



**CarConnect  
Bluetooth Interface  
General Motors  
Owner's Manual**

## Introduction

Thank you for purchasing the iSimple CarConnect. The CarConnect 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** - 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. CD Changer emulation mode does not support Caller ID.

**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 or steering wheel mounted radio controls (if equipped). 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. If your vehicle is equipped with Rear Seat Controls and they are on, the radio will not switch to Bluetooth 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 placed into audio streaming 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. 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.

## Operation Navigation Radios

### **Entering The Mode Select Menu (Navigation Radios)**

Press the "XM" tab on the screen, "Select Source" will be displayed on the screen. Immediately turn the Tune Knob to scroll through available sources (SAT Radio, Bluetooth). Once "Bluetooth" is displayed, after 10 seconds the source will auto select. If the vehicle is not equipped with factory satellite the radio will not go into the mode select menu and the module will default to the Bluetooth mode.

### **Selecting Bluetooth as a source (Non-Navigation) Radios**

Press the "BAND" button a few times until you enter the XM source. "Select Source" will be displayed on the screen. Immediately turn the Tune Knob to scroll through available sources (SAT Radio, Bluetooth). Once "Bluetooth" is displayed, after 10 seconds the source will auto select. If the vehicle is not equipped with factory satellite the radio will not go into the mode select menu and the module will default to the Bluetooth mode.

### **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 allow up to 4 devices to be paired at once.

### **Make Discoverable**

Enter the mode select menu and turn the Tune Knob until "Settings" is displayed on the radio. Press the ►I Seek button again to enter Settings. "BT Config" will be displayed on the radio. Press the ►I Seek button again to enter the configuration menu. "Pair New" will be displayed on the radio. Press the ►I to make the CarConnect discoverable. The radio will display "Discoverable".

### **Switch to Next Device**

Enter the mode select menu and turn the Tune Knob until "Settings" is displayed on the radio. Press the ►I Seek button again to enter Settings. "BT Config" will be displayed on the radio. Press the ►I Seek button again to enter the configuration menu. Turn the Tune Knob until "Next Device" is displayed on the radio. Press the ►I Seek button again to switch to the next device. 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 Devices**

Enter the mode select menu and turn the Tune Knob until "Settings" is displayed on the radio. Press the ►I Seek button again to enter Settings. "BT Config" will be displayed on the radio. Press the ►I Seek button again to enter the configuration menu. Turn the Tune Knob until "Delete All" is displayed on the radio. Press the ►I Seek button again, the radio will display "Confirm Delete". Press the ►I Seek button again to delete all paired devices. The radio will display "Devices Cleared".

## Operation Navigation Radios (Cont.)

### **Adjusting the CarConnect Output Gain**

Enter the mode select menu and turn the Tune Knob until "Settings" is displayed on the radio. Press the ► I Seek button again to enter Settings. "BT Config" will be displayed on the radio. Press the ► I Seek button again to enter the configuration menu. Turn the Tune Knob until "Spkr Vol" is displayed on the radio. Press the ► I Seek button again to enter adjustment mode. Turn the Tune Knob to adjust the output gain.

### **HFP Controls**

#### **Answer Call**

Press the ► I Seek button on the radio or the Voice button on the SWC to answer the incoming call.

#### **End Call**

Press the I ◀ Seek button on the radio or the ▼ on the SWC to end a call.

#### **Reject Call**

Press the I ◀ Seek button on the radio or the ▼ on the SWC to reject a call.

#### **Privacy**

Press the ► I Seek button on the radio to switch the call over to the handset. Press again to return to the Bluetooth kit.

### **A2DP Controls**

#### **Play/Pause**

Press the ► I Seek button on the radio or the ► I button on the SWC to pause the current track. Press again to play the current track.

#### **Track Up/Down**

Turn the Tune Knob on the radio or press the ▲ or ▼ buttons on the SWC to change tracks.

### **Voice Recognition**

Press the I ◀ Seek button on the radio or the Voice button on the SWC 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)

