



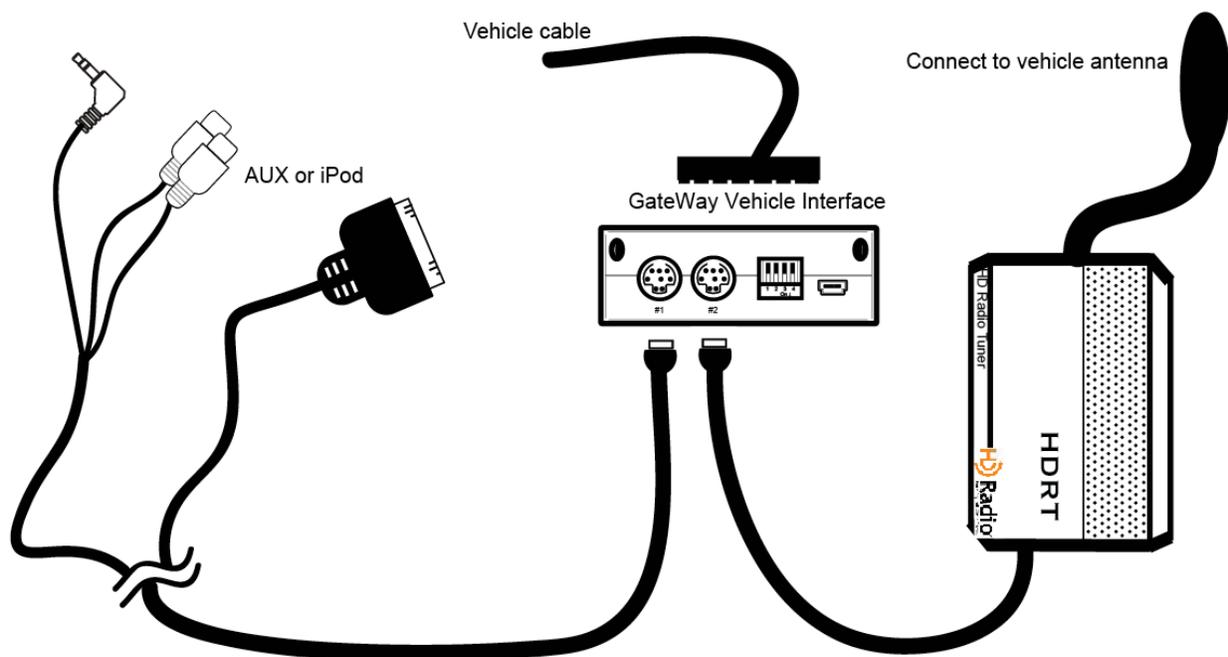
Pacific Accessory Corporation



The HDRT (High Definition Radio Tuner) is an expansion interface for iSimple's GateWay. By using the HDRT you will receive the standard analog stations as well as the available HD stations in your area. HD radio stations vary based on location.

### Connecting the HDRT

- If GateWay interface has already been installed, remove from the vehicle and leave it disconnected for no less than 5 minutes.
- The original radio tuner is no longer needed. Disconnect the vehicles antenna from the original radio and connect to the HDRT. A vehicle antenna adapter may be needed in order to change the vehicle antenna connection into the standard Motorola connection type. If you wish to retain the original radio tuner in conjunction with the HDRT you will need a BAWM200 universal windshield mount antenna. *DO NOT* split the vehicle antenna between the HDRT and the original radio tuner. This will degrade the radio signal for both the HD tuner and the original radio tuner resulting in poor radio reception. Instead connect the vehicle's antenna into the HDRT. Connect the BAWM200 into the factory radio's antenna port.



## Vehicle Connections:

Connect the 2 devices (HD Radio and iPod or AUX) to GateWay vehicle specific interface. The HDRT will connect in place of the AUX or iPod cable. The two selected device cables must be connected to GateWay vehicle specific interface before connecting to the vehicle. Below are interface specific installation notes and operation tips. Make sure to read all notes and tips before connecting to the vehicle. Once connected to the vehicle wait 60 seconds before using the interface. This time is needed for initialization. |

### ISFD571

The HDRT should be connected to Device 2. Switch 2 should be in the down (On) position.

