Technical Support Guide
Subaru SD Card Navigation System

May 2013
Technical Support Guide
Subaru SD Card Navigation System
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- [N] - [S] ................................................................. 126
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1. Introduction to the Subaru SD Card Navigation System

Overview to the Subaru SD Card Navigation System

Applicable Models

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>ID</th>
<th>SUBARU No.</th>
<th>SD Part No.</th>
<th>Map Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>12MY IMPREZA</td>
<td>FM601US</td>
<td>86271FJ600</td>
<td>86283FJ600</td>
<td>2010 Q3</td>
</tr>
<tr>
<td>12MY IMPREZA STI</td>
<td>FW602US</td>
<td>86271FG600</td>
<td>86283FG600</td>
<td></td>
</tr>
<tr>
<td>12MY FORESTER</td>
<td>FP606US</td>
<td>86271SC600</td>
<td>86283SC600</td>
<td></td>
</tr>
<tr>
<td>13MY BRZ</td>
<td>FA601US</td>
<td>86271CA620</td>
<td>86283CA620</td>
<td></td>
</tr>
<tr>
<td>13MY IMPREZA / XV CROSSTREK</td>
<td>FM612US</td>
<td>86271FJ610</td>
<td>86283FJ610</td>
<td>2011 Q3</td>
</tr>
<tr>
<td>13MY IMPREZA STI</td>
<td>FW602US</td>
<td>86271FG620</td>
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<td>FP606US</td>
<td>86271SC620</td>
<td>86283SC620</td>
<td></td>
</tr>
<tr>
<td>14MY FORESTER (w/ Aha)</td>
<td>FF605US</td>
<td>86271SG600</td>
<td>86283SG600</td>
<td></td>
</tr>
<tr>
<td>14MY FORESTER (w/ Aha, w/ H/K AMP)</td>
<td>FF615US</td>
<td>86271SG610</td>
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<td></td>
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<td>14MY FORESTER (w/ Aha)</td>
<td>FF605US</td>
<td>86271SG620</td>
<td></td>
<td></td>
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<tr>
<td>14MY FORESTER (w/ Aha, w/ H/K AMP)</td>
<td>FF615US</td>
<td>86271SG630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14MY IMPREZA / XV CROSSTREK (w/ Aha)</td>
<td>FM622US</td>
<td>86271FJ620</td>
<td>86283FJ620</td>
<td>2012 Q3</td>
</tr>
<tr>
<td>14MY IMPREZA STI (w/ Aha)</td>
<td>FW602US</td>
<td>86271FG630</td>
<td>86283FG630</td>
<td></td>
</tr>
<tr>
<td>14MY BRZ (w/ Aha)</td>
<td>FA632US</td>
<td>86271CA630</td>
<td>86283CA630</td>
<td></td>
</tr>
</tbody>
</table>

**Head Unit and SD Card Combination**

Please verify that the corresponding SD Card is inserted based on the table above.

SD card must be returned with any exchange unit core.
## Overview to the Subaru SD Card Navigation System

### SD Card Navigation
- **6.1” CD/SD Memory AVN**

### DVD Navigation
- **7.0” DVD/DVD AVN**

## Summary of Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>DVD Navigation</th>
<th>SD Card Navigation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AV</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>7-inch VGA</td>
<td>6.1-inch WQVGA</td>
</tr>
<tr>
<td>Deck</td>
<td>DVD</td>
<td>CD</td>
</tr>
<tr>
<td>Traffic information</td>
<td>-</td>
<td>XM-Traffic</td>
</tr>
<tr>
<td>Satellite radio</td>
<td>Option</td>
<td>XM</td>
</tr>
<tr>
<td>iPod/iPhone control</td>
<td>Option</td>
<td>Yes</td>
</tr>
<tr>
<td>HD Radio</td>
<td>-</td>
<td>Yes *1</td>
</tr>
<tr>
<td>Aha Radio</td>
<td>-</td>
<td>Yes *2</td>
</tr>
<tr>
<td>SD Picture</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>SMS/Email read out</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Voice recognition</td>
<td>-</td>
<td>Yes (3 languages)</td>
</tr>
<tr>
<td><strong>Navi</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motorway service information</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Green route search</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>3D Junction display</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Voice recognition</td>
<td>-</td>
<td>Yes (3 languages)</td>
</tr>
<tr>
<td>Map Web download</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear view camera</td>
<td>Option</td>
<td>Option</td>
</tr>
</tbody>
</table>

*1 HD Radio service available in USA only (as of May 2013)
*2 Aha Radio is not available for 12-13MY system.
1. Introduction to the Subaru SD Card Navigation System

**Hardware**

*EJECT button*
Press to eject the DISC.

*POWER / VOL button*
Press and Release: Audio Power ON or OFF. Rotating: Adjust the volume.

*CD slot*

*(Starting from top)*

**AUDIO button**
Press to use the audio or hands-free function. Press for 1 second or more to adjust the picture quality or screen brightness.

**Voice Control button**
Press to use the voice recognition control.

**MAP button**
Press to display the navigation screen.
Screen Layout

Audio source change

Basic control of audio function

Control of navigation function

Navigation mode

Dual screen

Switching by touching icon in the screen

Full Map screen

Audio mode

Full Audio screen
1. Introduction to the Subaru SD Card Navigation System

Software

The main unit functions are:
(1) Audio
(2) Navigation
(3) Information

(1) Audio function

In addition to radio and CDs, the system can also play other sources such as iPods, iPhones, USB and Bluetooth Audio devices.
Sound quality can also be adjusted using the operation screen.

(2) Navigation function

Apart from the easy-to-view screen guides, other features offered include detailed location information displays, a variety of adjustable guide maps, and simple route changes.
Properties such as map colors can be customized as desired.

(3) Information function

In addition to display settings, other settings such as wallpapers are also possible.
Audio Functions

**HD radio, XM, Aha**

Integrated HD Radio, XM and Aha

**HD Radio, XM Tuner Control**

**XM Traffic Information**

**Aha Radio**

HD Radio service available in USA only (as of May 2013)

XM is paid service and subscription is required

Voice Control

Operate without looking away while driving

Microphone (Over Head)

Voice Control button

Talk back from vehicle speaker “voice command please”

<table>
<thead>
<tr>
<th>Voice Control function</th>
<th>Change source</th>
<th>Audio control</th>
<th>Destination search</th>
<th>Hands-free dial</th>
<th>iPod select songs</th>
<th>USB select folder</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
1. Introduction to the Subaru SD Card Navigation System

Audio Functions

**Movie**

<USB memory>
Max data size: 8GB
Class: USB mass storage class

*Compressed video file is supported for USB only.

**Read and play condition**
Max picture resolution size: 720*576 pixel
Max layers of directory: 8 layers
Max number of folders (overall): 3000
Max number of files (overall): 9999

**Video format**

<table>
<thead>
<tr>
<th>DivX</th>
<th>WMV</th>
<th>MP4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Please note that playback is dependent on the specific version of the file format.

