

AVIC-S2 / PIONEER

# *Pioneer* AVIC-S2

## System User Manual

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**Note**

The information in this document is subject to change without notice.



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# Notice

- Before using this product, read “Important Information for the User” (a separate manual) which contains warnings, cautions, and other important information that you have to follow.
- This manual provides system and Bluetooth® information. For information on the GPS navigation software, see the “Operation Manual.”

## Federal Communication Commission 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 the 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**IC statement**

Operation is subject to the following two conditions:

- 1) This device may not cause interference and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT NOTE:

**IC Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

# 1

## Getting Started

### 1.1 Understanding Hardware Features

#### Front Components



Ref	Component	Description
①	<b>Touch Screen</b>	Displays the output of your device. Touch the screen with your fingertip to select menu commands or enter information.
②	<b>Bluetooth Indicator</b>	Flashes in blue to indicate that Bluetooth is on. The Bluetooth is always on when your device is turned on.
③	<b>Map Button</b>	Opens the Map screen.

- 
- 4
Scroll Wheel

**In Phone Menu:**  
 Scrolls through the Bluetooth menu buttons by rotating the wheel.  
 Selects the highlighted item by pressing in the wheel.

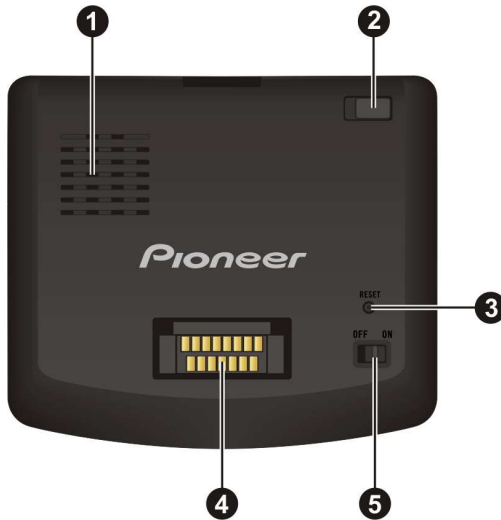
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**In the MP3 screen:**  
 Adjusts the volume by rotating the wheel.

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  - 5
Menu Button
Opens the **Main Menu** by pressing briefly.
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## Back Components



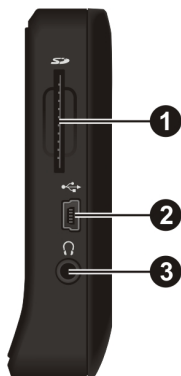
Ref	Component	Description
<b>1</b>	<b>Speaker</b>	For voice prompts, system operation tone, and hands free dial voice.
<b>2</b>	<b>External GPS Antenna</b>	This connector (under rubber dust cover) allows use of an external GPS antenna (not available through Pioneer), which may be positioned on top of the car for better signal reception in areas with poor reception. Contact Pioneer Support for recommendations on available third party products.
<b>3</b>	<b>Reset Button</b>	Restarts your device (soft reset).

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<b>4</b>	<b>TMC Car Cradle Connector</b>	Connects to the optional TMC Car Cradle for receiving TMC (Traffic Message Channel) information.
<b>5</b>	<b>ON/OFF Switch</b>	The main power/battery cutoff switch.

## Right-Side Components



Ref	Component	Description
<b>1</b>	<b>SD Slot</b>	Accepts an SD (Secure Digital) card for future map and software upgrades.
<b>2</b>	<b>Mini-USB Connector</b>	Connects to the AC adapter or USB cable.
<b>3</b>	<b>Headphone Connector</b>	Connects to stereo headphones.

## Top Components



Ref	Component	Description
1	Power Button	Turns the device on and off by pressing for at least 2 seconds. Glows bright amber to indicate that the battery is charging, and turns green when the battery is fully charged.