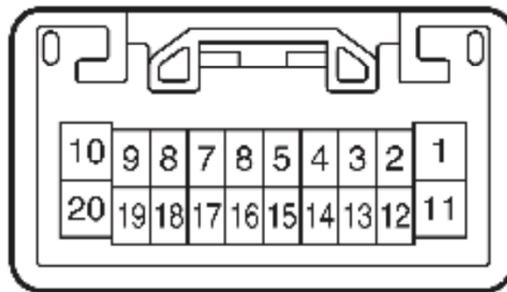
- Press AUX or SAT button until *HD-FM1*, *HD-FM2*, *HD-FM3* or *HD-AM* is displayed.
- SEEK ► will seek up to the next available station based on signal strength.
- ◀ SEEK will seek down to the next available station based on signal strength.
- Pressing and holding SEEK ► for more than 2 seconds will change from *MANUAL* to *AUTO* or from *AUTO* to *MANUAL*. The radios display will confirm the selected mode.
- Storing stations - Tune to the desired station. Press a PRESET 1-6 and hold for approximately 3 seconds until is displayed. To recall a preset station press the desired PRESET button. HD and analog stations can be stored. HD stations are identified by *HD1*, *HD2* or *HD-3* following the station frequency.
- TEXT/SCAN will change the display to show artist or song title if available.

### ISTY571

- The HDRT should be connected to Device 2.
- Press SAT or AM/SAT until is *HD RADIO* displayed. Press Preset 3 to select the source. By pressing the AM/SAT or SAT button after has been selected you will switch between *HD-FM1*, *HD-FM2*, *HD-FM3* or *HD-AM*.
- Tune up - turn the rotary TUNE KNOB to the right to move up one frequency at a time.
- Tune down - turn the rotary TUNE KNOB to the left to move down one frequency at a time.

- SEEK ► will seek up to the next available station based on signal strength.
- ◀ SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press Preset 1-6 and hold for approximately 3 seconds until PR SAVED is displayed. To recall a preset station press the desired Preset button. HD and analog stations can be stored. HD Radio stations are indicated by HD1, HD2 or HD3 following the station frequency.
- TEXT will change the display to show artist or song title if available.

Note for vehicles with a diversity antenna: In the large 20-pin main power and audio connector pin 13 is the amplified antenna turn on wire. This wire must be cut from the original connector and attached to pin 11, the radio accessory +12v wire. During SAT emulation this circuit is not energized by the radio. It must be energized for HD radio signal. The circuits can be verified with a volt meter.



Viewed from the wire side of the original radio connector

### ISGM575

- The HDRT should be connected to Device 2.
- Press the BAND button until XM is displayed. Turn the rotary TUNE KNOB until HD RADIO is displayed. Wait 4 seconds and the source will be automatically be selected. Pressing the BAND button after HD Radio has been selected will switch between HD-FM and HD-AM.
- Tune up - turn the rotary TUNE KNOB to the right to move up one frequency at a time.
- Tune down - turn the rotary TUNE KNOB to the left to move down one frequency at a time.
- SEEK ► will seek up to the next available station based on signal strength.
- ◀ SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press Preset 1-6 and hold for approximately 3 seconds until a beep is heard. To recall a preset station press

the desired Preset button. HD and analog stations can be stored. HD stations are indicated by *HD1*, *HD2* or *HD3* following the station frequency.

- DISP will change the display to show artist or song title if available.

#### ISGM571 and ISGM572

- The HDRT should be connected to Device2.
- Press the BAND button until is displayed. Turn the rotary TUNE KNOB until is displayed. Press the FWD>> button to select HD Radio as the source. If you are currently in the XM mode you will need to press ► ISEEK instead of FWD>>. To change between *HD-FM* and *HD-AM* press the CAT button until *HD1*, *HD2* or *HD3* is displayed. Press a button below the displayed text to select that band.
- Tune up - Turn the rotary TUNE KNOB to the right to move up one frequency at a time.
- Tune down - Turn the rotary TUNE KNOB to the left to move down one frequency at a time.
- ► ISEEK will seek up to the next available station based on signal strength.
- ◀ SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press FWD>> and use the TUNE knob to select 1-18. PRE 1-18 will be displayed. Press I◀ SEEK to store the station into memory. To recall a preset station press the FWD>> button and use the TUNE knob to select a preset 1-18. Press the ► ISEEK button to select the displayed preset. HD and analog stations can be stored. HD stations are indicated by *HD1*, *HD2* or *HD3* following the station frequency.
- i - will change the display to show artist or song title if available.

#### ISHD571

- The HDRT should be connected to Device 2.
- Press the XM button and then turn the TUNE KNOB until *HD-FM* is displayed. Press PRESET 6 to select the source. By pressing the XM button after *HD-FM* has been selected you will switch between *HD-FM* or *HD-AM*.
- Tune up - turn the rotary TUNE KNOB clockwise to move up one frequency at a time.
- Tune down - turn the rotary TUNE KNOB counter-clockwise to move down one frequency at a time.