**SD Picture**

<SD card>
Max data size: 64GB
SD card class: ALL

*Slide show supports SD card only.
*Slide show cannot be displayed while Navi Mode is active
*Some SD Cards functions above may not be supported based on SD Card manufacturer specifications.

<Features>
4 slideshow effects
Automatic resizing
Setting as Opening screen

<Read and play condition>
Format: JPEG
Max picture data size: 10MB
Max layers of directory: 8 layers
Max number of files (overall): 500

Caution:
Do not add photo data on Map SD Card. It may damage the software file. Always use a different SD card to store photo data.
Navigation Functions

3D Junction Display

When approaching an expressway exit or a complicated intersection, the map switches to a 3D display.

Voice Recognition

By using the voice control system, the destination can be set by speaking voice commands. This enables you to use functions that are usually inaccessible while driving.

Motorway

Highway service area information is useful for a long drive.

Green Route

The Green route function enables the search for routes that reduce fuel consumption and CO2 emissions.

Altitude Reading

The function shows the altitude of the road currently being driven and measured by the GPS receiver. The minimum of 4 acquired satellites is required to establish Altitude. With 3 or less acquired satellites, "- -" may be displayed on the navigation screen.
1. Introduction to the Subaru SD Card Navigation System

Other Functions

**Rear view camera (if applicable)**

**Reverse On**

**Visual guidance line**

- Check Surroundings Before Backing Up
- Center of vehicle
- 0.5m (~1.6ft) from the edge of Vehicle
- 1.0m (~3.3ft)
- 2.0m (~6.5ft)
- 3.0m (~9.8ft)

**Read out SMS/Email**

**Mobile phone**

*Bluetooth function must be enabled and phone must be paired with system.*

**Navigation**

Notification screen (received message)

Message screen

**Read out message**

**The feature will only work if your mobile phone has HFP (Hands Free Profile) and MAP (Message Access Profile).**
NAVTEQ, acquired by Nokia provides Map Update Service for SD Card Navigation System. Please visit the website and make sure which map version is currently available.

https://subaru-aus.naviextras.com/

Map Update Support:
If you can't find the answer to your question or for advice on the map inside Navigation System, please contact NAVTEQ via website or call NAVTEQ at 1-888-628-6277 Monday through Friday, 9am - 8pm Eastern Time. NAVTEQ will respond to your inquiry within 72 hours.
2. Troubleshooting

System Diagram For IMPREZA / IMPREZA STI / FORESTER

**Navigation Head Unit**

- CD
- AM/FM
- XM
- Bluetooth
- SD slot
- HD Radio
- Aha Radio

**Equipment Connections**

- GPS-ANT
- SDARS-ANT
- NTSC
- BACK Camera
- iPod
- USB JACK
- USB Audio

**Speaker Connections**

- Sound w/o H/K AMP
- Sound w/ H/K AMP

**AMP Connections**

- H/K AMP

*HD Radio service available in USA only (as of May 2013)*

*Aha Radio is not available for 12-13MY system*

The connection of each equipment is excluded.
System Diagram For BRZ

**Navigation Head Unit**

- CD
- AM/FM
- XM
- Bluetooth
- SD slot
- HD Radio
- iPod

**Audio Equipment**

- MIC
- Speaker
- D2 AMP
- GPS-ANT
- XM-ANT
- USB2.0
- USB JACK
- USB Audio
- Mini jack Adaptor

HD Radio service available in USA only (as of May 2013)

Aha Radio is not available for 13MY system

The connection of each equipment is excluded.
## 2. Troubleshooting

### Connectors and Pin Layout of the Navigation System

**Connector A (USB)**
- **1**: USV1 — OUT
  - USB audio power supply (5V)
- **2**: US1- — IN/OUT
  - USB audio data
- **3**: US1+ — IN/OUT
  - USB audio data
- **4**: UGD1 — GND
  - Ground
- **5**: USG1 — GND
  - Ground

**Connector B (REAR CAMERA)**
*Only apply to FORESTER*
- **1**: N.C.
- **2**: -
  - No connection
- **3**: PKB — IN
  - Parking brake signal (12V)
- **4**: CA+ — OUT
  - Rear view camera power supply (6V)
- **5**: V+ — IN
  - Rear view camera signal (NTSC)
- **6**: N.C.
- **7**: -
  - No connection
- **8**: CGND — GND
  - Ground
- **9**: V- — GND
  - Ground

**Connector C (GPS ANTENNA)**
- **1**: ANT — IN
  - GPS signal
- **2**: GND — GND
  - Ground
- **3**: GND — GND
  - Ground
## Connectors and Pin Layout of the Navigation System

### Connector D
**Connector D (POWER INPUT/ SIGNAL OUTPUT)**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FR+</td>
<td>OUT</td>
<td>Audio signal (Front Right)</td>
</tr>
<tr>
<td>2</td>
<td>FL+</td>
<td>OUT</td>
<td>Audio signal (Front Left)</td>
</tr>
<tr>
<td>3</td>
<td>ACC</td>
<td>IN</td>
<td>ACC power supply</td>
</tr>
<tr>
<td>4</td>
<td>BU+B</td>
<td>IN</td>
<td>Back-up power supply</td>
</tr>
<tr>
<td>5</td>
<td>FR-</td>
<td>OUT</td>
<td>Audio signal (Front Right)</td>
</tr>
<tr>
<td>6</td>
<td>FL-</td>
<td>OUT</td>
<td>Audio signal (Front Left)</td>
</tr>
<tr>
<td>7</td>
<td>GND</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>8</td>
<td>ANT+</td>
<td>OUT</td>
<td>Antenna amplifier power supply (12V)</td>
</tr>
<tr>
<td>9</td>
<td>AMP+</td>
<td>OUT</td>
<td>Amplifier signal (*only apply to BRZ)</td>
</tr>
<tr>
<td>10</td>
<td>ILL+</td>
<td>IN</td>
<td>Illumination signal (12V)</td>
</tr>
<tr>
<td>11</td>
<td>RR+</td>
<td>OUT</td>
<td>Audio signal (Rear Right)</td>
</tr>
<tr>
<td>12</td>
<td>RL+</td>
<td>OUT</td>
<td>Audio signal (Rear Left)</td>
</tr>
<tr>
<td>13</td>
<td>RR-</td>
<td>OUT</td>
<td>Audio signal (Rear Right)</td>
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<tr>
<td>14</td>
<td>SLD2</td>
<td>GND</td>
<td>Shield Ground</td>
</tr>
<tr>
<td>15</td>
<td>ILL-</td>
<td>IN</td>
<td>Illumination signal</td>
</tr>
<tr>
<td>16</td>
<td>RL-</td>
<td>OUT</td>
<td>Audio signal (Rear Left)</td>
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### Connector E
**Connector E (ST-SW, MIC etc)**

