 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.

**IMPORTANT**

After installation, test for correct operation by following these steps:

1. Turn on the radio and press the **FM** button. Next, press the **CD** button to test for proper operation (make sure you have music playing on your iPod).

*If at this point the radio displays **NO DJ** or **NO CDDJ**, do the following:*

2. Leave the radio on.
3. Disconnect the blue connector from the FDPDAUX2 module. Wait 30 seconds.
4. With the radio still on, reconnect the blue connector and press the **CD** button.

**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.

**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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