iSimple

GET CONNECTED

**CarConnect
Bluetooth Interface
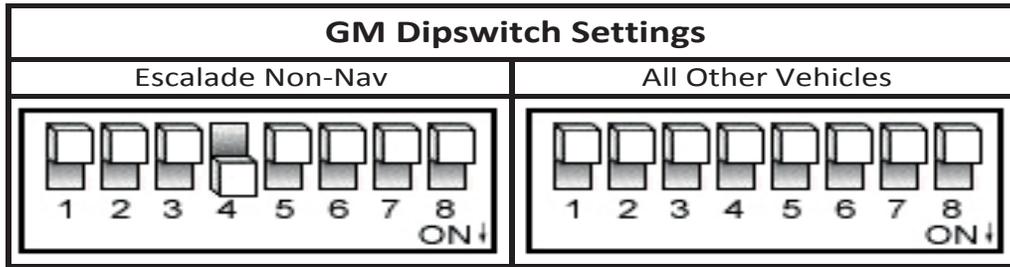Installation Manual**

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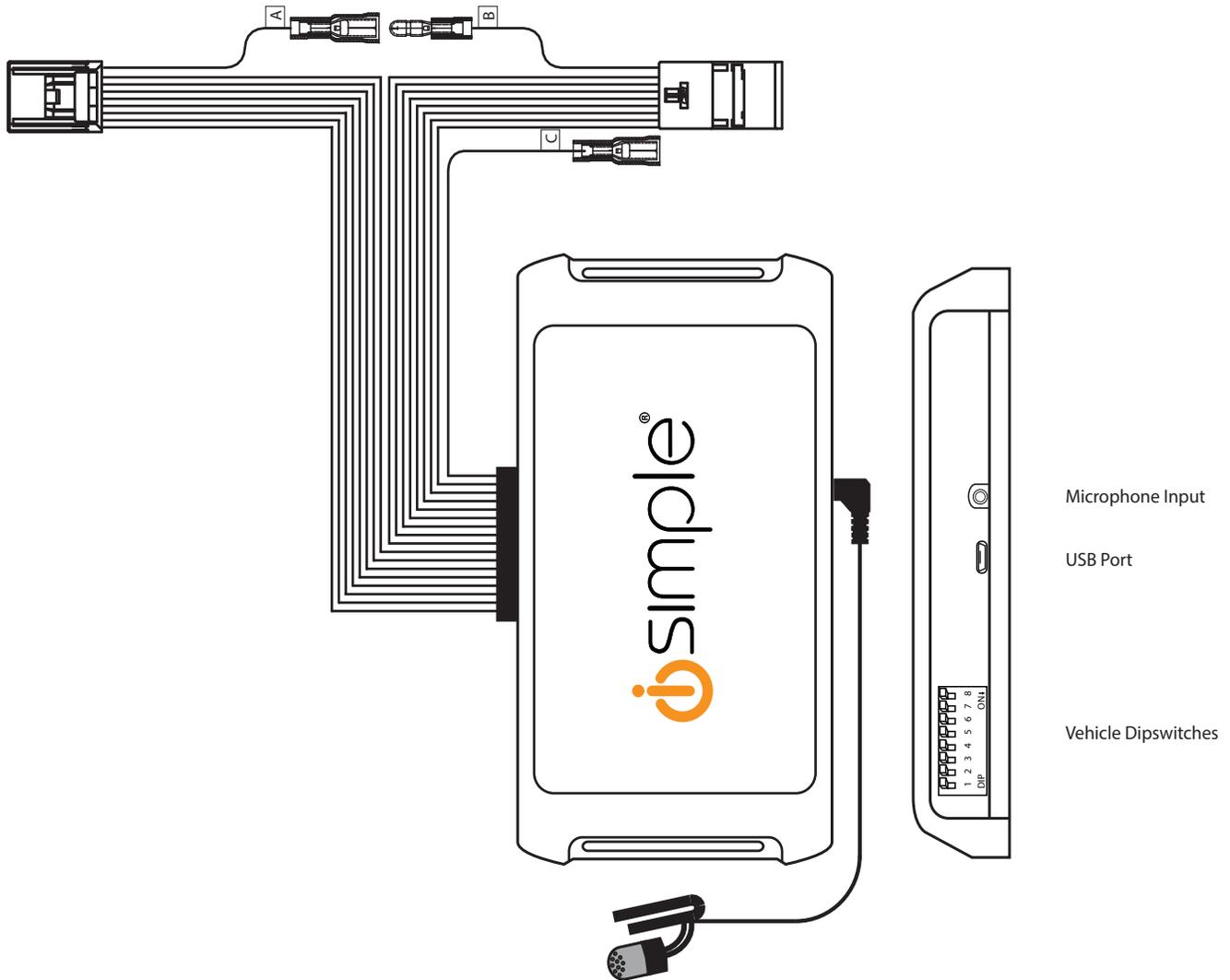
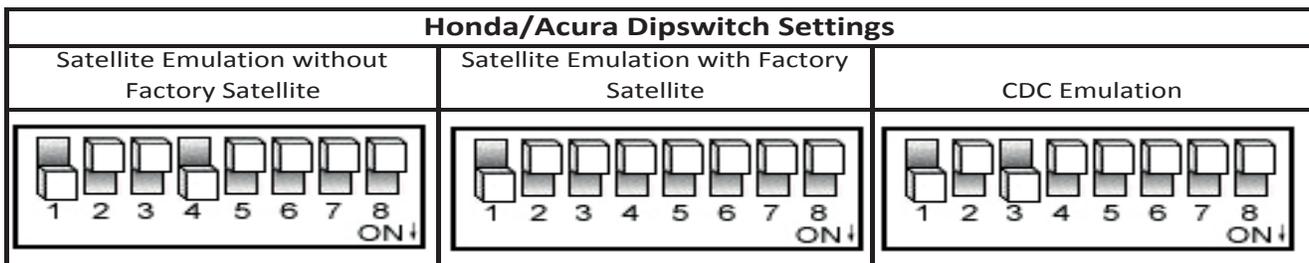| GM Dipswitch Settings	
Escalade Non-Nav	All Other Vehicles