<p>| | | | |</p>
<table>
<thead>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N.C.</td>
<td>-</td>
<td>No connection</td>
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<tr>
<td>2</td>
<td>REV</td>
<td>IN</td>
<td>Reverse signal (12V)</td>
</tr>
<tr>
<td>3</td>
<td>BRIGHT</td>
<td>IN</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>MACC</td>
<td>OUT</td>
<td>Mic power supply (5V)</td>
</tr>
<tr>
<td>5</td>
<td>MIN+</td>
<td>IN</td>
<td>Mic signal</td>
</tr>
<tr>
<td>6</td>
<td>SNS2</td>
<td>IN</td>
<td>V.R. switch &amp; Mic detection</td>
</tr>
<tr>
<td>7</td>
<td>N.C.</td>
<td>-</td>
<td>No connection</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>11</td>
<td>AGND</td>
<td>GND</td>
<td>Ground for VTR detection</td>
</tr>
<tr>
<td>12</td>
<td>N.C.</td>
<td>-</td>
<td>No connection</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>SPD</td>
<td>IN</td>
<td>Vehicle speed signal</td>
</tr>
<tr>
<td>18</td>
<td>SGND</td>
<td>GND</td>
<td>Ground for Mic detection</td>
</tr>
<tr>
<td>19</td>
<td>MIN-</td>
<td>IN</td>
<td>Mic signal</td>
</tr>
<tr>
<td>20</td>
<td>N.C.</td>
<td>-</td>
<td>No connection</td>
</tr>
<tr>
<td>21</td>
<td>SW1</td>
<td>IN</td>
<td>Steering switch signal</td>
</tr>
<tr>
<td>22</td>
<td>SW2</td>
<td>IN</td>
<td>Steering switch signal</td>
</tr>
<tr>
<td>23</td>
<td>SWG</td>
<td>GND</td>
<td>Ground for Steering switch</td>
</tr>
<tr>
<td>24</td>
<td>(SW3)</td>
<td>-</td>
<td>No connection</td>
</tr>
<tr>
<td>25</td>
<td>ADPG</td>
<td>IN</td>
<td>VTR detection signal</td>
</tr>
<tr>
<td>26</td>
<td>VAR+</td>
<td>IN</td>
<td>VTR signal (Right)</td>
</tr>
<tr>
<td>27</td>
<td>VA-</td>
<td>GND</td>
<td>Ground for VTR signal</td>
</tr>
<tr>
<td>28</td>
<td>VAR-</td>
<td>IN</td>
<td>VTR signal (Left)</td>
</tr>
</tbody>
</table>
## 2. Troubleshooting

### Connectors and Pin Layout of the Navigation System

#### Connector F (RADIO ANTENNA)

<table>
<thead>
<tr>
<th></th>
<th>Pin</th>
<th>Function</th>
<th>Connector Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SUB-ANT-IN</td>
<td>IN Radio signal (Sub) (*only apply to IMPREZA / IMPREZA STI / FORESTER)</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>SUB-ANT-GND</td>
<td>IN Ground for Radio signal (Sub) (*only apply to IMPREZA / IMPREZA STI / FORESTER)</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>MAIN-ANT-IN</td>
<td>IN Radio signal (Main)</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>MAIN-ANT-GND</td>
<td>GND Ground for Radio signal (Main)</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>N.C.</td>
<td>- No connection</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Connector G (XM ANTENNA)

<table>
<thead>
<tr>
<th></th>
<th>Pin</th>
<th>Function</th>
<th>Connector Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>XM SIG</td>
<td>IN XM signal</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>XM ANT+B</td>
<td>OUT XM signal power supply</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>GND</td>
<td>GND Ground</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>GND</td>
<td>GND Ground</td>
<td>3</td>
</tr>
</tbody>
</table>
Specification of Line Diagnostics

1. Overview

Line Diagnostics can check the connectivity of equipment, car signals, receiving stations (radio) and adjust camera settings.

2. How to enter Line Diagnostic mode

2-1. Enter the Diagnostic mode

Procedure:
1. Turn off audio by pressing "PWR/VOL" button.
2. While pressing both buttons (a) and (b), press and hold the button (c) for more than 3 seconds.

2-2. Exit the diagnostic mode

Press and hold the button (a) for more than 3 seconds, or turning the ignition switch from ACC OFF to ON position.
2. Troubleshooting

Specification of Line Diagnostics

3. Display Layout and Explanation

3-1. Top Display Layout

![Line Diag Diagram]

- **No.** Connectivity Check
- **No.** Vehicle Signal Check
- **No.** Camera Setting
- **No.** Audio Check

<table>
<thead>
<tr>
<th>No</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main title [White] after check [Black] under check</td>
</tr>
<tr>
<td>2</td>
<td>Connected Devices</td>
</tr>
<tr>
<td>3</td>
<td>Results of Connectivity Check</td>
</tr>
</tbody>
</table>

3-2. Enter “Camera Setting”

If you touch “Camera Setting” button, the screen changes to “Camera Setting” mode.

![Camera Setting Diagram]

- **No.** Return to Previous Screen
- **No.** Selection of Car Type
- **No.** Initialization of Marker Line Adjustment
- **No.** Marker Line Adjustment

**Note:**
For detailed procedure to adjust the camera, refer to STIS. Please select the Service Manual and refer to the Navigation System under the Entertainment Section (ET).
3-3. Enter “Audio Check”

If you touch “Audio Check” button, the screen changes to “Audio Check” mode.

<table>
<thead>
<tr>
<th>No</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Return to Previous Screen</td>
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<tr>
<td>14</td>
<td>Selection of Radio Band (AM/FM)</td>
</tr>
<tr>
<td>15</td>
<td>Change to Receiving Frequency</td>
</tr>
<tr>
<td>16</td>
<td>Receiving Frequency</td>
</tr>
</tbody>
</table>
| 17 | Speaker Check  
[“OFF”, Black] after check  
[“ON”, R-Blue] under check |
2. Troubleshooting

NO POWER

Condition: Absolutely no power in all modes

- Check all connections at the rear of the Navigation Head Unit.
  - Securely connected?
    - Yes
      - Check ACC(12V), BU (12V) and GND. Is ACC BU and GND within Specifications?
        - Yes
          - Does Navigation unit turn ON when ACC turns ON?
            - Yes
              - Recheck for original problem.
            - No
              - Replace Navigation Head Unit.
        - No
          - Check fuses, PIN condition, continuity to GND. Repair or replace if necessary.
          - Recheck for original problem.
  - No
    - Connect Securely.

Recheck for original problem.
NO SOUND (All modes)

Condition: Absolutely no sound on all modes

No sound output for all audio sources/modes.

Is the VOLUME set to a sufficient level for the audio source to be audible?

- Yes
  - Check all speakers impedance and wire harnesses.
  - Are any physical damages, shorted or grounded conditions found?
    - Yes
      - Replace or repair it and re-check for original problem
      - Note: If speaker or wire harness is shorted or grounded, the Navigation Head Unit will shut off sound output due to circuit protection.
    - No
      - Replace Navigation Head Unit.
  - No
    - Turn up VOLUME and re-check for original problem.
Condition: No sound on Radio mode (AM/FM) only

No sound output for Radio mode.

