

# HONPD4



# SoundGate®

## Purpose

The SoundGate HONPD4 lets you connect an iPod® digital media player directly to your factory radio in the Honda/Acura vehicles listed below. The HONPD4 charges your iPod device and allows for control of iPod device functions through the factory radio controls.



## Features

The SoundGate HONPD4 utilizes sophisticated microprocessor control, ultra-reliable surface-mount construction, and advanced software design to flawlessly integrate with Honda/Acura audio systems. Utilized with the included SoundGate CORE™ product, the HONPD4 will enable control of your Apple iPod device through the controls of the factory radio.

### *The HONPD4 works in the following vehicles:*

#### **ACURA**

MDX*	2005–2006
RSX (Satellite capable)	2004–2006
TL	2004–2008
TSX*	2004–2008

#### **HONDA**

Accord	2003–2009
Civic/Hybrid	2006–2009
CRV*	2005–2006
CRV	2007–2009
Element*	2003–2006
Element	2007–2009
Fit	2007–2009
Odyssey*	2005–2009
Pilot*	2004–2009
Ridgeline	2006–2009
S2000 (Sat capable)	2004–2009

*NOTE: Installing this device in CD mode will allow the vehicle to recognize it as a second CD changer, leaving all other modes unaffected.*

*If installed in Satellite mode, the factory satellite radio will be replaced.*

\* Vehicle must be equipped with satellite capable, double-DIN radio.

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

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

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

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## 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.**

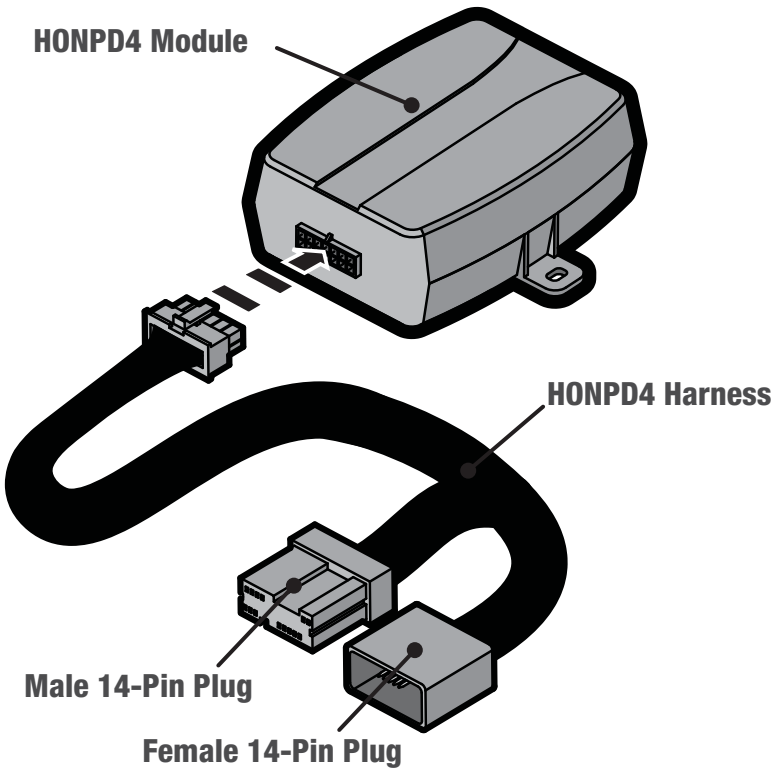
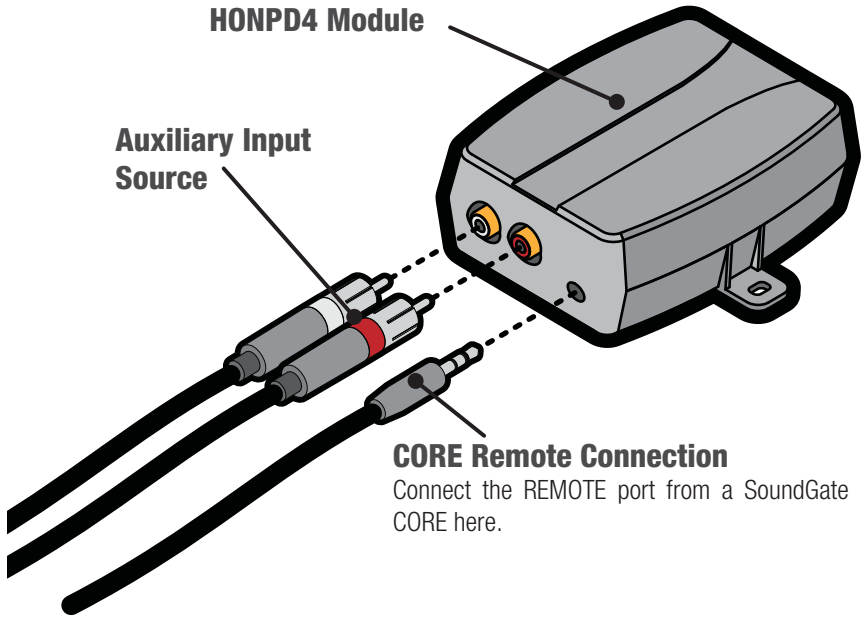
YOU SHOULD READ AND FAMILIARIZE YOURSELF THOROUGHLY WITH THE FOLLOWING INFORMATION PRIOR TO INSTALLING AND USING THIS UNIT. IN ADDITION, YOU MUST CAREFULLY READ AND FOLLOW THE INSTALLATION SCHEMATICS AND INSTRUCTIONS FOR THE PRODUCT AND THE VEHICLE IN WHICH IT IS BEING INSTALLED. FAILURE TO FOLLOW INSTALLATION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

