



DICE interface for iPod

for selected Honda/Acura vehicles

Installation Guide/User Manual



SILVERLINE

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Icon legends



Turn jog dial



Turn jog dial repeatedly



Press button



Press button repeatedly

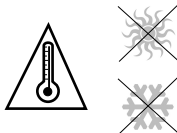


Scroll

Warning and safety!

Please read these instructions carefully before proceeding. Failure to follow instructions may result in improper operation or injury. Neither DICE Electronics, LLC. nor Apple Inc., its regional offices, distributors or resellers take any responsibility for any damage or injury as a result of using the integration kit.

- Do not open, disassemble or alter the interface in any way.
- Do not insert anything into the casing.
- Do not cut or try to alter cables in any way and always use the correct connections.
- Only operate unit when stationary or ask passengers to operate it for you.
- Do not allow the Apple iPod to distract you from driving.
- Exercise good judgement and keep your eyes on the road at all times.
- Do not expose unit to extreme temperatures, humidity or shock.
- Keep the unit and iPod away from fluids.
- Keep away from children! - Interface components may contain small parts, can be broken or disassembled and components may become loose from vibration and heat. Small components and packaging materials may be a choking hazard when handled by children.



Congratulations on your purchase

Thank you for purchasing the DICE integration kit for iPod. Please review our user manual and installation guide before operating the unit. This interface was designed and manufactured to seamlessly integrate with your vehicle's factory entertainment system.

Product registration

In order to validate your warranty period and to receive telephone or online support, you **MUST** register your DICE product.

To register your DICE product, please complete the following steps:

1. Visit <http://www.diceelectronics.com/register>
2. Complete the product registration form.
3. Submit the form.
4. Save the registration/support/warranty sheet in a safe place for future reference.

If you are unable to complete the registration via internet, please call DICE Electronics at 1-888-342-3999.

Supported iPod models and firmware version requirements

FW:3.1.1



iPod
4th generation
20GB 40GB

FW:1.2.1



iPod
4th generation color display
20GB 30GB 40GB 60GB

FW:1.0.3



iPod classic
80GB 160GB

FW:1.2.1



iPod
5th generation (video)
30GB 60GB 80GB

FW:1.4.1



iPod mini
4GB 6GB

FW:1.0.3



iPod nano
3th generation (video)
4GB 8GB

FW:1.3.1



iPod nano
1st generation
1GB 2GB 4GB

FW:1.1.3



iPod nano
2nd generation (aluminum)
2GB 4GB 8GB

FW:1.1.1



iPod touch
8GB 16GB 32GB

For the latest firmware versions and models not listed, please contact your authorized dealer or DICE Electronics, LLC.

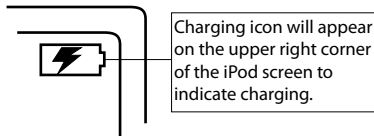
iPod hierarchy

By default, the interface creates a Playlist having a name that is the same as the name of the iPod. This Playlist is the very first on the list of Playlists shown while browsing in Playlist mode. This Playlist contains all the songs on the iPod. Once a Playlist is active an Artist may be selected within that Playlist using the Artist Mode. Albums by the selected Artist and within the selected Playlist may be selected in Album Mode. "ALL ARTIST" and "ALL ALBUM" designate all available content in those categories.



Charging

The interface automatically charges the battery of the iPod when connected and the key is in the ACC/ON position.