Is the VOLUME set to a sufficient level for the audio source to be audible?

No

Turn up VOLUME and recheck for original problem.

Yes

Check if Antenna jack is securely connected to Navigation Head Unit.

Radio sound came back?

Yes

The problem was solved.

No

Remove antenna jack from Navigation Head Unit and connect a known good external antenna to Navigation Head Unit.

Radio sound restored?

Yes

Check ANT+B output power from Navigation Head Unit.
(16P connector D, #8 pin, type 12V)

Is ANT+B within specification?

Yes

Check antenna system.
Ex) Roof antenna Antenna AMP Antenna wire harness

No

Replace Navigation Head Unit.

No

Navigation Head Unit needs to be examined and/or replaced.
NO SOUND (SAT RADIO)

Condition: No sound on SAT radio mode only

No sound output for SAT (Satellite) radio

Check surroundings: Is the vehicle in an environment where reception is difficult due to something blocking the area above the vehicle?

Yes

Move the vehicle and check it again.

No

Change to other modes (AM/FM/CD) and then select a XM mode again. Did the SAT radio sound come back?

Yes

The problem was solved.

No

SAT radio is a paid service. Did the customer’s subscription expire? Or, did the free subscription provided by a dealer expire?

Yes

Contact Satellite Radio company and renew the subscription.

No

Check if Antenna jack is securely connected to Navigation Head Unit. And check the connectivity in diagnostic mode.

Is the SAT radio sound restored?

Yes

Check XM output power from Navigation Head Unit. (1P connector G, type 5V)

Is XM within specification?

Yes

Remove antenna jack from Navigation Head Unit and connect a known good external antenna to Navigation Head Unit. Is the SAT radio sound restored?

Yes

The problem was solved.

No

Check antenna system (Antenna wire harness, Roof antenna, etc.)

No

Replace Navigation Head Unit.
2. Troubleshooting

NO SOUND (CD)

Condition: No sound on CD mode only

- No sound output for CD mode.
  - Does the Navigation Head Unit accept and eject audio CD discs correctly?
    - No
    - Is there any foreign object (ex. label) in the CD slot?
      - Yes
        - Replace Navigation Head Unit
      - No
        - Is Navigation Head Unit installed properly?
          - No
            - Re-install Navigation Head Unit properly and re-check for original problem.
          - Yes
            - Navigation Head Unit cannot playback files other than CDDA/MP3/WMA. Re-check for original problem with a proper test disc.
    - Yes
      - Is CD-R/RW being used?
        - Yes
          - Are CDDA/MP3/WMA files recorded to CD-R/RW?
            - No
              - Replace Navigation Head Unit
            - Yes
              - Insert and playback a known-good, commercially available audio CD (CDDA).
        - No
          - Check to make sure that original CD-R disc is not excessively scratched/warped and re-check for original
Condition: No sound on USB mode only.

No sound output for USB mode.

Does USB memory have MP3/WMA files?

Yes → The Navigation Head Unit only playback MP3/WMA files in USB mode.

No → Check the USB connectivity in diagnostic mode.

Does the indicator display "OK"?

Yes → Reconnect USB. Does the diagnostic mode display "OK"?

No → Switch to USB mode and recheck for original problem.

Yes → Original USB drive could be defective.

No → If the USB has an LED indicator, does this indicator lamp light up when the Navigation Head Unit is connected?

Yes → Replace vehicle USB cable with a known-good one and re-check original problem.

No → Does the same issue occur?

Yes → Replace Navigation Head Unit

No → Original vehicle USB cable is defective and needs to be replaced.
2. Troubleshooting

NO SOUND (iPod)

Condition: No sound only iPod mode

Is the iPod compatible? See page 91 Q48 for a list of compatible Apple products, for the latest updates see Subaru.com.

Yes

Check the USB connectivity in diagnostic mode since iPod will be connected to USB port.

No

Does the indicator display "OK"?

Yes

Reconnect iPod cable. Does the diagnostic mode display "OK"?

No

Non supported iPod may not work.

No

Remove the iPod device and check to see if iPod works by itself.

Yes

Switch to iPod mode and re-check for original problem.

No

Examine customer's iPod.

Yes

Use a known good iPod device containing music files and re-check for original problem.

No

Replace vehicle iPod cable with a known-good one and re-check original problem. Does the same issue occur?

Yes

Original vehicle iPod cable is defective and needs to be replaced.

No

Replace Navigation Head Unit

Does iPod play without connect to Navigation Head Unit?

Yes

Does the indicator display "OK"?

No

Check the USB connectivity in diagnostic mode since iPod will be connected to USB port.

Yes

Reconnect iPod cable. Does the diagnostic mode display "OK"?

No

Non supported iPod may not work.

No

Remove the iPod device and check to see if iPod works by itself.

Yes

Switch to iPod mode and re-check for original problem.

No

Examine customer's iPod.

Yes

Use a known good iPod device containing music files and re-check for original problem.

No

Replace vehicle iPod cable with a known-good one and re-check original problem. Does the same issue occur?

Yes

Original vehicle iPod cable is defective and needs to be replaced.
CD SKIP

CD skips during playback.

Does CD skipping only occur when vehicle is in motion?

- Yes: Does CD skipping happen at the same location?
  - Yes: Check the location if road condition is good (Ex. dirt road, railroad track, road construction may cause CD skipping).
  - No: Re-install Navigation Head Unit properly and re-check for original problem.

- No: Is Navigation Head Unit installed properly?
  - Yes: Replace Navigation Head Unit.
  - No: CD being used may be excessively scratched/warped or has paper label on it. Please replace disc and re-check for original problem.

Replace CD with known-good store-bought CD.

Does the problem still occur?

- Yes: Replace Navigation Head Unit.
- No: Replace CD with known-good store-bought CD.
2. Troubleshooting

CD WON’T PLAY CORRECTLY

Condition: CD Skips, CD jumps tracks

CD won't play correctly.

Is the CD clean and free of scratches and finger prints?

No ➔ Please clean the CD and try again.

Yes ➔ Is there a paper label on the CD?

Yes ➔ Do not use CDs with a label. They may cause the disc to get stuck inside or damage the Navigation Head Unit.

No ➔ Is it a store-bought CD or CD-R/RW?

CD-R ➔ Due to different makes, CD-R/RW can sometimes cause this condition.

Store-bought ➔ Try a known good store bought CD.

Is the problem fixed?

No ➔ Replace Navigation Head Unit.

Yes ➔ CD being used may be excessively scratched/warped or data recorded is not supported. Please replace disc and re-check for original problem.
Sound output is noisy.

Is the sound noisy for Radio mode or All modes?

Radio

Is the noise heard even in area with good radio reception?

Yes

No

ALL modes

Is the noise heard only at the specific area?

Yes

No

Check antenna system

Ex) Roof antenna
Antenna AMP
Antenna wire harness

In case of the problem not fixed

Problem is caused by bad media/iPod.

Replace the media/iPod with a known-good media/iPod and re-check.