- SEEK > will seek up to the next available station based on signal strength.
- < SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press PRESET 1-6 and hold for approximately 3 seconds until PR SAVED is displayed. To recall a preset station press the desired Preset button. HD and analog stations can be stored. HD Radio stations are identified by HD1 or HD2 following the station frequency.
- DISP will change the display to show artist or song title if available.

### ISHY571 & ISHY572

The HDRT should be connected to Device 2.

- Press the XM button until HD-FM1, HD-FM2, HD-FM3 or HD-AM is displayed.
- Tune up - turn the rotary TUNE KNOB clockwise to move up one frequency at a time.
- Tune down - turn the rotary TUNE KNOB counter-clockwise to move down one frequency at a time.
- SEEK > will seek up to the next available station based on signal strength.
- < SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press a PRESET 1-6 and hold for approximately 3 seconds until PRSAVED is displayed. To recall a preset station press the desired PRESET button. HD and analog stations can be stored. HD stations are identified by HD1 or HD2 following the station frequency.
- INFO will change the display to show artist or song title if available.

### ISNI571 & ISNI572

Radios Equipped with a RADIO or FM/AM/SAT button:

- The HDRT should be connected to Device 2.
- Press the RADIO or FM/AM/SAT button until is SAT displayed. Press the SEEK > button until HD-FM or HD-AM is displayed. Press the < TUNE button to select HD Radio as the source.
- Tune up - Press the TUNE > button to move up one frequency at a time.
- Tune down - Press the < TUNE button to move up one frequency at a time.

- SEEK > will seek up to the next available station based on signal strength
- < SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press the SCAN button to enter the Preset Menu. Use the SEEK > or < SEEK buttons to select a Preset location. Press TUNE > to store the station into memory. The radio will display PRSAVED. To recall a preset station press the SCAN button to enter the Preset Menu. Use the SEEK > or < SEEK buttons to select a Preset. Press the < TUNE button to select the displayed preset. HD and analog stations can be stored. HD stations are identified by HD1 or HD2 following the station frequency.
- DISP will change the display to show artist or song title if available.

#### Radios Equipped with a SAT button:

- The HDRT should be connected to Device 2.
- Press the FM button and then the SAT button. Press the SEEK > button until HD-FM or HD-AM is displayed. Press the < TUNE button to select HD Radio as the source.
- Tune up - Press the TUNE > button to move up one frequency at a time.
- Tune down - Press the < TUNE button to move up one frequency at a time.
- SEEK > will seek up to the next available station based on signal strength
- < SEEK will seek down to the next available station based on signal strength.
- Storing stations - Tune to the desired station. Press the SCAN button to enter the Preset Menu. Use the SEEK > or < SEEK buttons to select a Preset location. Press TUNE > to store the station into memory. The radio will display PRSAVED. To recall a preset station press the SCAN button to enter the Preset Menu. Use the SEEK > or < SEEK buttons to select a Preset. Press the < TUNE button to select the displayed preset. HD and analog stations can be stored. HD stations are identified by HD1 or HD2 following the station frequency.
- DISP will change the display to show artist or song title if available.

#### ISVW571 & ISVW572 (Touareg Non-Nav ONLY):

- The HDRT should be connected to Device 2.
- Press the SAT button. Press the CAT/FLDR button until HD-FM or HD-AM is displayed. Wait 3 seconds and the radio will select HD Radio as the source.
- Tune up - Turn the TUNE KNOB clockwise to move up one frequency at a time.

- Tune down - Turn the TUNE KNOB counter-clockwise to move down one frequency at a time.
- SEEK▲ will seek up to the next available station based on signal strength.
- SEEK▼ will seek down to the next available station based on signal strength.

#### Storing & Recalling Presets (Panasonic Radios):

- Tune to the desired station. Press the TUNE KNOB to enter the Preset Menu. Use the CAT/FLDR ▲ or CAT/FLDR ▼ buttons to select a Preset location. Press the TUNE KNOB to store the station into memory. The radio will display PRSAVED. To recall a preset station press the TUNE KNOB to enter the Preset Menu. Use the CAT/FLDR ▲ or CAT/FLDR ▼ buttons to select a Preset. Wait 3 seconds and the radio will select the displayed preset. HD and analog stations can be stored. HD stations are indicated by HD1 or HD2 following the station frequency.