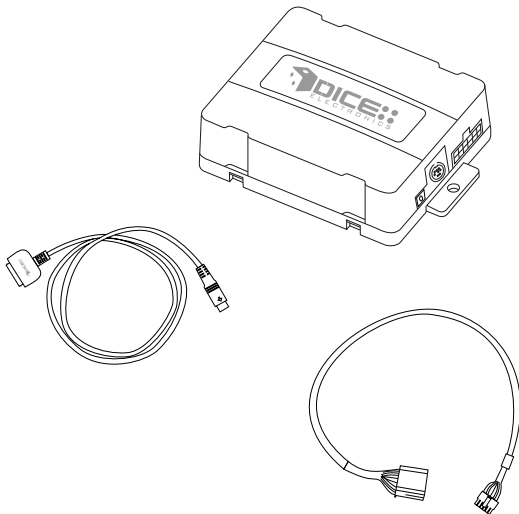


A solid gray rectangular block, likely a placeholder for an image or a decorative element.

Honda R2 integration kit

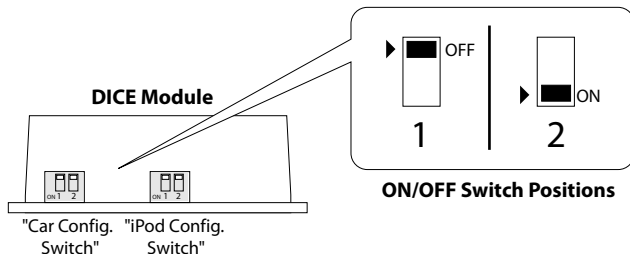
Integration kit contents

- 1 Vehicle specific interface unit
- 1 Vehicle specific harness (R2)
- 1 iPod docking cable
- 1 User manual



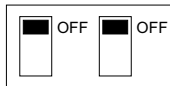
Dip switches

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**



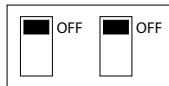
Dip switch settings

Car configuration switches	
Settings	
CD changer (CDC)	
Dip switch 1	Dip switch 2
OFF	OFF
Switches should remain in the default OFF position.	

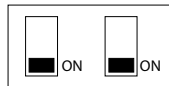


Default

iPod configuration switches			
Settings			
"Locked"		"iPod"	
Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2
OFF	OFF	ON	ON
It is best selected when Text display is supported by the radio. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.		It is best selected when Text display is NOT supported by the radio. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. Content is selected on the iPod.	



Default

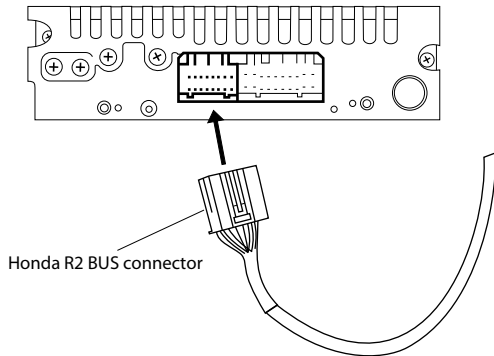


Installation

Installation should only be performed by a qualified professional. Beware of sharp edges to avoid injury and exercise caution when removing trims as they may break. The module should be placed at an accessible location to allow AUX cable to be connected, such as in the glove box, the center console or under the front seat.

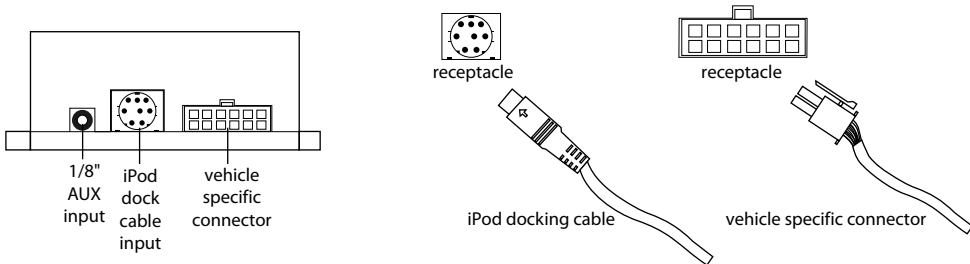
- 1 Pull vehicle into service bay.
- 2 Make sure that the radio code is available before disconnecting battery. Disconnect both battery terminals. These cables must be disconnected during installation to ensure proper initialization of the module when it is connected.
- 3 Pull out the radio by removing surrounding trims and screws to access the CD changer connector. Most trims can be removed by carefully pulling on the piece or using trim removal tools. Trim is usually held in place by snap-in clips. Consult your dealership if additional information is needed on removing the radio.