Does the problem persist?

Yes

No

Check all speakers (shorted, grounded).

All speakers are good?

Yes

No

Replace or repair speakers.

Condition: Sound poor, sound too low, sound too loud, and sound distorted

Move to an area with good reception and re-check for original problem.

Check where it happens. Mountains or tall buildings cause multi-path. Airport or power line causes radio noise.

Cell phone or other wireless device is close to Navigation Head Unit?

Yes

No

Replace Navigation Head Unit

Remove the product and re-check for original problem.

Aftermarket product is installed?

Yes

No

Replace or repair speakers.
Condition: No front panel button illumination

Front panel illumination doesn't turn ON.

Check the ILL+ signal in diagnostic mode.
Does the diagnostic display shows “ON”? 

Check ILL +B signal at Navigation Head Unit.
(16P connector D, #10 pin, type 12V when ILL is ON)
Is ILL +B within specification?

Original wire harnesses could be defective.

Navigation Head Unit needs to be examined and/or replaced.

The problem was solved.

The problem was solved.

Does the illumination turn ON?

Yes

No

Yes

No

No

Yes

Does the illumination turn ON?

Original wire harnesses could be defective.

Navigation Head Unit needs to be examined and/or replaced.

The problem was solved.

Check if the ILL+ wire harnesses is connected correctly.
Does the illumination turn ON?

Check the ILL+ signal in diagnostic mode.

Yes

No

Yes

No

No

Yes

The problem was solved.
Condition: No display, no screen backlight

Display does not show images on screen.

Press the MAP button on the Navigation Head Unit.
Does the LCD light up?

Yes → Problem solved.

No → Replace Navigation Head Unit
2. Troubleshooting

CURRENT GPS POSITION DOES NOT MOVE

Condition: Vehicle position icon inaccurate, Vehicle position icon doesn’t move

Current GPS position on map doesn't move even though vehicle is in motion.

Drive vehicle in an open area with no obstructions (buildings, hills, structures).

Does the current position icon move in accordance with the vehicle’s movement?

Yes

Problem could be related to poor GPS reception due to driving in a tunnel/area with obstructive objects.

No

Is any aftermarket electrical device installed?

Yes

Remove or disconnect it and recheck for the original problem.

No

Check the GPS connectivity in diagnostic mode.

Does the indicator display "OK"?

Yes

Replace Navigation Head Unit

No

GPS antenna connection or GPS antenna may be incorrect/faulty.
Condition: Bluetooth device will not pair to the system

Gather following Information from customer; Service provider, phone manufacturer and model

Is Bluetooth device compatible? Refer to: www.subaru.com/

Yes

On your device, is the B/T function turned ON?

Yes

Try another Bluetooth device.

No

Can another Bluetooth device be connected?

Yes

Try pairing several time.

No

Can another Bluetooth device be connected?

The customer’s phone may be the cause of the issue.

No

Replace Navigation Head Unit

Yes

No

Did this solve the problem?

Turn ON the B/T function on your device first. Check the device user manual for information on this procedure.

The problem was solved.

Note: Because of the nature of Bluetooth, and the differences in implementation across Bluetooth device manufacturers, sometimes it may take a few attempts to complete the initial pairing procedure.

Note: Bluetooth devices that are not listed on Subaru web may not pair to the system. This does not mean that the unlisted Bluetooth device are incompatible, but that they simply have not been verified.
Condition: Rear View video not shown

Rear view camera won't display or gets a noise in the display.

Press the MAP button on the Navigation Head Unit. Did the map display clear view?

When the vehicle is in reverse, does the map change to other view?

Check the REV connectivity in diagnostic mode.

When reverse gear is selected, does REV show “ON”?

Check the reverse harness or vehicle side condition.

Check CA + signal at Navigation Head Unit.
(16P connector B, #7 pin, type 6V when reverse gear is ON)

Is CA + within specification?

Check CA+ at camera.
Is CA+ within specification?

Check the rear view camera and re-connect. And check the connectivity in diagnostic mode. If it will not restored, rear view camera needs to be examined and/or replaced.

Replace Navigation Head Unit

Check the rear view camera and re-connect. If it will not restored, rear view camera needs to be examined and/or replaced.
AHA RADIO - Caution Message (1)

Caution Message:

Please make sure the Aha app is running on your mobile device.

Symptoms:

- Aha application shuts down by itself
- Unable to enter Aha Mode

Note:
Aha Radio is not available for 12-13MY system

Is the latest Aha application properly installed on Smartphone?

Yes

Reconnect Smartphone to Unit via Bluetooth (Android base) or USB (iPhone).

Is the problem fixed?

Yes

Reinstall the latest Aha application on Smartphone

No / Unknown

No

Turn OFF and ON Smartphone and open Aha application on Smartphone. Then, select Aha Mode on Unit.

Is the problem fixed?

Yes

The problem was solved.

No

Replace Navigation Head Unit.
2. Troubleshooting
AHA RADIO - Caution Message (2)

Caution Message:
Please update your Aha application.

Symptom:
Unable to enter Aha Mode

Note:
Aha Radio is not available for 12-13MY system
Unable to enter Aha Mode on vehicle Navigation Head Unit

Caution Message:
Please reconnect mobile device.

Symptom:
Unable to enter Aha Mode on vehicle Navigation Head Unit

Disconnect Unit-Smartphone communication and reconnect Smartphone.
Is the problem fixed?

Yes

No

Turn OFF and ON Smartphone and open Aha application on Smartphone.
Is the problem fixed?

Yes

No

Replace Navigation Head Unit.

Note:
Aha Radio is not available for 12-13MY system
Caution Message:

**Poor wireless reception.**

**Symptoms:**
- Programs are not played on vehicle Navigation Head Unit
- Images are not shown on vehicle Navigation Head Unit

**Move vehicle to an area where Smartphone has better reception.**

Is the problem fixed? [Yes] [No]

If no, wait for about 10 minutes and try again.

Is the problem fixed? [Yes] [No]

If no, contact Aha USA.

**Note:**
- Aha Radio is not available for 12-13MY system
Caution Message:

**Entry not recognized.**

Symptom:

All Aha Mode functions on vehicle Navigation Head Unit do not work

1. Turn OFF and ON Smartphone and open Aha application on Smartphone.
   - Is the problem fixed?
     - Yes: The problem was solved.
     - No: Disconnect Unit-Smartphone communication and try the same function(s) on Smartphone.
   - Does the function(s) work on Smartphone?
     - Yes: Replace Navigation Head Unit.
     - No: Contact Aha USA

Note: Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (6)

Caution Message:

Please login to the Aha app on the mobile device.

Symptom:

Unable to enter Aha Mode on vehicle Navigation Head Unit

Login into the Aha application on Smartphone.

Is the problem fixed?

Yes

The problem was solved.

No

Wait for about 10 minutes and try again.

Is the problem fixed?

Yes

The problem was solved.

No

Contact Aha USA

Note:
Aha Radio is not available for 12-13MY system
Caution Message:

The station list cannot be acquired.