1. Set the dipswitches on the CarConnect interface as indicated above.

2. Carefully remove the trim panels & bolts that secure the radio into the dash cavity. Carefully pull the radio from the dash of the vehicle. This will provide access to the factory radio connectors where you will connect the CarConnect harness.

3. Select the location where the microphone will be mounted. This location will vary based on the vehicle and the customer's preference. Once mounted, carefully run the microphone cable behind the radio to the CarConnect. When running this cable through the dash be sure to secure it away from moving parts or sharp metal edges that may damage the cable. Insert the 3.5mm microphone jack into the port on the CarConnect.

4. Disconnect the factory 16-Pin harness and 14-Pin harness from the back of the radio.

5. Plug in the male connectors on the PGHGM1 harness into the 16-pin port and 14-pin port on the back of the radio. Next, connect the factory 16-pin and 14-pin connectors into the female connectors on the PGHGM1 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHGM1 harness into the CarConnect Interface.

6. To complete the installation secure the CarConnect into the cavity in the dash behind the radio. Be sure that the cables and interface modules are not near moving parts or sharp metal edges as they may damage the cables. To prevent rattling noises inside the dash, use zip ties, tape, or other fasteners to mount the interface securely.

7. With all connections made, insert the key into the ignition, and turn the vehicle on. Check for proper operation of the CarConnect before reinstalling the factory dash panels (see pg. 7 for test and verification section).

Honda/Acura Vehicles

Honda/Acura Dipswitch Settings		
Satellite Emulation without Factory Satellite	Satellite Emulation with Factory Satellite	CDC Emulation

1. Set the dipswitches on the CarConnect interface as indicated above.

2. Carefully remove the trim panels & bolts that secure the radio into the dash cavity. Carefully pull the radio from the dash of the vehicle. This will provide access to the factory radio connectors where you will connect the CarConnect harness.