- 4 You can access the CD changer connector located on the back of the radio. If the factory CD changer is connected, unplug it and plug the vehicle specific cable into the receptacle. The connector should securely lock.



Reconnect all the other harnesses as they were if removed. External CD changer cannot be used together with the integration kit.

- 5** Connect the vehicle specific connector and the iPod docking cable to the DICE module. Apply cable ties to secure the cables.

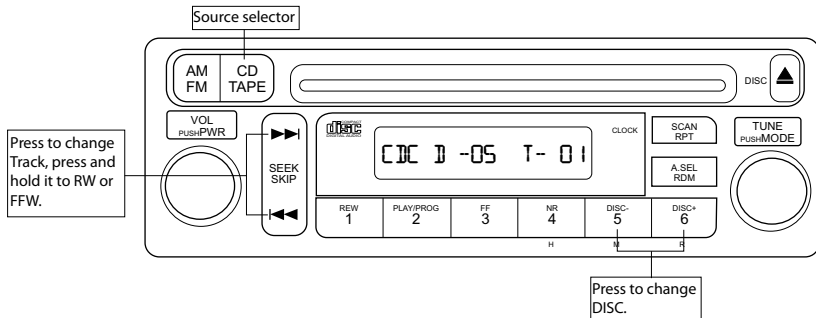


- 6** Verify that all connections have been properly made.
- 7** Reconnect the car's battery. Test the unit before seating the cables and reinstalling the panels/trim.

iPod audio source

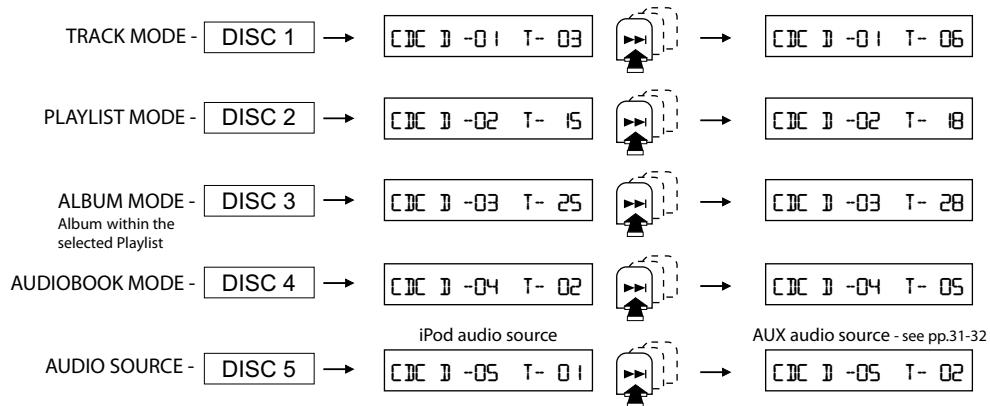
Controls in CDC emulation

Press the CD/CDC button to access the interface and its features. Pressing this button repeatedly will cycle through sources present (internal CD if present, followed by external) in your vehicle. When the iPod audio source is active (DISC 5, Track 1), use the Track button to select next/previous Song.



Operating modes

After connecting the iPod, select the desired browsing mode by selecting the appropriate DISC. To change Track press the Seek button. The illustration below shows operation with default dip switch settings. When dip switches are set to "iPod" mode, only Track and Audio source modes are available.