#### Storing & Recalling Presets (Delphi Radios):

- Tune to the desired station. Press and hold a PRESET 1-6 and hold for approximately 3 seconds until the radio displays PRSAVED. To recall a preset station, press the desired PRESET button. HD and analog stations can be stored. HD stations are identified by HD1 or HD2 following the station frequency.

DISCLAIMER: Under no circumstances shall the manufacturer or the distributors of the HDRT be held liable for consequential damages sustained in connection with the HDRT. The manufacturer and its distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the HDRT other than its replacement.

9/12/2008

## **iSimple Media Gateway** **PXAMG DOs of Installation**

### **DO: Thoroughly Read the Owner's Manual**

*The Media Gateway is simple to use when you have a clear understanding of how the interface should operate.*

### **DO: Turn All Dip-Switches OFF unless otherwise instructed by the owners manual**

*As of 9/01/08 there are only 3 types of vehicles that require dipswitch settings:*

- *Ford Lincoln/Mercury (only needed for AUX or troubleshooting; see owners manual)*
- *Volkswagen (see owners manual)*
- *Nissan (see owners manual)*

### **DO: Understand that the Media Gateway Imitates the Factory Satellite Radio Tuner**

*Access to all Media Gateway functions are through the "Sat Mode" of the respective factory radio*

### **DO: Use Radio Function Quick Reference Cards**

*Inside each kit are Radio Function Quick Reference Cards that illustrate what buttons perform specific functions on the various radios. We recommend using these cards when demonstrating the product with the customer after installation.*

### **DO: Wait One Minute if "DEV INIT" is Displayed on the Radio**

*Wait one minute and then cycle ignition off then back on. Now enter the Satellite radio mode to access the Media Gateway.*

### **DO: Connect Cables to the Correct Ports**

*Connect the iPod docking cable in the port on the left (furthest away from the dipswitches) and the HDRT cable or Aux audio input cable into the port on the right (closest to the dipswitches)*

### **DO: Reset iPod if Text on Radio is not in Sync with Music**

*If the Text displayed on the screen does not match what is playing from the iPod, or there are intermittent control issues, please reboot the iPod. Do this by carefully disconnecting the iPod from the docking cable, press and hold the "Menu" button, and the button in the center of the "Click wheel" simultaneously for 10 seconds.*

*NOTE: This is similar to rebooting your computer and it resolves internal communication issues within the iPod. No music will be lost by doing this.*

**DO: Reset the Media Gateway if Factory Radio Does Not Enter Satellite Mode**

*If the radio will not enter into Satellite radio mode, the Media Gateway is not being recognized by the factory radio. Disconnect the Media Gateway from the vehicle and let it sit without power for 5 minutes. Reinstall the Gateway interface then access the Satellite Radio mode to use the Media Gateway*

**DO: Switch Control & Display of the iPod from the Radio to the iPod Click-Wheel and Display**

*Select “Aux 1” mode to control the iPod manually using the click wheel and to view music information on iPod display. (iPod must be connected using Docking cable to charge the iPod’s battery. The docking cable will also pass iPod audio through the gateway when using Aux mode.)*

**DO: Change the Display Mode on Honda, Acura and Nissan**

*If the media gateway menu does not seem to be working in Honda, Acura or Nissan automobiles, press the “DISP” button to change the display mode to “Channel name”. This will allow the radio to display proper song information and library browsing commands.*

**HD Radio Tuner (HDRT) Installation with Media Gateway**

**DO: Connect HDRT module to Media Gateway interface BEFORE connecting the Media Gateway to the vehicle**

*If the HD Radio tuner is connected, but does not show up as an available source using the Media Gateway, disconnect the interface from the vehicle. Keep Media Gateway disconnected from power for 5 minutes. Ensure the HDRT cable is connected securely at both the HDRT module, and Media Gateway interface. Connect the Media Gateway back to the vehicle harness.*

**DO: Make a Solid Connection**

*When plugging the HDRT cable and/or iPod docking cable into the Media Gateway interface, be sure that the connector(s) is/are fully inserted.*

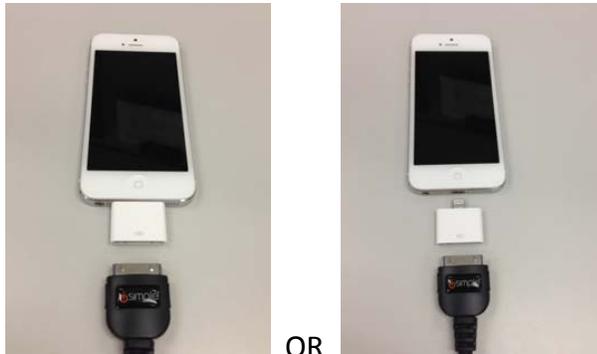
**DO: Enjoy Our Products!**

**Using a Lightning to 30-pin adaptor with the iSimple GateWay.**

While in use, if the lightning to 30-pin adaptor becomes disconnected from the iPhone 5, and is still connected to the GateWay cable, text and control from the radio will not operate correctly when the lightning adaptor is simply plugged back into the iPhone.