3. Select the location where the microphone will be mounted. This location will vary based on the vehicle and the customer's preference. Once mounted, carefully run the microphone cable behind the radio to the CarConnect. When running this cable through the dash be sure to secure it away from moving parts or sharp metal edges that may damage the cable. Insert the 3.5mm microphone jack into the port on the CarConnect.

Honda/Acura Vehicles (cont.)

4. Disconnect the factory 14-Pin harness (if present) from the back of the radio.

5. Prepare the CarConnect harness for installation. Depending on what factory peripherals you have in your vehicle, you may need to make changes to the red wire with bullet connectors on them.

   A. **Vehicles equipped with factory Satellite Radio + other Peripherals (Rear Seat Entertainment, CD Changer, etc...):** Connect the supplied PGHSATR wire to the bullet connector labeled "C" coming off of the 24-pin CarConnect connector. (Fig.1) Run this wire to the factory satellite tuner and connect as outlined on page 6. Factory satellite tuner locations will differ by vehicle but can ususaly be found in the rear of the vehicle.

   B. **Vehicles equipped with only factory Satellite Radio:** Disconnect the bullet connectors labeled A & B on the PGHHD1R harness. Connect the bullet connector labeled "B" on the vehicle side of the PGHHD1R harness to the bullet connector labeled "C" coming off of the 24-pin CarConnect harness (Fig. 2).

   C. **Vehicles equipped with no factory peripherals:** Leave all bullet connectors as they are out of the box (A connected to B) No modifications are necessary. (Fig. 3)

5. Plug in the male connector on the PGHHD1R harness into the 14-pin port on the back of the radio. Next, connect the factory 14-pin connector (if present) into the female connector on the PGHHD1R harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHHD1R harness into the CarConnect Interface.

6. To complete the installation secure the CarConnect into the cavity in the dash behind the radio. Be sure that the cables and interface modules are not near moving parts or sharp metal edges as they may damage the cables. To prevent rattling noises inside the dash, use zip ties, tape, or other fasteners to mount the interface securely.

7. With all connections made, insert the key into the ignition, and turn the vehicle on. Check for proper operation of the CarConnect before reinstalling the factory dash panels (see pg. 7 for test and verification section).
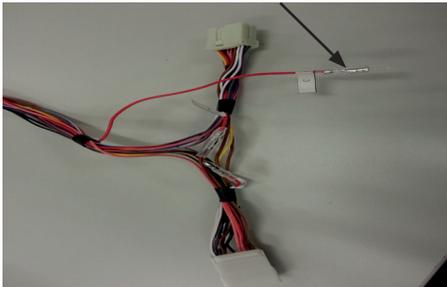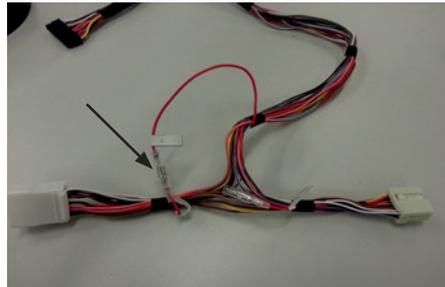
Connect PGHSATR Wire to C Here
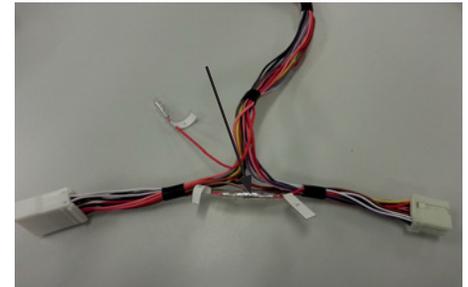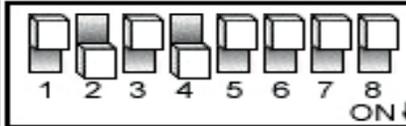
Connect B to C Here

Leave A connected to B Here

Fig. 1

Fig. 2

Fig. 3

Toyota/Lexus/Scion Vehicles

Toyota/Lexus/Scion Dipswitch Settings		
Satellite Emulation without Factory Satellite	Satellite Emulation with Factory Satellite	CDC Emulation

Toyota/Lexus/Scion Vehicles (Cont.)