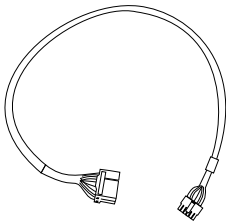
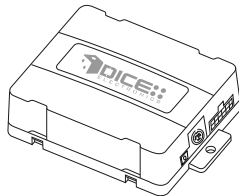
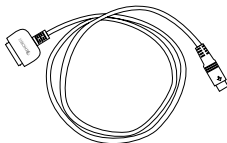


A solid gray rectangular block, likely a placeholder for an image or logo.

Honda R3/R4 integration kit

Integration kit contents

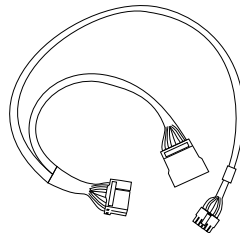
- 1 Vehicle specific interface unit
- 1 Vehicle specific harness (R3 or R4)
- 1 iPod docking cable
- 1 User manual



R3 harness

(regular harness that is used for non-nav Honda/Acura and disables XM (if equipped))

or

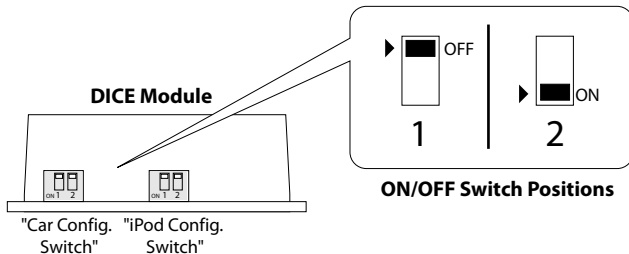


R4 harness

(Y-harness required for navigation-equipped Honda/Acura and/or to retain factory XM)

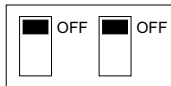
Dip switches

The configuration switches located on the module are used to configure the operation of the interface by the installer. Incorrect dip switch settings may cause the interface not to work properly or not to operate at all. **Disconnect vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**



Dip switch settings

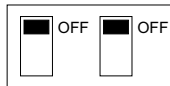
Car configuration switches			
Settings			
CD changer (CDC)		Satellite (SAT)	
Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2
OFF	OFF	ON	ON
Recommended for radios NOT supporting Satellite (XM) or if factory SAT is installed and user wishes to retain it.		Recommended for Satellite (XM) capable radios. This type of emulation provides full Text display on the radio. If Satellite (XM) is equipped it must be disconnected to operate flawlessly in this mode.	



Default



iPod configuration switches			
Settings			
"Locked" (recommended in SAT emulation)		"iPod" (recommended in CDC emulation)	
Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2
OFF	OFF	ON	ON
It is best selected when Text display is supported by the radio. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.		It is best selected when Text display is NOT supported by the radio. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. Content is selected on the iPod.	



Default



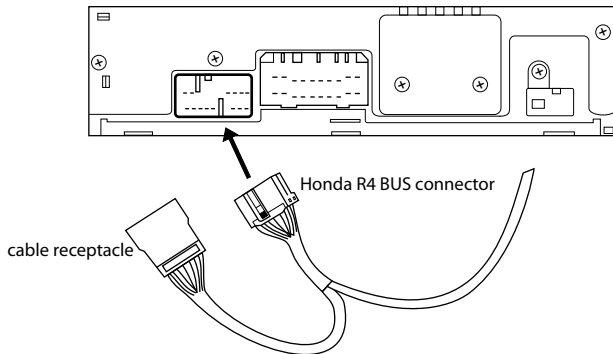
Installation

Installation should only be performed by a qualified professional. Beware of sharp edges to avoid injury and exercise caution when removing trims as they may break. The module should be placed at an accessible location to allow AUX cable to be connected, such as the glove box, consoles or under the front seats.

- 1** Pull vehicle into service bay.
- 2** Make sure that the radio code is available before disconnecting battery. Disconnect both battery terminals. These cables must be disconnected during installation to ensure proper initialization of the DICE module when it is connected.
- 3** Pull out the radio by removing surrounding trims and screws to access the CD changer connector. Most trims can be removed by carefully pulling on the piece or using trim removal tools . Trim is usually held in place by snap-in clips. Consult your dealership if additional information is needed on removing the radio.