Symptom:

Aha Radio Station List is not shown on vehicle Navigation Head Unit

Turn OFF and ON Smartphone and open Aha application on Smartphone.

Is the problem fixed?

Yes

The problem was solved.

No

Disconnect Unit-Smartphone communication and try the same function on Smartphone.

Does the function work on Smartphone?

Yes

Replace Navigation Head Unit.

No

Contact Aha USA

Note:
Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (8)

Caution Message:

The content cannot be acquired.

Symptom:

Aha Radio Content is not shown on vehicle Navigation Head Unit

Press (Refresh button) on Unit.

Is the problem fixed?

Yes

No

Turn OFF and ON Smartphone and open Aha application on Smartphone.

Is the problem fixed?

Yes

No

Disconnect Unit-Smartphone communication and try the same function on Smartphone.

Does the function work on Smartphone?

Yes

No

Contact Aha USA

Note: Aha Radio is not available for 12-13MY system.
Caution Message:

**Information acquisition error.**

Symptom:

Aha Radio Icons or Logos are not shown on vehicle Navigation Head Unit

1. Return to Station List and select the same station again.
   - Is the problem fixed? Yes
   - No

2. Wait for about 10 minutes and try again.
   - Is the problem fixed? Yes
   - No

3. Turn OFF and ON Smartphone and open Aha application on Smartphone.
   - Is the problem fixed? Yes
   - No

4. Disconnect Unit-Smartphone communication and try the same function on Smartphone.
   - Does the function work on Smartphone? Yes
   - No

5. Contact Aha USA

Note: Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (10)

Caution Message:

**Action not available.**

Note: Aha Radio is not available for 12-13MY system

Symptom:

- All Aha Mode functions do not work on vehicle Navigation Head Unit
- Forward/Reverse functions do not work on vehicle Navigation Head Unit

Wait for about 10 minutes and try again.

Is the problem fixed?

Yes

The problem was solved.

No

Turn OFF and ON Smartphone and open Aha application on Smartphone.

Is the problem fixed?

Yes

The problem was solved.

No

Disconnect Unit-Smartphone communication and try the same function on Smartphone.

Does the function work on Smartphone?

Yes

Replace Navigation Head Unit.

No

Contact Aha USA
AHA RADIO - Caution Message (11)

Caution Message:

**Aha Server Error - Please check connection or reception.**

Symptom:

Aha Radio content cannot be played on vehicle Navigation Head Unit

Move vehicle to an area where Smartphone has better reception.

Is the problem fixed?

No

Wait for about 10 minutes and try again.

Is the problem fixed?

No

Contact Aha USA

Yes

The problem was solved.

Note:
Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (12)

Caution Message:

**Aha Server Down - Please try again later.**

Note: Aha Radio is not available for 12-13MY system

Symptom:

Aha Radio content cannot be played on vehicle Navigation Head Unit

Wait for about 10 minutes and try again.

Is the problem fixed?

Yes

The problem was solved.

No

Contact Aha USA

The problem was solved.
Caution Message: Aha Station Contents Not Available - Please Try Again Later.

Symptom: Aha Radio content cannot be played on vehicle Navigation Head Unit.

- Move vehicle to an area where Smartphone has better reception.
  - Is the problem fixed? Yes → The problem was solved.
  - Is the problem fixed? No → Turn OFF and ON Smartphone and open Aha application on Smartphone.
    - Is the problem fixed? Yes → The problem was solved.
    - Is the problem fixed? No → Disconnect Unit-Smartphone communication and try the same function on Smartphone.
      - Does the function work on Smartphone? Yes → The problem was solved.
      - Does the function work on Smartphone? No → Contact Aha USA.

Note: Aha Radio is not available for 12-13MY system.

Symptom: Aha Radio content cannot be played on vehicle Navigation Head Unit

- Move vehicle to an area where Smartphone has better reception.
  - Is the problem fixed? Yes
    - The problem was solved.
  - Is the problem fixed? No
    - Wait for about 10 minutes and try again.
      - Is the problem fixed? Yes
        - The problem was solved.
      - Is the problem fixed? No
        - Turn OFF and ON Smartphone and open Aha application on Smartphone. Then, select Aha Mode on Unit.
          - Is the problem fixed? Yes
            - The problem was solved.
          - Is the problem fixed? No
            - Contact Aha USA

Note: Aha Radio is not available for 12-13MY system
Map is not updated when pressing “Map Update” button of Aha Radio on vehicle Navigation Head Unit

Symptom:
Map Update Button

Move vehicle to an area where Smartphone has better reception.

Is the problem fixed?
Yes

No
Wait for about 10 minutes and try again.

Is the problem fixed?
Yes

No
Turn OFF and ON Smartphone and open Aha application on Smartphone.

Is the problem fixed?
Yes

No
Disconnect Unit-Smartphone communication and try the same function on Smartphone.

Does the function work on Smartphone?
Yes

No
Replace Navigation Head Unit.

Contact Aha USA

Note:
Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (16)

Caution Message:

Please select the type of connection in 'Aha Radio Setting'.

Condition:

Android device is connected via Bluetooth and iPhone (iOS) is connected via USB

Select the appropriate setting from the two connections available on Aha Radio Setting screen.

Is the problem fixed?

Yes

The problem was solved.

No

Replace Navigation Head Unit.

How to change “Aha Radio Setting”:

1. Press “INFO” and select “Settings”

2. Select “iOS” or “Bluetooth”

Note:
Aha Radio is not available for 12-13MY system
AHA RADIO - Caution Message (17)

Caution Message:

To use this function, you must agree to the terms and condition on the 'caution' screen.

Symptom:

Map is not shown when pressing button

Press “MAP” button on Navigation Head Unit and press “Accept” on the display.

Is the problem fixed?

Yes

The problem was solved.

No

Replace Navigation Head Unit.

Note:
Aha Radio is not available for 12-13MY system
Caution Message:

'Aha Radio Setting' change failed. Please try again later.

Symptom:

Aha Radio Setting on vehicle Navigation Head Unit cannot be changed

How to change “Aha Radio Setting”:

1. Press “INFO” and select “Settings”
2. Select “iOS” or “Bluetooth”

Wait for about 10 minutes and try again.

Is the problem fixed?

Yes

No

Disconnect and reconnect Unit-Smartphone communication and try again.

Is the problem fixed?

Yes

No

Replace Navigation Head Unit.

Note:
Aha Radio is not available for 12-13MY system
Caution Message:

External device has been connected. Voice recognition mode off.

Symptom:

Voice Recognition Mode has turned OFF by itself

Wait for about 10 minutes and try again.

Is the problem fixed?

The problem was solved.

No

Turn OFF and ON Smartphone and open Aha application on Smartphone. Then, press “Voice Recognition” button on Steering Wheel.

Is the problem fixed?

The problem was solved.

No

Replace Navigation Head Unit.

Note: Aha Radio is not available for 12-13MY system
2. Troubleshooting

AHA RADIO - Caution Message (20)

Caution Message:

Connection with Aha app is not completed. Please try again later.