1. Set the dipswitches on the CarConnect interface as indicated on Page 4.

2. Carefully remove the trim panels & bolts that secure the radio into the dash cavity. Carefully pull the radio from the dash of the vehicle. This will provide access to the factory radio connectors where you will connect the CarConnect harness.

3. Disconnect the factory 12-Pin harness (if present) from the back of the radio.

4. Select the location where the microphone will be mounted. This location will vary based on the vehicle and the customer's preference. Once mounted, carefully run the microphone cable behind the radio to the CarConnect. When running this cable through the dash be sure to secure it away from moving parts or sharp metal edges that may damage the cable. Insert the 3.5mm microphone jack into the port on the CarConnect.

5. Prepare the CarConnect harness for installation. Depending on what factory peripherals you have in your vehicle, you may need to make changes to the red wire with bullet connectors on them.

   A. **Vehicles equipped with factory Satellite Radio + other Peripherals (Rear Seat Entertainment, CD Changer, etc...):** Connect the supplied PGHSATR wire to the bullet connector labeled "C" coming off of the 24-pin CarConnect connector. (Fig.1) Run this wire to the factory satellite tuner and connect as outlined on page 6. Factory satellite tuner locations will differ by vehicle but can ususally be found in the rear of the vehicle.

   B. **Vehicles equipped with only factory Satellite Radio:** Disconnect the bullett connectors labeled A & B on the PGHHD1R harness. Connect the bullett connector labeled "B" on the vehicle side of the PGHHD1R harness to the bullett connector labeled "C" coming off of the 24-pin CarConnect harness (Fig. 2).

   C. **Vehicles equipped with no factory peripherals:** Leave all bullett connectors as they are out of the box (A connected to B). No modifications are necessary. (Fig. 3)

5. Plug in the male connector on the PGHTY1R harness into the 12-pin port on the back of the radio. Next, connect the factory 12-pin connector (if present) into the female connector on the PGHTY1R harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHTY1R harness into the CarConnect Interface.

6. To complete the installation secure the CarConnect into the cavity in the dash behind the radio. Be sure that the cables and interface modules are not near moving parts or sharp metal edges as they may damage the cables. To prevent rattling noises inside the dash, use zip ties, tape, or other fasteners to mount the interface securely.

7. With all connections made, insert the key into the ignition, and turn the vehicle on. Check for proper operation of the CarConnect before reinstalling the factory dash panels (see pg. 7 for test and verification section).
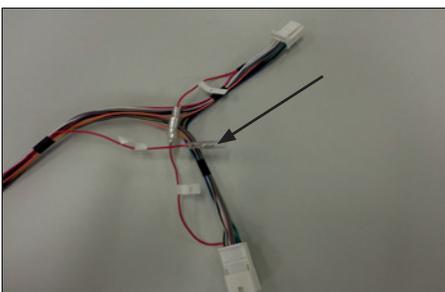
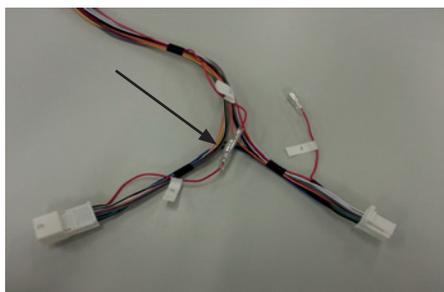Connect PGHSATR Wire to C Here   Connect B to C Here   Leave A connected to B Here
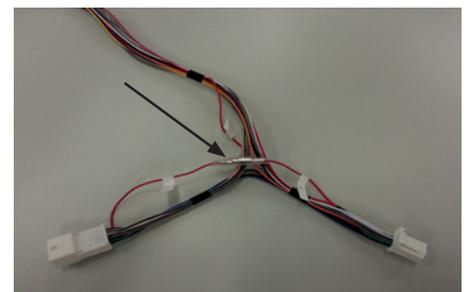
Fig. 1   Fig. 2   Fig. 3

Connecting the Satellite Radio Tuner Accessory Wire

PLEASE NOTE: This only needs to be done in vehicles which have multiple factory peripherals such as Satellite Radio, Rear Seat Entertainment & a CD Changer

In some vehicles you will need to access the factory satellite radio tuner and connect the supplied PGHSATR wire to the tuner side of the accessory input wire. The procedure outlined below is specifically for a Honda Odyssey and will vary by vehicle.