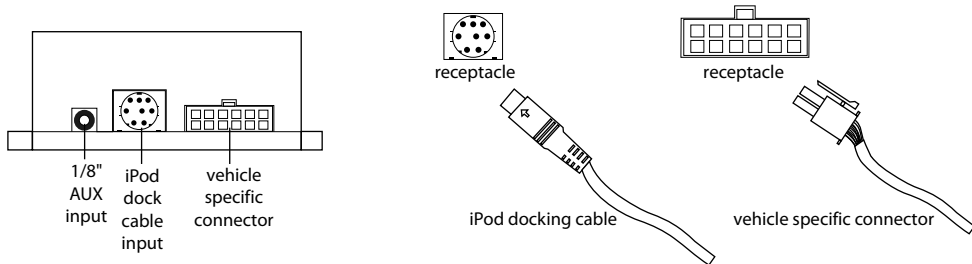
Note that in some vehicles, such as Acura TSX 2004+, you can access the CD changer connector by pulling out the tray located under the radio.

- 4 You can access the CD changer connector located on the back of the radio.* Unplug the factory connection if present and plug the Honda R4 BUS connector into the receptacle. Connect the factory plug to the cable receptacle. **Make sure to unplug the factory XM radio tuner located in the trunk area if SAT emulation is selected!** The connector should securely lock.



* Note that in some vehicles the physical location of the CD changer/SAT connector is on the bottom of the radio.

- 5** Connect the vehicle specific connector and the iPod dock cable to the DICE iPod module. Apply cable ties to secure the cables.

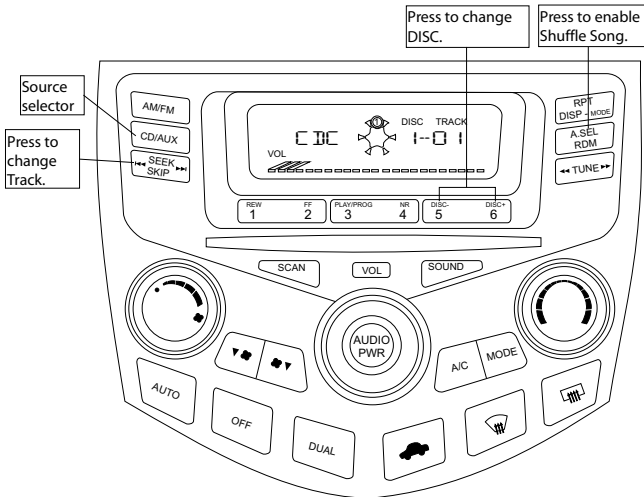


- 6** Verify that all connections have been properly made.
- 7** Reconnect the car's battery. Test the unit before seating the cables and reinstalling the panels/trim.