Symptom:

Voice Recognition Mode does not work for Aha Radio

Wait for about 10 minutes and try again.

Is the problem fixed?

Yes

The problem was solved.

No

Turn OFF and ON Smartphone and open Aha application on Smartphone. Then, press “Voice Recognition” button on Steering Wheel.

Is the problem fixed?

Yes

The problem was solved.

No

Replace Navigation Head Unit.

Note:
Aha Radio is not available for 12-13MY system
3. Supplemental Information

Subaru Technical Service Bulletins

Outline

The following is a list of Subaru Technical Service Bulletins (TSB) that may contain additional helpful information.

TSB No: 15-155-12
TSB No: 15-158-12
### 3. FAQ

#### Navigation

<table>
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<th>Q1</th>
<th>How can I eject the SD card?</th>
</tr>
</thead>
</table>
| A1 | **1.** Press `AUDI`.  
**2.** Touch `Info`.  
- If `Info` is not displayed, touch `V`.  
**3.** Touch `SD Eject` (SD Eject). |
|    | **4.** After checking the caution screen, touch `Yes` (Yes).  
- This screen does not appear if the card is not the specified SD memory card. |
|    | **5.** When “Please eject SD card.” appears, remove the SD memory card.  
- Press in the SD memory card until you hear it “click”, let go of the card, and then pull it straight out. |

<table>
<thead>
<tr>
<th>Q2</th>
<th>What if I eject the MAP SD card while using the Navigation system?</th>
</tr>
</thead>
</table>
| A2 | You can corrupt the MAP data file and navigation system may stop working.  
Please do not eject the MAP SD card while navigating. |

<table>
<thead>
<tr>
<th>Q3</th>
<th>How do I know if my Navigation unit is receiving GPS signals?</th>
</tr>
</thead>
</table>
| A3 | **1.** Touch “Menu” on MAP screen  
2. GPS signal is shown on top right corner of the display. Signal strength is indicated by the number of dot. More dots, stronger GPS reception. |
### Navigation

<table>
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<th>How can I adjust the contrast and brightness of the screen?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>1. Press [AUD] for 1 second or more. &lt;br&gt;2. After completing the adjustment, touch [Done].</td>
</tr>
</tbody>
</table>

![Screen Adjustment](image1)

<table>
<thead>
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<th>How can I change the language for Display and Voice Recognition?</th>
</tr>
</thead>
</table>

![Language Selection](image2)

<table>
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<th>Q6</th>
<th>My navigation voice guidance volume is too low. How can I adjust the volume?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A6</td>
<td>1. Touch [ ] on MAP screen &lt;br&gt;2. Adjust the volume with the slider</td>
</tr>
</tbody>
</table>

![Volume Adjustment](image3)
### 3. FAQ

#### Navigation

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</thead>
</table>
| A7 | Yes.  
1. Set your destination  
2. Touch “Menu” on MAP screen  
3. Touch “My Route”  
4. Touch “More”  
5. Scroll down the list and touch “Simulate Navigation” |

![Map Screen with SIMulate Navigation](image)

<table>
<thead>
<tr>
<th>Q8</th>
<th>I live in the high elevation area, does the unit provide altitude information?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A8</td>
<td>Yes. The altitude is measured using GPS signals and displayed at the bottom right corner of the display.</td>
</tr>
</tbody>
</table>

![Map Screen with altitude](image)

<table>
<thead>
<tr>
<th>Q9</th>
<th>What is the “data field” on the MAP screen and can I customize the “data field”?</th>
</tr>
</thead>
</table>
| A9 | The data field provides you the information of current time, altitude of your location, distance to the destination, time left to the destination and estimated arrival time. The information in the data field can be customized by touching and holding the “data field” area.  
You can select up to 3 data field from below:  
- Time  
- Altitude  
- Distance  
- Time Left  
- Arrival Time  
Distance, Time Left and Arrival Time are available only when the destination is set.
  
Altitude:  
The minimum of 4 acquired satellites is required to establish Altitude. With 3 or less acquired satellites, “--” may be displayed on the navigation screen. |

![Map Screen with data field](image)

“data field” area
<table>
<thead>
<tr>
<th>Q10</th>
<th>What types of MAP views are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10</td>
<td>Three types of MAP views are available (2D North Up, 2D Heading Up and 3D) How to change the MAP view.</td>
</tr>
<tr>
<td></td>
<td>1. Touch “Menu” on MAP screen</td>
</tr>
<tr>
<td></td>
<td>2. Touch “More…”</td>
</tr>
<tr>
<td></td>
<td>3. Touch “Settings”</td>
</tr>
<tr>
<td></td>
<td>4. Scroll down and touch “MAP Settings”</td>
</tr>
<tr>
<td></td>
<td>5. Touch “View Mode”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q11</th>
<th>How can I set my home as a destination?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A11</td>
<td>1. Touch “Menu” on MAP screen</td>
</tr>
<tr>
<td></td>
<td>2. Touch “Find”</td>
</tr>
<tr>
<td></td>
<td>3. Touch “Find Address”</td>
</tr>
<tr>
<td></td>
<td>4. Enter “State”, “City”, “Street” and “House Number” of home address and touch “Done”</td>
</tr>
<tr>
<td></td>
<td>5. Touch “More”</td>
</tr>
<tr>
<td></td>
<td>6. Touch “Add to Favorites”</td>
</tr>
<tr>
<td></td>
<td>7. Enter “HOME” using keyboard and touch “Done”</td>
</tr>
</tbody>
</table>

Note: Your HOME is registered under “Favorites” Please confirm if your Home is in Favorites. |
| 1. Touch on Map screen |
| 2. Touch “Favorites” |
### 3. FAQ

#### Navigation

<table>
<thead>
<tr>
<th>Q12</th>
<th>I want to use the Navigation system to go back to home. How can I do?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A12</td>
<td>Please make sure your home has been added to the “Favorites.” If not, refer to Question 11.</td>
</tr>
</tbody>
</table>

If your home is set to the “Favorites”, follow the procedure below.