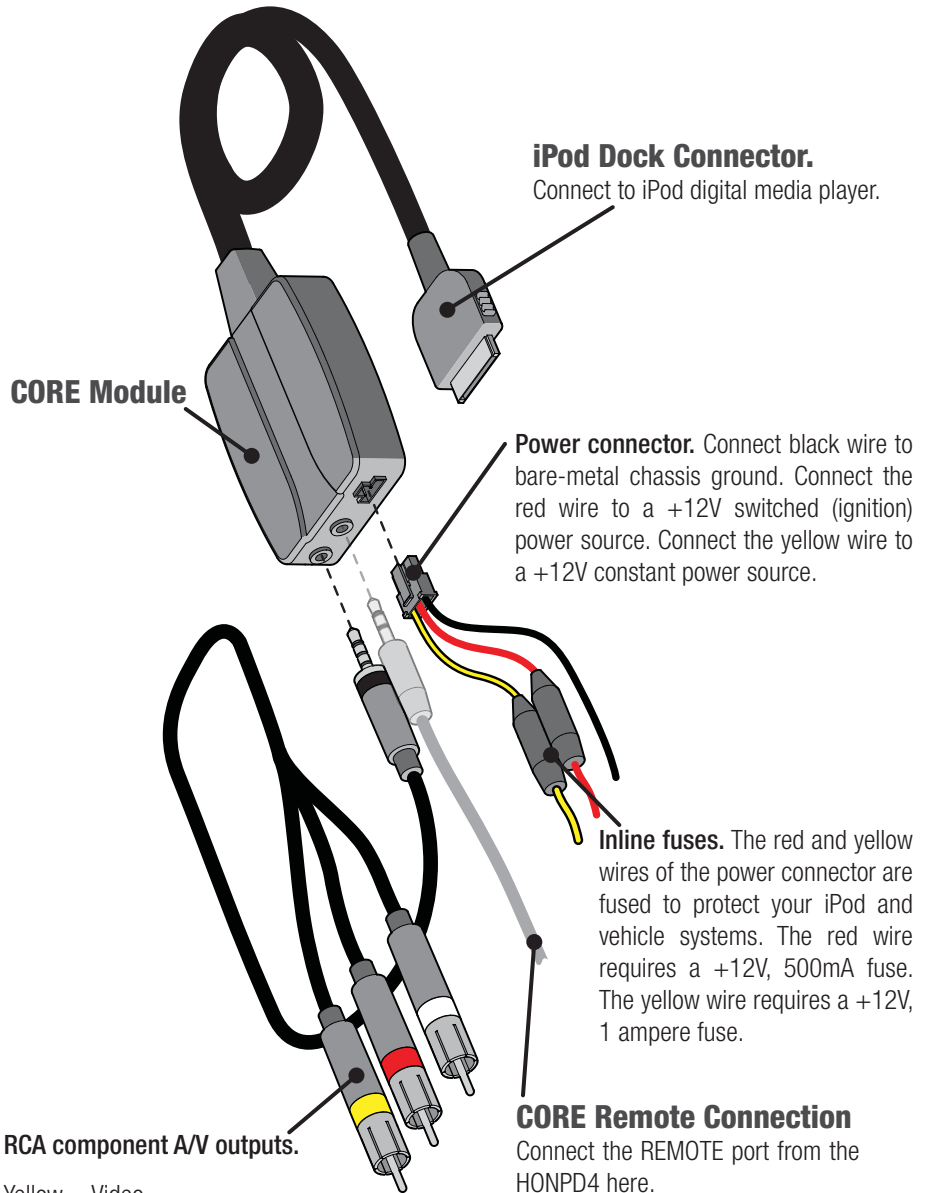
#### **CHECK YOUR LOCAL LAWS**

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.





**iPod Dock Connector.**

Connect to iPod digital media player.

**CORE Module**

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

**RCA component A/V outputs.**

Yellow = Video

Red = Audio Right

White = Audio Left.

Connect these to the audio inputs of the HONPD4 Module.

**CORE Remote Connection**

Connect the REMOTE port from the HONPD4 here.

**BEFORE YOU BEGIN:**

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

**Installation****IMPORTANT**

The HONPD4 has two emulation modes that are selected by two switches on the circuit board. When both switches are down, the HONPD4 will emulate and replace the factory satellite radio. When switch one is up and switch two is down, the HONPD4 will emulate an additional CD changer. This will allow you to maintain as many of the factory options as possible. Some modes will offer different functionality with your iPod device. Please see the tables on pages 6 and 7 for details.

**STEP****1**

**Gain access to the factory radio's rear panel.** The HONPD4 connects directly to the rear panel of the factory radio. Full or partial disassembly of the dash will be necessary. 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 HONPD4 harnesses to the factory radio.** Disconnect the factory cable from the factory radio. Connect the male 14-pin plug of the HONPD4 wiring harness to the factory radio, then replace the vehicle's 14-pin factory plug to the 14-pin female plug of the HONPD4 harness.

**STEP****3**

**Connect your SoundGate CORE.** The SoundGate CORE will allow you to control the functions of your iPod device through the controls of your factory radio. Connect the included A/V breakout cable to the **A/V OUT** jack on the SoundGate Core. Plug the left and right RCA audio connectors into the audio inputs of the HONPD4 Module. If you have an aftermarket DVD player or video receiver, plug the yellow composite RCA video connector into the aftermarket device's video input. Connect a 1/8" patch cable from the CORE remote connection to the remote input of the HONPD4.

**Discreet Power Harness Wiring.** Connect the black wire of the power connector (shown on page 4) 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 yellow wire to a constant +12V power source (vehicle battery). We DO NOT recommend the +12V constant in the factory radio harness due to the possibility of excessive voltage drop during vehicle starting. Connect the red wire to a +12V switched (ignition) power source. The red wire requires a 12V, 500 mA inline fuse; the yellow wire requires a +12V, 1 ampere fuse.