To regain proper control and operation, you must disconnect the (Lightning to 30-pin) adaptor from the GateWay cable.



When reconnecting; the adaptor and phone can be connected back in any order.

When the Lightning to 30-pin adaptor is reconnected to the GateWay cable, the GateWay can recognize the new device connected, and full control will be accessible from the radio, with text from the iPhone displayed on the radio.



**\*\* MODULE MUST BE DISCONNECTED FROM THE VEHICLE BEFORE PERFORMING THE FOLLOWING STEPS \*\***

1. With a #1 Philip head screwdriver remove the two screws on the bottom of the module and remove the circuit board from the housing.
2. Locate the 24 Pin connector that plugs into the vehicle specific harness, next to it you will see a bank of nine capacitors.
3. Within the group of nine capacitors there will be one that is larger than the rest and have a "+" symbol on the top of it. (see Fig. 1)
4. Flip the module over and find the two leads from that capacitor. (see Fig. 2)

Fig. 1

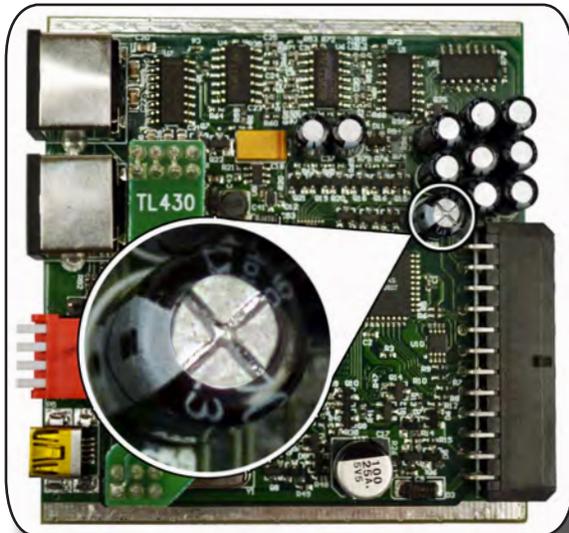
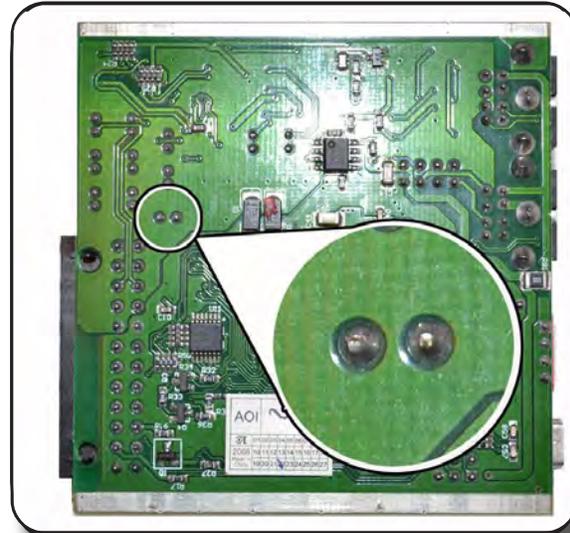


Fig. 2



**\*\* MODULE MUST BE DISCONNECTED FROM THE VEHICLE BEFORE PERFORMING THE FOLLOWING STEPS \*\***

5. Take your screw driver or any other metal object and touch these two leads together temporarily to drain the residual voltage from this capacitor.
6. Place module back into the housing and secure the housing back together using the screws that were removed in Step #1.
7. Install module back into vehicle ensuring that the iPod or other accessories are connected to the module prior to plugging the module into the vehicle.

## Gateway Firmware Updater

The Gateway Firmware Updater will download the most recent firmware directly from iSimple. Ensuring you have the most up-to-date firmware with the most advanced features! A user manual is provided.

- Download and install the latest version of the Gateway Update Software.
- The program will walk you through step-by-step to upgrade your Gateway (internet connection is required for update)
- **NOTE: once installed the updater will download the most recent FIRMWARE from our servers**
- **NOTE: The Firmware version may be different from the Gateway Updater version. You will see the most recent Firmware versions in the Gateway Updater Program once a connection to our server is made.**