


# ISFM2201 User Manual and Installation Guide

Certified  Canada : 10801A-ISFM220X **FC**: XBD-ISFM2201 **CE**

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# 1. Introduction

Thank you for choosing the iSimple ISFM2201 as your media and hands-free integration solution. The ISFM2201 is designed to provide the connecting link between your iPhone, Android or Bluetooth powered device and your vehicle.

InSeam is not a simple car kit, but goes far beyond the hands-free or streaming audio by allowing the user to fully pilot its smartphone or Tablet via Voice Recognition (VR). InSeam is fully integrated into the vehicle steering wheel control buttons, providing a seamless transition between radio mode and smartphone mode. InSeam allows the user to open any application installed on the user smartphone by simply pushing a button on the steering wheel and speak the name of the application – the commands depend on the VR application chosen by the user.

It is now possible to hear the text messages on the car audio system, see them on the radio display and even reply by speaking the message without touching the device. Or launch the Navigation and hear confirmation by simply speaking the direction. InSeam has also parental controls build in. Parents can disable notifications (email or text messages) based on speed detection to avoid driver distraction.

For best results AAMP recommends the use of iPhone 4S and iPhone 5 and Android 3.0 and higher devices.

## 2. ISFM2201 Components

- Bluetooth Module
- Microphone
- Harness
- InSeam Application (Free download from iTunes store or Android Play Store)
- CAN bus adapter module (only required for CAN enabled vehicle)

## 3. Installation Options

The ISFM2201 interrupts the incoming antenna signal when in use, to deliver the cleanest audio possible from your device.


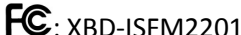

### A. Connecting to any FM equipped radio

1. **Red Wire.** Connect to switched accessory power (not constant)
2. **Yellow Wire.** Connect to constant battery power
3. **Black Wire.** Connect to ground.
4. **Microphone.** Once installed, plug the connector from the microphone into this location..
5. **Antenna input.** Connect antenna lead from the vehicle.
6. **Antenna output.** Connect antenna lead into back of radio.

*Note: Antenna adaptors may be needed for select vehicles!*

*The ISFM2201 is compatible with amplified antenna systems, and adaptors.*

### B. Additional connections for vehicles with compatible steering wheel controls

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The ISFM2201 is designed with an interface to utilize the Steering Wheel Controls of select vehicles to provide advanced control of a connected iPhone or Android devices

*Note: The following Steering Wheel Control connection options apply to select vehicles. See detailed application notes at [www.isimplesolutions.com](http://www.isimplesolutions.com) for a list of applicable vehicles.*

### **OPTION A: SWI Interface**

1. Set the 4-position DIP switch to the correct setting for your vehicle (as outlined in the application notes)
2. **YYY Wire.** Cut and direct the Steering Wheel control line from select vehicles to the vehicle to the radio into this connection.
3. **ZZZ Wire.** Connect this line out of the ISFM2201 to the Steering Wheel control input of the radio
4. Follow the instructions in the application notes to program the ISFM2201 to recognize the steering wheel controls for your vehicle.

### **OPTION B SWI interface – vehicles with CAN bus**

For vehicles that utilize a CAN communications bus for Steering Wheel Control communication to the radio, an additional adapter QQQQQQ must first be installed before making the following connections.

1. **TTT Wire.** Connect to the AAA line of the QQQQQQ module.
2. **VVV Wire.** Connect to the BBB line of the QQQQQQ module.
3. Follow the instructions in the application notes to program the ISFM2201 to recognize the steering wheel controls for your vehicle.

## **C. Installing the Microphone for Hands-free Calling**

Decide on a mounting location for the microphone either on the headliner or overhead console. Avoid placing the microphone by the side windows to eliminate extra noise. Carefully run the microphone cable down into the dash where the ISFM2201 is to be installed.

*Note: The Microphone cable should be routed to avoid interference with any airbags (ex: side curtain and/or driver's airbag). The microphone should not be mounted on the steering wheel or in any manner which would impair proper operation of the vehicle.*

*Note: Vehicle Airbags deploy with great force. Consult vehicle service information for proper handling of the vehicle's airbags during installation.*

When securing the ISFM2201 within the dash cavity of the vehicle, placement of the module is very important. Bluetooth technology supports devices communicating wirelessly up to 30 feet away in most cases. However metal structures inside the dash can reduce the communication between the module and the Bluetooth device. Please keep this in mind when installing the ISFM2201 module and ensure to place it where it will have the least obstructions from metal objects.