Remove the bottom rear panel

Remove the spare tire cover and tie down holder

Remove the spare tire
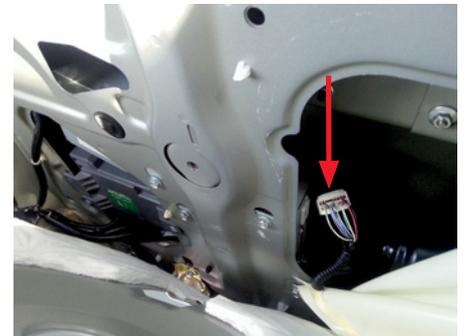

It should now look like this. Pull on the panel from the back edge to release it.
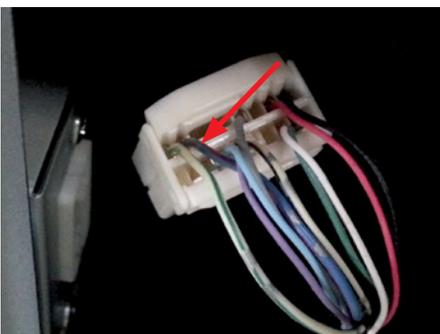

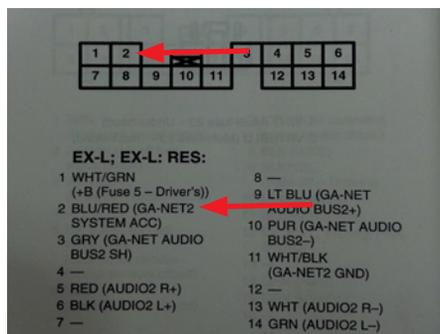The satellite tuner connector is behind the plastic

Pull back the plastic and access the satellite tuner plug

The wire you need to cut and connect to is Blue/Red in pin 2

Make the connection as shown here using the supplied crimp connector. Insulate and secure the other side of the wire.
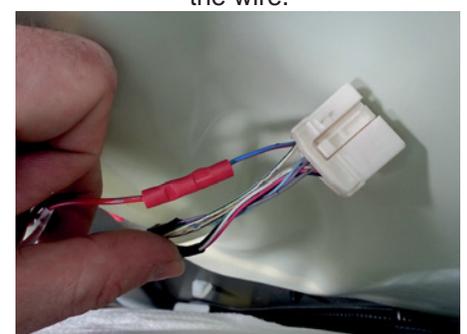
Testing & Verification

1. Turn the ignition on.
2. Switch the radio to the XM or CD Changer source (depending on how you have the CarConnect configured).
3. Pair your phone with the CarConnect. The CarConnect should be discoverable after the install. If it is not, follow the procedure listed below for your mode of operation to make the CarConnect discoverable.
   - **Satellite Radio Operation:** Press Preset 5 five times to make the CarConnect discoverable.
   - **CD Changer Operation:** Press the Repeat or Scan button five times to make the CarConnect discoverable.
4. Verify that the interface streams audio and passes hands free audio.
5. Check the controls based on your protocol specific instructions.

iSimple
GET CONNECTED

**CarConnect
Bluetooth Interface
Toyota/Lexus/Scion
Owner's Manual**

Introduction

Thank you for purchasing the iSimple Car Connect. The Car Connect is designed to provide endless hours of listening pleasure from your factory radio. The CarConnect allows connectivity for Bluetooth Devices, enabling full control of these devices from the factory installed radio. It also retains original system features such as CD Changer, Satellite Radio and Rear Seat Entertainment (RSE) (if equipped).

Features

Hands-Free Calling - Using the vehicle's radio or steering wheel mounted radio controls (if equipped) users can answer calls, end calls or switch to privacy mode on a paired mobile device.

Caller ID - When used in Satellite emulation mode**,** the incoming/outgoing phone number will be shown on the radio's display. iOS devices will also show the name of the caller provided the number is assigned to a contact.