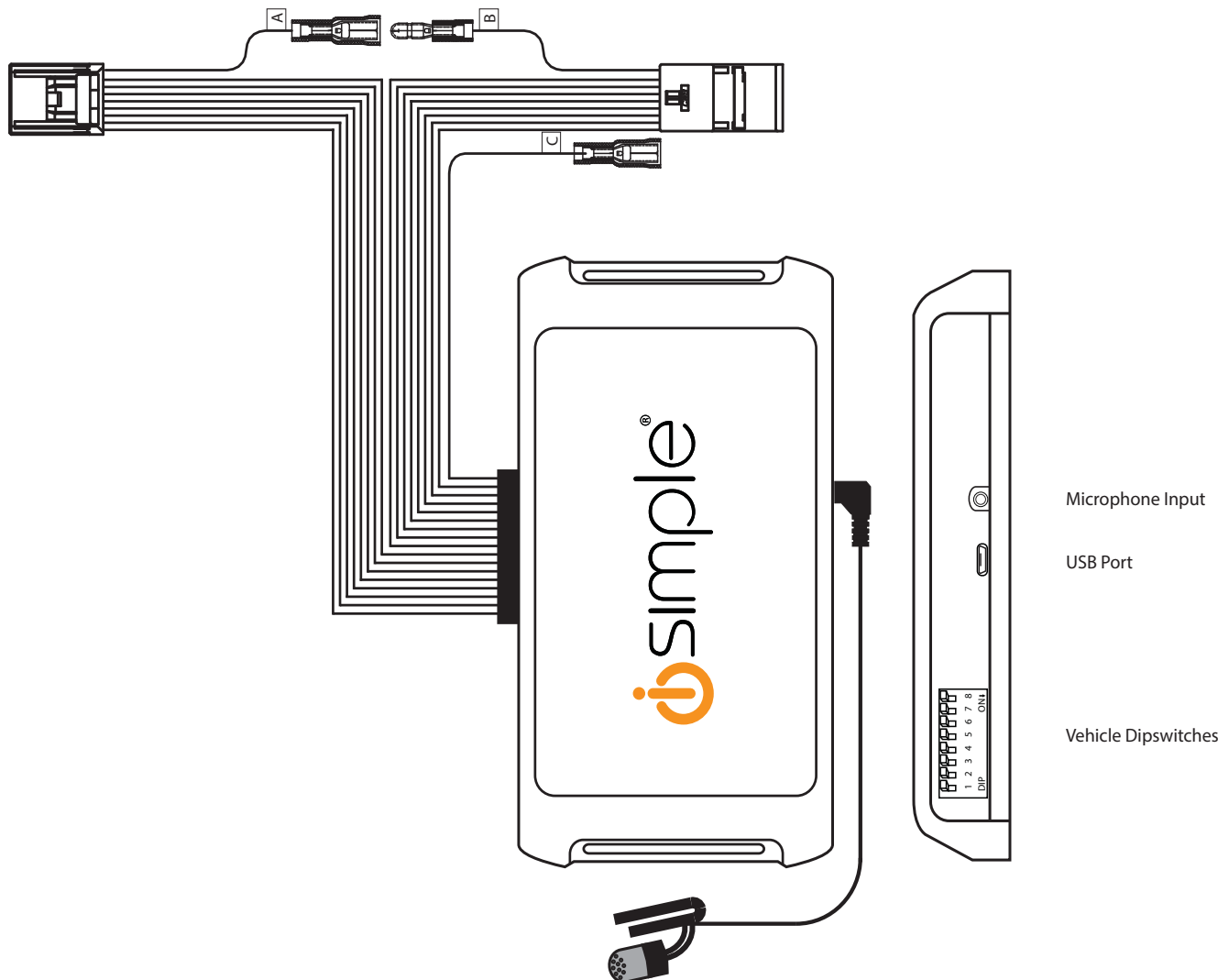


**CarConnect  
Bluetooth Interface  
Installation Manual**

















## Table of Contents

1. Wiring Overview
2. GM Vehicles - Page 3
3. Honda/Acura Vehicles - Pages 3-4
4. Toyota/Lexus/Scion - Page 4-5
5. Connecting the Factory Satellite Radio Tuner Accessory Wire (PGHSATR) - Page 6
6. Testing & Verification - Page 7

## Wiring Overview



























## GM Vehicles

GM Dipswitch Settings															
Escalade Non-Nav								All Other Vehicles							
															
1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
ON ↓								ON ↓							

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

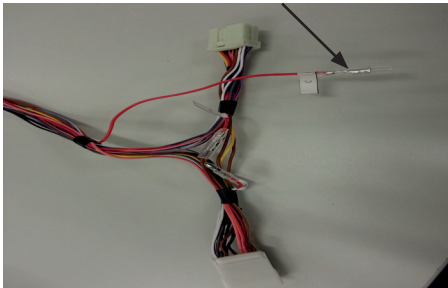
Honda/Acura Dipswitch Settings																							
Satellite Emulation without Factory Satellite								Satellite Emulation with Factory Satellite								CDC Emulation							
																							
1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
ON ↓								ON ↓								ON ↓							

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.)