## Bottom Components

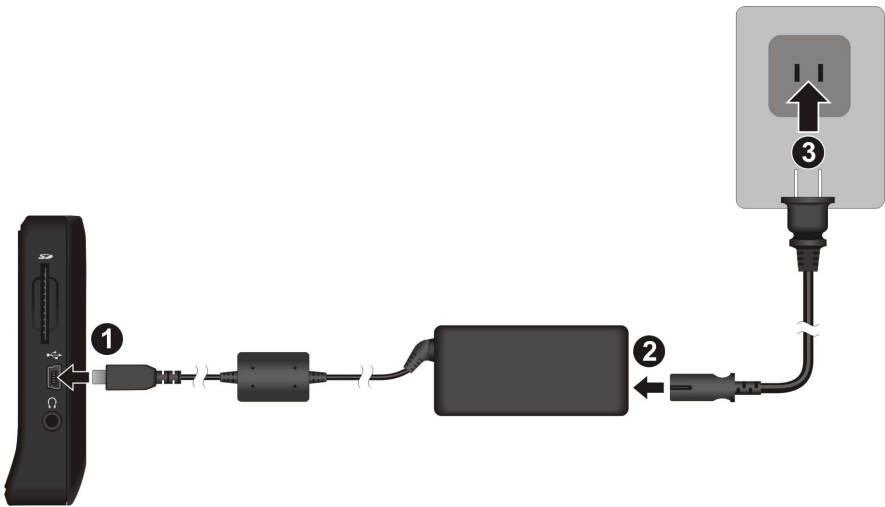


Ref	Component	Description
1	Microphone	For Bluetooth hands-free calling.

## 1.2 Connecting to AC Power and Charging the Battery

You are recommended to fully charge your device before using it for the very first time.

1. Connect the AC adapter cable to the mini-USB connector on your device.
2. Connect one end of the power cable to the AC adapter and the other end to a wall outlet.



The power indicator glows amber when charging is in progress. Do not disconnect your device from AC power until the battery is fully charged. The power indicator will turn green. This will take a couple of hours.

**CAUTION:** For optimal performance of the lithium battery, take note of the following:

- Do not charge the battery where the temperature is high (e.g. in direct sunlight).
- There is no need to fully discharge the battery before charging. You can charge the battery before it is discharged.
- If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.

## 1.3 Performing the Initial Startup

1. Slide the ON/OFF switch to the ON position.



2. Your device turns on and prompts you to select the language. Select the desired language and tap **OK**. Your device restarts and guides you through the rest of the initial startup settings.
3. The **Main Menu** appears.



## 1.4 Turning Your Device On and Off

Press and hold the power button for at least 2 seconds to turn on and off your device.



When you press the power button to turn off the unit, your device actually enters into a suspend state and the system stops operating. Once you turn on the system again, it resumes from the same guidance or menu screen you left off at.

## 1.5 Main Menu

The **Main Menu** is your starting place for various tasks. Tap a button to start a task or open another menu. (For information on the GPS navigation software, see the “Operation Manual.”)



You can access the **Main Menu** at any time by pressing the **MENU** button on your device.

Button Name	Description	For Detailed Information
<b>Navigation</b>	Starts the navigation software.	See the “Operation Manual” supplied with the software.
<b>Audio Player</b>	Plays MP3 music.	Chapter 2
<b>System Setting</b>	Customizes the system settings.	Chapter 3
<b>Bluetooth</b>	Serves as a hands-free (HF) device for a Bluetooth mobile phone.	Chapter 4

## 1.6 Navigating on the Screen

To navigate and select objects on the screen, simply use your finger and touch the screen. The following are possible via touch screen:

- Tap**  
 Touch the screen once with your finger to open items or select options.
- Drag**  
 Hold your finger on the screen and drag up/down/left/right or across the screen.
- Tap and hold**  
 Tap and hold your finger until an action is complete, or a result or menu is shown.



## 1.7 Using a SD Card

**| NOTE:** Make sure that no foreign objects enter the slot.

Your device has a SD slot where you can insert an Secure Digital storage card for future software and application upgrades sold by Pioneer. To use a SD card, insert it into the slot, with the connector pointing to the slot and its label facing the front of the device.