Streaming Music - If a paired mobile device is already playing music upon first starting your vehicle, and the radio is in the Bluetooth mode, the CarConnect will automatically enter streaming music mode and begin transmitting the audio signal through your vehicle's radio. Music streaming may also be initiated from the radio. Using the vehicle's radio buttons or steering wheel mounted radio controls (if equipped) operators can change tracks, pause and play the music on the paired mobile device. The track name and artist will be displayed on the radios display.

Voice-Recognition (Siri, S-Voice, Google Voice, etc) - Using the radios buttons, users can remotely launch their preferred Voice Recognition application on their mobile device. The extent of the Voice Recognition capabilities available depend upon the specific application being used on the mobile device. The Voice Recognition function is also available while actively streaming music.

Important Notes

1. Not all radios will support mode switching when a call is made/received. These radios will have to be manually switched to the CarConnect mode when a call is made/received.
2. If you are listening to any source other than the CarConnect when a call is made/received, once the call is ended, you will be left in CarConnect mode. You must manually switch back to the original source.
3. If there are quotation marks in any of the song titles, it will not display correctly on the radio
4. If you are using satellite emulation mode and also have factory satellite, when switching from CarConnect to Satellite mode, it may take up to one minute for the channels to load.
5. You can adjust the output gain of the CarConnect to better match your factory sources. Follow the procedure outlined under your mode of emulation to adjust the gain on your CarConnect.
6. **Apple users:** avoid using an apostrophe in the name of the iPhone.
7. **Android users:** avoid using a device name with over 12 characters.

Satellite Radio Operation

Selecting Bluetooth as a Source
Press the AM-SAT or SAT button to enter the Satellite Radio source. If the vehicle is equipped with Satellite Radio, press the button until SAT3 is displayed. This is where the CarConnect source is located. SAT1 & SAT2 will still function as normal with the vehicles Satellite Radio. If the vehicle is not equipped with Satellite Radio, SAT1, SAT2 & SAT3 is where the CarConnect source is located.

**PLEASE NOTE: If your factory SWC's track buttons change presets, you will need to press and hold them to initiate any CarConnect function

Pairing/Connecting Your Phone

When the CarConnect has been installed for the first time, or whenever you clear all paired devices, it will be automatically discoverable. Open up your phone's Bluetooth menu and search for devices. Once you see "Car Connect 3000" in the list, select it. Your phone should pair and then connect with the interface. The CarConnect will alllow up to 4 devices to be paired at once.

Make Discoverable
Press Preset 5 five times within five seconds while in Bluetooth mode to make the CarConnect discoverable. The radio will display "Ready to Pair".

Switch to Next Device
Press Preset 3 to switch to the next device. Devices are sequenced by the order in which they were paired. The CarConnect will always try to connect to the last device paired when the key is cycled. If that device is not present it will look for the next device in line.

Clear All Paired Devices
Press Preset 2 five times within five seconds while in Bluetooth mode to clear all paired devices. The radio will display "Clear All".

Adjusting the CarConnect Output Gain
While in CarConnect mode, press Preset 4 to enter gain adjustment mode. Within 5 seconds press either Preset 5 or Preset 6 to adjust the gain. Preset 5 lowers the gain and Preset 6 raises the gain.

HFP Controls

Answer Call
Press the Track Up button on the radio or the SWC to answer an incoming call

End Call
Press the Track Down button on the radio or the SWC to end a call

Reject Call
Press the Track Down button on the radio or the SWC to reject an incoming call

Privacy
Press the Track Up button on the radio or SWC to switch the call over to the handset. Press again to return to the Bluetooth kit.

Satellite Radio Operation (Cont.)

A2DP Controls

Play/Pause
Press Preset 1 to pause the current track. Press again to play the current track.

Track Up/Down
Press the Track Up/Down buttons on the radio or SWC to change tracks.

Voice Recognition

Press Preset 6 to initiate your phone's VR function. This will launch whatever the default VR function is on your phone (Siri, S-Voice, Google Voice, etc...)