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## 4. Frequency Selection and App Operation

### Selecting the ISFM2201 Frequency

The factory-set operating frequency is 98.1 FM. If an alternate frequency is desired, the frequency may be easily adjusted from the ISFM2201 app, Settings Menu on your iPhone or Android device. We recommend setting the FM frequency on the user's favorite FM station frequency. If a call comes in, the unit will switch from FM radio to the call audio and the user can answer from the dedicated button on the steering wheel, or reject the call and resume FM radio.

In case the user is not listening on the FM frequency selected for InSeam operation, the correct frequency needs to be selected first to hear the phone audio. The Steering wheel buttons will then perform phone functions.

### Activating the Voice Control Application on your device with the Steering Wheel Controls

With the ISFM2201 app installed on your device and the device connected via Bluetooth to the ISFM2201, press the programmed Steering Wheel designated key to activate the voice control of your iPhone or Android device. The other programmed Steering Wheel keys can be used to navigate options of the phone during voice control.

## 5. Bluetooth Pairing and Connecting

To pair your iPhone or Android device with the ISFM2201 (this is only required the first time you use ISFM2201, after being paired, it will automatically reconnect with the device when returning to the vehicle)

- A. Turn the vehicle on.
- B. Open your device's Bluetooth settings menu, and search for new Bluetooth adaptors.
- C. Select the device called "ISFM2201". Choose "Connect". The module connects automatically with the phone, no pass code is necessary. Every time the phone connects to the unit, the InSeam application starts and runs in the background (visible in the Android notification bar, not visible on Apple devices).

Note: If pairing is not successful within the first 2 minutes after turning the vehicle on, cycle ignition off, then begin again at step A.

## 6. Utilizing the ISFM2201 for hands-free calling

Note: To utilize the vehicle stereo for hands-free call audio, the FM radio mode must be selected and the radio must be tuned to the set frequency utilized by the ISFM2201. Check your ISFM2201 App for the currently active FM frequency setting.

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With incoming or outgoing calls, the connected device will automatically route call audio through the ISFM2201 to your vehicle stereo.

Utilize the Voice control of your device (via the optional steering wheel activation press) as a handsfree means to dial an outgoing call.


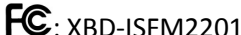

## Troubleshooting

Symptom	Cause	Remedy
No Audio from the iPhone or Android source	1) The radio is not set to the correct station	Tune to the default frequency: 98.1FM, or verify the set frequency in the ISFM2201 App on the connected device
	2) Device is not paired	Please reference section 5 for device pairing.
Noise / static on regular FM stations	ISFM2201 is active.	Pause the iPhone or Android device, and wait 8 seconds.
		Access the ISFM2201 App, and select the OFF option.
Can not find ISFM2201 when searching bluetooth devices	The ISFM2201 is no longer in pairing mode (lasts 2 minutes after key on)	Turn the vehicle off, then back on again, try to pair within the first 2 minutes of key on.
Message appears on iPhone or Android device - If a message appears on your device stating "Pairing unsuccessful" Make sure ISFM2201 is turned on, in range, and is ready to pair.	The device did not properly establish a bluetooth connection	Press "Connect" again. If pairing continues to fail, cycle ignition off, back on and try pairing again.

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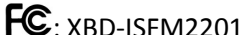

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The quality controls used in the manufacture of this product will ensure your satisfaction. This warranty applies only to the original purchaser of this product from an authorized iSimple® dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by iSimple® authorized personnel, is found to have failed in normal use due to defects in material or workmanship. This warranty does not apply to installation expenses. Attempting to service or modify this unit, operating this unit under conditions other than the recommended voltage will render this WARRANTY VOID.

Unless otherwise prescribed by law, iSimple® shall not be liable for any personal injury, property damage and or any incidental or consequential damages of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product. All parts of this iSimple® product are guaranteed for a period of 1 year as follows:

Within the first 12 months from date of purchase, subject to the conditions above, iSimple® will repair or replace the product at our discretion, if it is defective in material or workmanship providing it is returned to an Authorized iSimple® dealer, with PROOF OF PURCHASE from an authorized iSimple® dealer.

## Warning:

This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.

### FCC Class B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Re-orientate or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that of which the receiver is connected.
4. Consult the dealer or an experienced radio / television technical for help.

Notice : The changes or modifications not expressly approved by the party responsible compliance could void the user authority to operate the equipment.

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