To remove a card, first make sure that no application is accessing the card, and then slightly push the top edge of the card to release it and then pull it out of the slot.





# 2

## Bluetooth HF Phone

### 2.1 About Bluetooth HF Phone

Your device can serve as a hands-free (HF) device for a Bluetooth mobile phone. After establishing the Bluetooth connection, you can tap your device to place and receive phone calls instead of picking up the mobile phone, and the built-in speakers and microphone can also be used for your conversation.

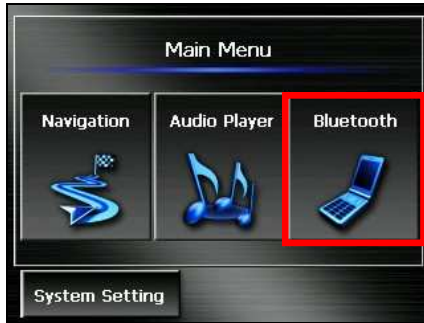
### 2.2 Connecting a Bluetooth Mobile Phone

To connect with a Bluetooth mobile phone for the first time:

1. Initiate the Bluetooth searching process on your mobile phone. You should see “Pioneer AVIC-S2” in the device list after searching is completed.
2. Select “Pioneer AVIC-S2” to create the connection. Use the **0000** default passkey to connect.
3. Your AVIC-S2 can now serve as a hands-free device for your mobile phone.

## 2.3 Starting Bluetooth Mobile Phone

1. Tap **Bluetooth** on the Main Menu.







2. The **Bluetooth HF Phone** main screen appears. The status bar at the bottom shows the name of the mobile phone connected.




## 2.4 Placing a Call

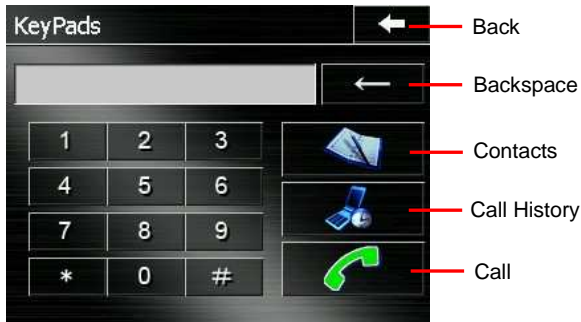
After pairing with your mobile phone, you can place a call using any of the four

buttons (  **Keypad**,  **Contacts**,  **Call History**, and  **Redial**) on the **Bluetooth HF Phone** main screen.




# Keypad



By tapping the **Keypad** button on the **Bluetooth HF Phone** main screen, you can enter the telephone number with the onscreen keypad. After entering the telephone number, tap  to place the call.



## NOTE:

- To delete the last digit entered, tap the  **Backspace** button.
- The other two buttons allow you to switch to  **Contacts** and  **Call History** screens.


# Contacts

You can transfer contact data of your Bluetooth devices via OPP (Object Push Profile). As long as you have sent such information to your device, the information is available in **Bluetooth HP Phone**.



To call a contact, tap the **Contacts** button on the **Bluetooth HF Phone** main screen.




Tap the desired contact and the phone number list appears. Tap the phone number to call and tap  to call the selected phone number.

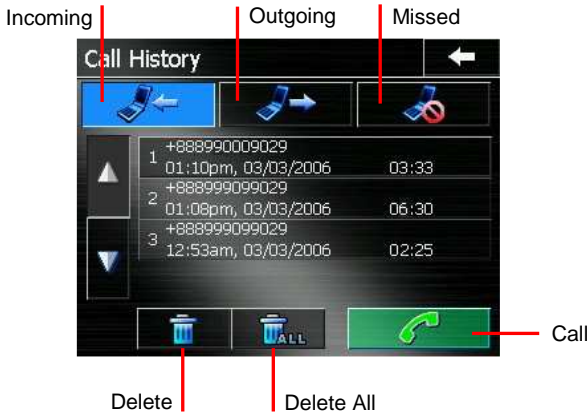


## Call History



**NOTE: Bluetooth HF Phone** cannot access the call history stored in a connected mobile phone.




Tap the  **Call History** button on the **Bluetooth HF Phone** main screen to display the recent incoming, outgoing, or missed calls together with information such as date, time, and duration of each call.