CD Changer Operation

Selecting Bluetooth as a Source
Press the CD or AUX button to enter the CD Changer source. The radio will display "D-01 T-01" when you are in the Bluetooth mode.

**PLEASE NOTE: If your factory SWC's track buttons change presets, you will need to press and hold them to initiate any CarConnect function

Pairing/Connecting Your Phone

When the CarConnect has been installed for the first time, or whenenver you clear all paired devices, it will be automatically discoverable. Open up your phone's Bluetooth menu and search for devices. Once you see "Car Connect 3000" in the list, select it. The CarConnect will alllow up to 4 devices to be paired at once.

Make Discoverable
Press the Repeat button five times within five seconds while in Bluetooth mode to make the CarConnect discoverable. The radio will display "Ready to Pair".

Switch to Next Device
Press the Random button to switch to the next device. Devices are sequenced by the order in which they were paired. The CarConnect will always try to connect to the first device paired when the key is cycled. If that device is not present it will look for the next device in line.

Clear All Paired Devices
Press the Random button 5 times within five seconds while in Bluetooth mode to clear all paired devices. The radio will display "Clear All".

Adjusting the CarConnect Output Gain
While in CarConnect mode, press Random to enter gain adjustment mode. Within 5 seconds press either Disc Down or Disc Up to adjust the gain. Disc Down lowers the gain and Disc Up raises the gain.

CD Changer Operation (Cont.)

HFP Controls

Answer Call
Press the Track Up button on the radio or the SWC to answer an incoming call
End Call
Press the Track Down button on the radio or the SWC to end a call

Reject Call
Press the Track Down button on the radio or the SWC to reject an incoming call

Privacy
Press the Track Up button on the radio or SWC to switch the call over to the handset. Press again to return to the Bluetooth kit.

A2DP Controls

Play/Pause
Press the Disc Up or Folder Up button to pause the current track. Press again to play the current track.

Track Up/Down
Press the Track Up/Down buttons on the radio or SWC to change tracks.

Voice Recognition

Press the Disc Down or Folder Down button to initiate your phone's VR function. This will launch whatever the default VR function is on your phone (Siri, S-Voice, Google Voice, etc...)

ISTY571 (GateWay) & ISTY651 (Connect)

The GateWay/Connect interface relies on a 12volt power source that is provided in the factory radio's satellite radio output connector in Lexus/Toyota applications. In some instances it is possible that the radio is not providing ample current to allow for proper operation of the iSimple device. In some cases it causes the Gateway/Connect to be inoperable and in other cases, certain operations of the Gateway/Connect will not operate correctly. To correct the issue, it is necessary to cut a wire in the PGHTY1 harness and run that wire to a different wire on the radio harness.

To modify the PGHTY1 harness, **locate the yellow wire** at the 12 pin connector that connects into the back of the radio. Looking at the wire side of the 12 pin connector with the wires coming out towards you, it will be located on the bottom left of the harness (pin 12). Cut this wire within a few inches of the radio connector and tape off the side that leads back to the radio (this side will no longer be used). The remaining side of the wire will need to connect to a wire that provides battery 12 volts to the radio (or to the cigarette lighter power lead if it retains power with the key off).

locate yellow wire

Depending on the vehicle, the radio will have one of the two types of harnesses at the radio to use for the battery 12 volt connection.

Example 1:
For this example, the battery 12 volt wire is in pin 1. Verify with a multimeter that the connection reads 12 volts with or without the ignition on.
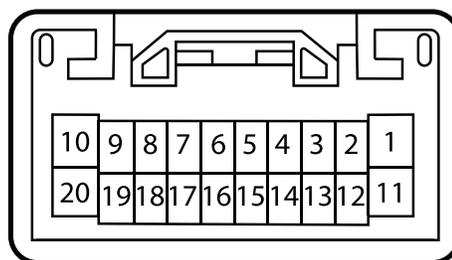
Example 2:
For this example, there are two harnesses that make the primary radio harness. The battery 12 volt wire is in pin 4 of the 10 pin connector. Verify with a multimeter that the connection reads 12 volts with or without the ignition on.