**Note: Make sure that replacement fuses match this specification.**

Once your SoundGate CORE is connected, use the tables below and on Page 7 to determine what functions of the iPod device are controlled by the factory radio. Please note that the control of the device will differ depending upon which mode you have selected: to emulate a second CD changer or replace the Satellite radio. For more information on the CORE and other exciting products offered by SoundGate, please visit [www.soundgate.com](http://www.soundgate.com).

**STEP 4** **Mount all components.** Mount the HONPD4 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 HONPD4 in your vehicle. Make certain that wires and cables cannot be damaged by screws, clips or sharp, exposed pieces of metal.

Ensure that the auxiliary inputs and CORE plug are in a convenient location for connection.

With the HONPD4 passing audio, test the auxiliary input by pressing the appropriate button until you have selected the input source the HONPD4 is emulating/replacing.

*Please note that the tables below are a generic control list. Your radio might not support all functions.*

### iPod Control

HONDA RADIO CONTROL	CD EMULATION MODE	SAT EMULATION MODE
Preset 6	-----	Playlist
Preset 5	-----	Playlist
Seek	Track	Track
Seek	Track	Track
Scan/Rpt	Repeat	-----
Random	Random	-----
Scan	Play/Pause	Play/Pause
Preset 1	-----	Repeat
Preset 2	-----	Random
Disc	Playlist	-----
Disc	Playlist	-----

iPod Control

<b>ACCORD NAV RADIO CONTROL</b>	<b>CD EMULATION MODE</b>	<b>SAT EMULATION MODE</b>
Preset 6	-----	Playlist <b>▲</b>
Preset 5	-----	Playlist <b>▼</b>
Seek <b>▲</b>	Track <b>▲</b>	Track <b>▲</b>
Seek <b>▼</b>	Track <b>▼</b>	Track <b>▼</b>
Scan/Rpt	Repeat	-----
Random	Random	-----
Scan	Play/Pause	Play/Pause
Preset 1	-----	Repeat
Preset 2	-----	Random
Disc <b>▲</b>	Playlist <b>▲</b>	-----
Disc <b>▼</b>	Playlist <b>▼</b>	-----
Category <b>▲</b>	-----	Playlist <b>▲</b>
Category <b>▼</b>	-----	Playlist <b>▼</b>
Str Wheel CH <b>▲</b>	Track <b>▲</b>	Track <b>▲</b>
Str Wheel CH <b>▼</b>	Track <b>▼</b>	Track <b>▼</b>
Str Wheel Hold CH <b>▲</b>	Playlist <b>▲</b>	Playlist <b>▲</b>
Str Wheel Hold CH <b>▼</b>	Playlist <b>▼</b>	Playlist <b>▼</b>
<b>ODYSSEY NAV RADIO CONTROL</b>	<b>CD EMULATION MODE</b>	<b>SAT EMULATION MODE</b>
Preset 6	-----	Playlist <b>▲</b>
Preset 5	-----	Playlist <b>▼</b>
Seek <b>▲</b>	Track <b>▲</b>	Playlist <b>▲</b>
Seek <b>▼</b>	Track <b>▼</b>	Playlist <b>▼</b>
Scan/Rpt	Repeat	-----
Random	Random	-----
Scan	Play/Pause	Play/Pause
Preset 1	-----	Repeat
Preset 2	-----	Random
Disc <b>▲</b>	Playlist <b>▲</b>	-----
Disc <b>▼</b>	Playlist <b>▼</b>	-----
Category <b>▲</b>	-----	Playlist <b>▲</b>
Category <b>▼</b>	-----	Playlist <b>▼</b>
Str Wheel CH <b>▲</b>	Track <b>▲</b>	Random
Str Wheel CH <b>▼</b>	Track <b>▼</b>	Playlist <b>▲</b>
Tuning Knob Right	-----	Track <b>▲</b>
Tuning Knob Left	-----	Track <b>▼</b>

## **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.

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

iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

## **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!

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