Tap the respective button (  **Incoming**,  **Outgoing**, or  **Missed**) to view the last 20 calls of the selected type.

With an item selected, you can tap the  button to dial the number or the  button to delete the item.

To clear all items in the current list, tap the  button.

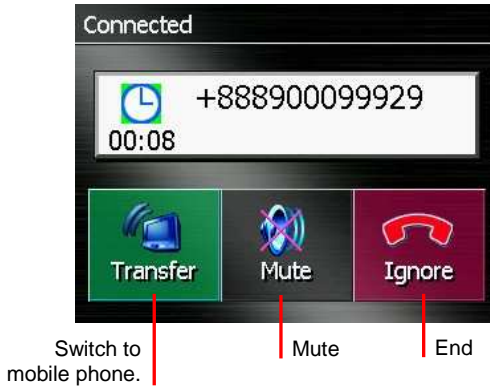
## Redial




Tap the **Redial**  button on the **Bluetooth HF Phone** main screen to dial the last number you called.



## 2.5 Operations During a Call

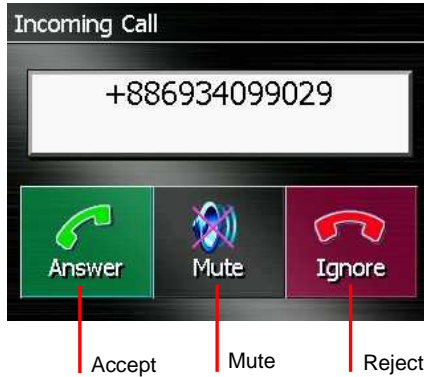
During a call, three functions are available:



- Tap the  **Mute** button to mute your sound so that the other party cannot hear you. To end the mute mode, tap the same button again.
- Tap the  **Ignore** button to end the call.
- Tap the  **Transfer** button to switch the call to your mobile phone. To switch back to your device, tap the same button again.


## 2.6 Receiving a Call

When you have a call after pairing with a mobile phone, the device rings and displays the **Incoming Call** screen.



To accept the call, tap the  **Answer** button.

To reject the call, tap the  **Ignore** button.

To mute the ring tone before receiving or rejecting, tap the  **Mute** button.

## 2.7 Connecting to a Paired Phone

Once you have established a Bluetooth connection with a mobile phone, it will be stored in your device. You can initiate the connection from your device.

1. Start **Bluetooth HF Phone** as described in section 4.3.



2. Tap the **Connect** button on the **Bluetooth HF Phone** main screen. Your device will search the last paired mobile phones for an available connection.



**NOTE:**

- Make sure that the mobile phone is in "discoverable" mode.
- Up to 8 sets of paired mobile phones can be stored. A 9th paired mobile phone will replace the oldest one.
- Once you reset or cold boot your device, you may not be able to find the last paired mobile phone available for the connection. You will need to start the connection all over again. (See section 4.2 for more information.)




## 2.8 Initiating Pair Mode



By tapping the **Pair Mode** button on the **Bluetooth HF Phone** main screen, you can manually set your device to **Pair Mode**. Within the duration of 60 seconds, you can initiate the pairing process on your mobile phone to discover your device as a hands-free device.



## 2.9 Closing Bluetooth HF Phone

To hide the **Bluetooth HF Phone** screen, tap the  button on the **Bluetooth HF Phone** main screen. **Bluetooth HF Phone** is still running in the background.

## 2.10 Ending the Bluetooth Connection

When you turn off your device, the connection is ended. You can also end the connection from your mobile phone.

# 3

## Troubleshooting and Maintenance

This chapter gives solutions to common problems you may encounter. It also provides guidelines on how to take care of your device.