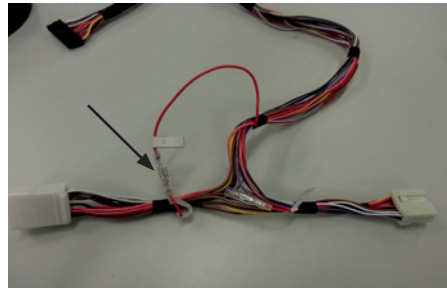
4. Disconnect the factory 14-Pin harness (if present) from the back of the radio.
5. Prepare the CarConnect harness for installation. Depending on what factory peripherals you have in your vehicle, you may need to make changes to the red wire with bullet connectors on them.
  - A. **Vehicles equipped 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 usually 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



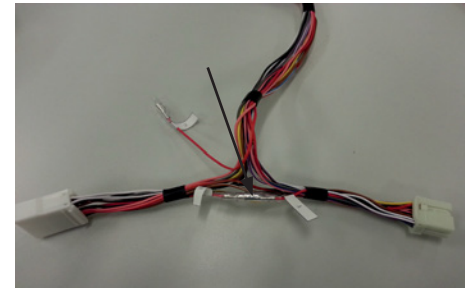
**Fig. 1**

Connect B to C Here



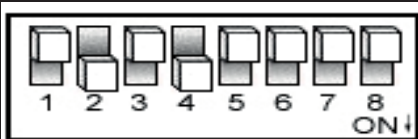

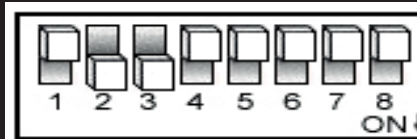
**Fig. 2**

Leave A connected to B Here



**Fig. 3**

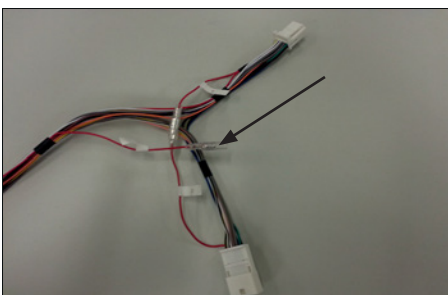
## Toyota/Lexus/Scion Vehicles

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 usually 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 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



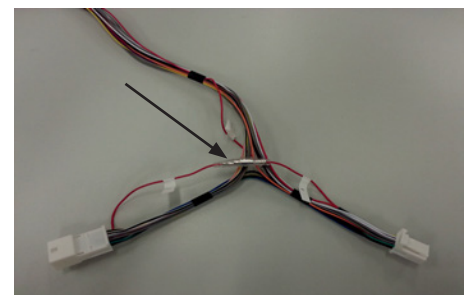
**Fig. 1**

Connect B to C Here



**Fig. 2**

Leave A connected to B Here



**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



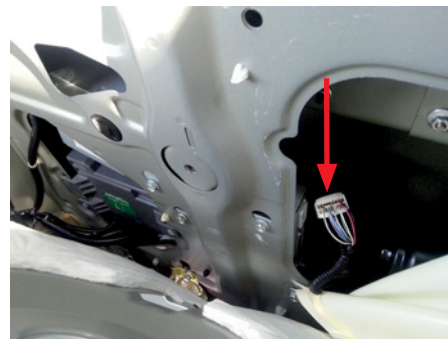
It should now look like this. Pull on the panel from the back edge to release it.



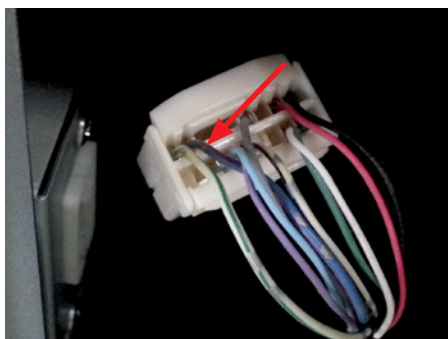
The satellite tuner connector is behind the plastic



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.



1	2	3	4	5	6		
7	8	9	10	11	12	13	14

**EX-L; EX-L: RES:**

1 WHT/GRN (+B (Fuse 5 – Driver's))	8 —
2 BLU/RED (GA-NET2 SYSTEM ACC)	9 LT BLU (GA-NET AUDIO BUS2+)
3 GRY (GA-NET AUDIO BUS2 SH)	10 PUR (GA-NET AUDIO BUS2-)
4 —	11 WHT/BLK (GA-NET2 GND)
5 RED (AUDIO2 R+)	12 —
6 BLK (AUDIO2 L+)	13 WHT (AUDIO2 R-)
7 —	14 GRN (AUDIO2 L-)