iPod audio source

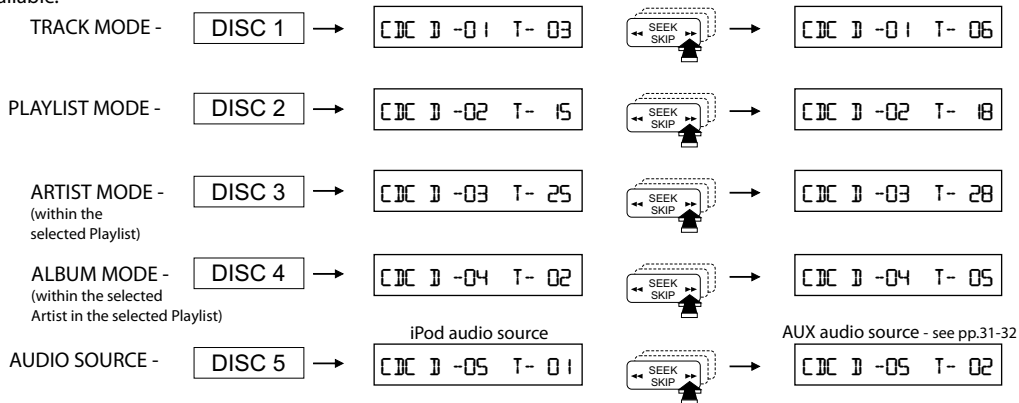
Controls in CDC emulation

Press the CD/CDC button to access the interface and its features. Pressing this button repeatedly will cycle through sources present (internal CD, followed by external) in your vehicle. When the iPod audio source is active (DISC 5, Track1), use the Seek button to select next/previous Song.



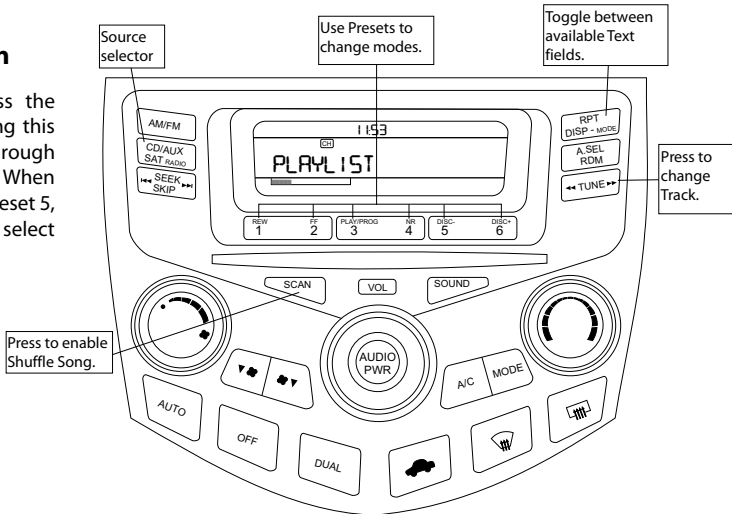
DICE Silverline browsing function - in CDC emulation

The DICE Silverline integration kit features content browsing. After connecting the iPod, select the desired browsing mode by selecting the appropriate DISC. Press the Seek button repeatedly to browse contents; 1 second after releasing the button, your selection is executed. When dip switches are set to "iPod" mode, only Track and Audio source modes are available.



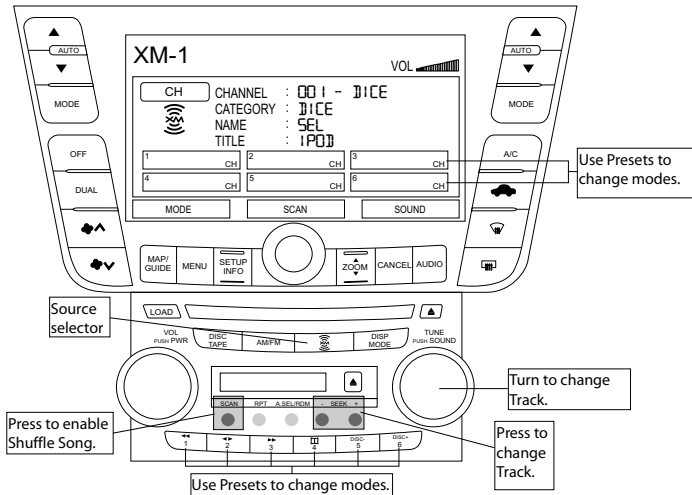
Controls in SAT emulation

Press the SAT button to access the interface and its features. Pressing this button repeatedly will cycle through sources present in your vehicle. When the iPod audio source is active (Preset 5, Channel 1), use the Tune button to select next/previous Song.