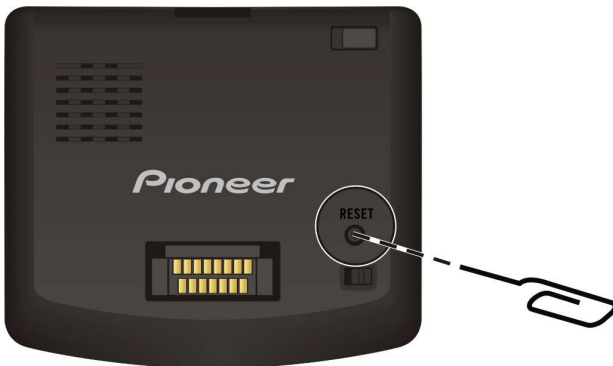
**NOTE:** If you encounter a problem you cannot solve, contact an authorized service center for assistance.

### 3.1 Resetting Your System

Occasionally, you may need to reset your device. For example, you should reset your system when it stops responding; or appears to be “frozen” or “locked up.”

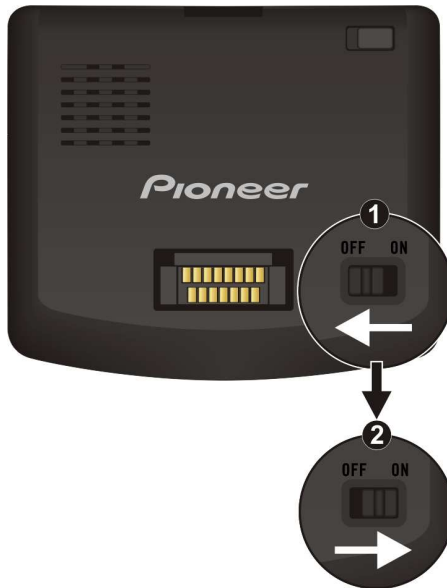
Use the stylus pen to press the reset button on your device. This is called a “soft reset.”

If your device still does not respond after a soft reset, you can use the following steps to perform a “hard reset.”



1. Disconnect all cables, including the AC adapter, from your device.
2. Slide the ON/OFF switch to the OFF position.

3. Wait for 1 minute and then slide the switch back to the ON position.



4. Your device turns on.

## 3.2 Troubleshooting

### Power Problems

#### Power does not turn on when using battery power

- The remaining battery power may be too low to run your device. Connect the AC adapter to your device and then to AC power. Then, turn on your device.

### Screen Problems

#### Screen is off

If the screen does not respond even after you press the power button, try the following in order until the problem is solved:

- Connect the AC adapter to your device and to external AC power.

- Reset your system.

### Screen responds slowly

- Make sure that your device is not running out of battery power. If the problem still exists, reset your system.

### Screen freezes

- Reset your system.

### Screen is hard to read

- Make sure that the backlight of the display is on and if necessary adjust the brightness. On the **Main Menu**, tap **System setting** → **Backlight**.

## Connection Problems

### Cable Connection Problems

- Make sure that your device and your computer are both turned on before trying to establish a connection.
- Make sure that the cable is securely plugged into the USB port on your computer and on the device. Connect the USB cable directly to your computer—do not run the cable through a USB hub.
- Reset your device before connecting the cable. Always disconnect your device before you restart your computer.

## GPS Problems

When there are no valid signals available, consider the following:

- Make sure that the device is facing a clear view of the sky.
- Note that the GPS reception can be affected by:
  - ✓ Bad weather
  - ✓ Dense overhead obstacles (e.g. trees and tall buildings)
  - ✓ Other wireless device in the car
  - ✓ Reflective car window tint and heated screens.

## 3.3 Maintaining Your Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture and condensation build up inside the unit, which could damage your device. In the event of moisture or condensation, allow the device to dry out completely before use.
- Do not place heavy objects on top of this device. Use the provided Carrying Case when transporting the unit outside of the vehicle.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth moistened with water to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.