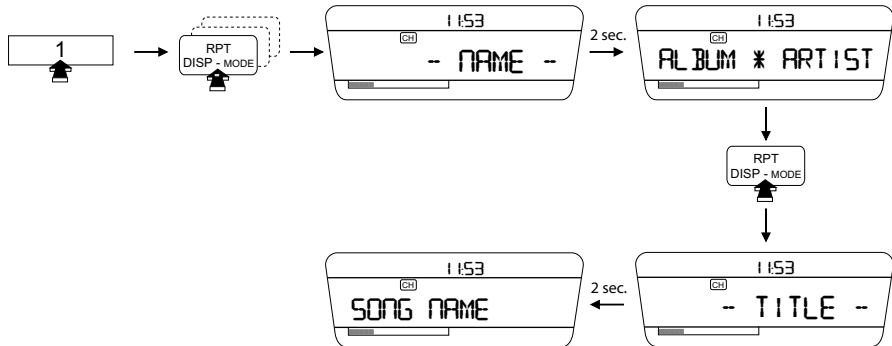
Example: **Honda/Acura radio without Navigation**

Example: Honda/Acura radio with Navigation



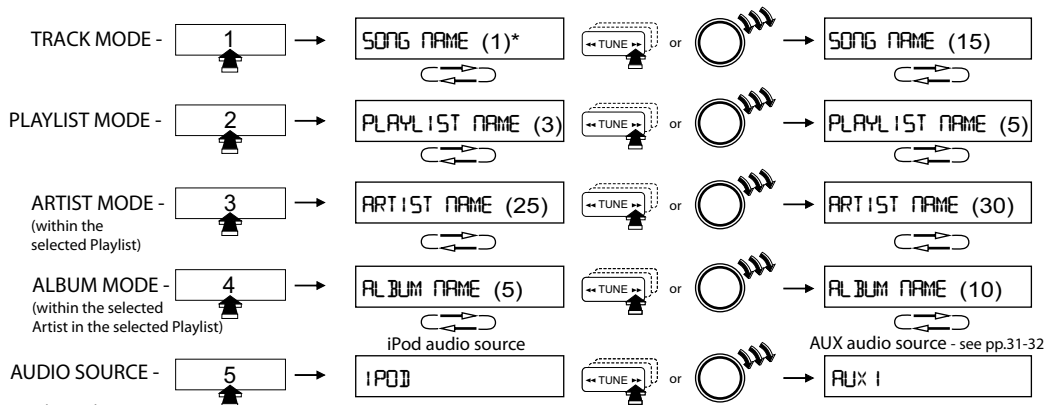
Text display fields - SAT emulation, Non-Navigation radios

Press the DISP-MODE button to cycle through the available Text fields. Note that the display will automatically toggle between the other Text fields upon a channel change. Select the "- NAME -" Text field to see the mode you are in and select the "- TITLE -" Text field to view what is playing. In Preset 1, you will always see the Album and Artist information of your selection in the "- NAME -" Text field and the Song name in the "- TITLE -" Text field. The "- Channel name -" and the "- Category name -" fields are fixed, except in Preset 6.



DICE Silverline browsing function - SAT emulation

The DICE Silverline integration kit features content browsing. After connecting the iPod, select the desired mode by pressing Presets 1-6. To change Track press or turn the Tune button repeatedly; 1 second after releasing the button, your selection is executed. The browsing function below is illustrated in the "- TITLE -" text field.



*Numbers indicate sequence.

Scrolling feature - in SAT emulation, PRESET 6

To set and change scrolling feature go to Preset 6, press the DISP-MODE button repeatedly until you reach the "- TITLE -" text field. Change options by pressing or turning the Tune button. **After setting the desired feature turn off the ignition for at least 50 seconds to engage the new selection.**

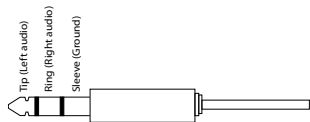
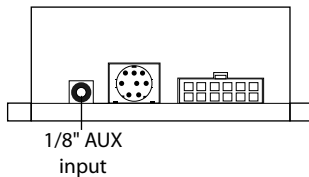


Certain amount of blinking is normal on some radios when the scrolling feature is on.

Auxiliary audio source

Connections

The interface is equipped with a 1/8" AUX jack connection to connect an auxiliary device, such as an MP3 player, DVD player or other audio source. To access the AUX audio source, select DISC 5, Track 2 or Preset 5, Channel 2.



1/8" mini stereo jack, not included

Making the adjustments

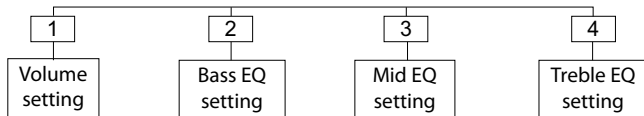
While listening to the auxiliary device, adjust the volume (gain), bass, mid and treble by turning the Tune dial or pressing the Seek button. DISC/Preset 1-4 modes select what adjustment the Tune/Seek buttons perform. See illustration on page 32.

AUX audio source setting

The auxiliary input has settings for **gain**, **bass**, **mid** and **treble** in order to optimize sound.

Volume (Gain) should be adjusted if the audio level from the auxiliary device is too low or to high. If you hear distorted audio while playing the auxiliary device, you need to reduce (-) the gain. If you notice that the audio is too quiet then the gain setting should be increased (+). Default settings are "50" ("68" for gain) and values may be adjusted in increments between 01-99. **Bass**, **Mid** and **Treble** should be adjusted to compensate for the acoustic presets of the radio.

Note: If you are using an AUX device that is using the vehicle's power source and not its own battery, you may have to use a GROUND-LOOP isolator to avoid grounding and engine noise.



Troubleshooting

Problem	Solution
Cannot select CD changer source.	Check DIP switch settings (refer to pp.11,20). With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect.
Cannot select SAT source.	Check DIP switch settings (refer to pp.11,20). With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed. Check vehicles user manual on how steering wheel controls work.
No text display.	Make sure DIP switch settings are correctly set for text display. (Refer to pp.11, 20 for dip switch settings.)
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod. (Refer to AUX settings on p.32)

Troubleshooting

Problem	Solution
No audio from iPod source.	Reset the iPod.
Certain fields are not displayed on the radio.	You may have to toggle between the Text fields with the DISP button.
iPod does not display the DICE logo when connected.	Reset iPod and make sure most recent iPod firmware is installed. Make sure all cables are connected properly. Note that iTouch does not display the logo.
Sound of factory installed satellite radio is bleeding through when the iPod audio source is selected.	The factory XM module must be disconnected. It is usually located in the trunk of the vehicle.

Disclaimer and warranty

Important disclaimer, please read!

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IN NO EVENT SHALL DICE ELECTRONICS' LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, ITS ACCOMPANYING SOFTWARE OR ITS DOCUMENTATION.

Warranty and Support

Products carry a 90 day limited warranty that protects you from defects in material and workmanship of products sold by DICE Electronics, or its authorized agents, distributors and dealers. The warranty period begins the day a product is purchased by the end user. Products found to be defective during the warranty period will either be repaired or replaced by DICE Electronics at no charge unless warranty is void. Unauthorized attempt of repair or alteration of the product in any way immediately voids this warranty. Warranty does not extend to cosmetics or finish. A DICE product specialist must determine that defect is present in the product and issue an RMA. Be sure that all wiring is connected as described in the user manual and all related equipment is functioning properly. DICE Electronics disclaims any liability for other incurred damages resulting from product defects. Any expenses in the removal and reinstallation of products are not covered by this warranty.

If experience any problems or need help, please contact your local dealer or call 888-342-3999, or visit our support site at <http://www.diceelectronics.com/support>.



Honda/Acura compatible integration for iPod
www.diceelectronics.com

Honda/Acura-iPod 2008-02

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