1. Press “MAP”
2. Touch “Menu” on MAP screen
3. Touch “Find”
4. Touch “Favorites”
5. Touch “HOME”
6. Touch “Next”
7. Touch “Go”

<table>
<thead>
<tr>
<th>Q13</th>
<th>What is the Quick Menu?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A13</td>
<td>Frequently used buttons and functions during navigation operation are displayed on the Quick Menu and you can customize the buttons in the Quick Menu.</td>
</tr>
</tbody>
</table>

**How to open the Quick Menu.**
1. Touch on MAP screen

![Quick Menu](image)

**How to customize the Quick Menu**
1. Press “MAP”
2. Touch “Menu” on MAP screen
3. Touch “More…”
4. Touch “Settings”
5. Touch “Customize Quick Menu”

<table>
<thead>
<tr>
<th>Q14</th>
<th>Can I access the “Quick Menu” while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A14</td>
<td>Yes.</td>
</tr>
</tbody>
</table>
### Navigation

<table>
<thead>
<tr>
<th>Q15</th>
<th>What is the “Route Planning Methods”?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15</td>
<td>“Route Planning Methods” provide you options to search the route to the destinations.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q16</th>
<th>What “Route Planning Methods” are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A16</td>
<td>4 Route Planning Methods are available (Fast, Green, Short and Easy).</td>
</tr>
</tbody>
</table>

- **Fast** (Fast): Searches all roads for the quickest route following the speed limits of the roads.
- **Green** (Green): Searches for the route that conserves the most energy, taking into account the merits of “Fast” and “Short”.
- **Short** (Short): Searches for the shortest distance in all possible routes.
- **Easy** (Easy): Searches for a route that is easiest to drive, with few right and left turns. Using this option, the program allows you to avoid combinations of smaller roads and to take the expressway.
### 3. FAQ

#### Navigation

<table>
<thead>
<tr>
<th>Q17</th>
<th>How can I choose a “Route Planning Method” (Fast, Green, Short and Easy)?</th>
</tr>
</thead>
</table>
| A17 | 1. Touch “Menu” on MAP screen  
2. Touch “More”  
3. Touch “Settings”  
4. Touch “Route Settings”  
5. Touch “Route Planning Method”  
6. Select one from “Fast” “Green” “Short” and “Easy” |

<table>
<thead>
<tr>
<th>Q18</th>
<th>How can I find my current location/position?</th>
</tr>
</thead>
</table>
| A18 | 1. Touch ![Map Screen](image1.png) on MAP screen  
2. Touch “Where Am I?” ![Where Am I?](image2.png) |

Where Am I?
# Navigation

<table>
<thead>
<tr>
<th>Q19</th>
<th>How can I locate emergency services (Hospital, Police etc) near me?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A19</td>
<td>1. Touch on MAP screen</td>
</tr>
<tr>
<td></td>
<td>2. Touch “Where Am I?”</td>
</tr>
<tr>
<td></td>
<td>3. Touch “Help Nearby”</td>
</tr>
<tr>
<td></td>
<td>4. Select one of categories</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q20</th>
<th>What kind of navigation methods are available to the destination?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A20</td>
<td>Address, Places (POI), Map, Favorites and History.</td>
</tr>
</tbody>
</table>
## 3. FAQ
### Navigation

<table>
<thead>
<tr>
<th>Q21</th>
<th>How can I change “Route Planning Method” while entering the destination?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A21</td>
<td>1. Touch “More” before touching “Go!”</td>
</tr>
<tr>
<td></td>
<td>2. Touch “Route Alternatives”</td>
</tr>
<tr>
<td></td>
<td>3. Select one from “Route Alternatives”</td>
</tr>
</tbody>
</table>

1. Touch “More” before touching “Go!”
2. Touch “Route Alternatives”
3. Select one from “Route Alternatives”

<table>
<thead>
<tr>
<th>Q22</th>
<th>How can I change my destination while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A22</td>
<td>While driving, the destination can be changed by using the Voice control function.</td>
</tr>
<tr>
<td></td>
<td>1. Press “Voice Control Button” either on the unit or steering control</td>
</tr>
<tr>
<td></td>
<td>2. Say “Navigation”</td>
</tr>
<tr>
<td></td>
<td>3. Say “Find”</td>
</tr>
<tr>
<td></td>
<td>New destination can be set by Address, Places, Favorites or History and then continuously follow the voice control guidance.</td>
</tr>
</tbody>
</table>
### Navigation

<table>
<thead>
<tr>
<th>Q23</th>
<th>How can I find a “POI” by category?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A23</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>If the Map screen is displayed, touch <strong>Menu</strong> (Menu) to return to the navigation menu.</td>
</tr>
<tr>
<td>2</td>
<td>On the navigation menu, touch <strong>Find</strong> (Find).</td>
</tr>
<tr>
<td>3</td>
<td>Touch <strong>Find Places</strong> (Find Places).</td>
</tr>
<tr>
<td>4</td>
<td>Touch <strong>Custom Search</strong> (Custom Search).</td>
</tr>
<tr>
<td>5</td>
<td>Select the spot area you want to search for as follows.</td>
</tr>
<tr>
<td></td>
<td>• Touch <strong>Around Here</strong> (Around Here) or <strong>Around Last Known Position</strong> (Around Last Known Position) to search around your current position, or the latest confirmed position.</td>
</tr>
<tr>
<td></td>
<td>• Touch <strong>In a City</strong> (In a City) to search for city/town spots.</td>
</tr>
<tr>
<td></td>
<td>• Touch <strong>Around Destination</strong> (Around Destination) to search for spots at the destination during route navigation.</td>
</tr>
<tr>
<td></td>
<td>• Touch <strong>Along Route</strong> (Along Route) to search along the route being navigated, rather than around an optional point. This is useful when you want to search for a gas station or restaurant and so on along the route taking the smallest detour to get there.</td>
</tr>
<tr>
<td>6</td>
<td>Select one of Categories.</td>
</tr>
</tbody>
</table>
### 3. FAQ

**Navigation**

<table>
<thead>
<tr>
<th>Q24</th>
<th>How many “POI” categories are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A24</td>
<td>18 categories are available. (Accommodation, Airport, Automotive, Business, Café or Bar, Community, Favorites, Finance, Gas Station, Leisure, Marine, Medical, Parking, Restaurant, Shopping, Sports, Transport and Truck)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q25</th>
<th>How can I cancel my destination?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A25</td>
<td>1. Touch  on MAP screen 2. Touch “Cancel Route”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q26</th>
<th>How do I delete the History of destination (previous destination)?</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Q27</th>
<th>How can I add a destination to “Favorites”?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q28</td>
<td>How can I rename a “Favorite”?</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>A28</td>
<td>1. Touch 🗺️ on MAP screen</td>
</tr>
<tr>
<td></td>
<td>2. Touch “Favorites”</td>
</tr>
<tr>
<td></td>
<td>3. Select one you want to change the name</td>
</tr>
<tr>
<td></td>
<td>4. Touch 📝</td>
</tr>
<tr>
<td></td>
<td>5. Touch “More”</td>
</tr>
<tr>
<td></td>
<td>6. Touch “Rename Favorite”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q29</th>
<th>Can I set the destination by Voice Control while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A29</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q30</th>
<th>How can I access previously used destinations?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A30</td>
<td>1. Touch “Menu” on MAP screen</td>
</tr>
<tr>
<td></td>
<td>2. Touch “Find”</td>
</tr>
<tr>
<td></td>
<td>3. Touch “History”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q31</th>
<th>How can I see the entire trip route?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A31</td>
<td>1. Touch 🗺️ (Menu) on the Map screen.</td>
</tr>
<tr>
<td></td>
<td>2. Touch 🛡️ (My Route) on the navigation</td>
</tr>
<tr>
<td></td>
<td>3. Touch 🗺️ (Overview). The entire route currently being navigated is displayed on the map along with detailed information and buttons.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Navigation

<table>
<thead>
<tr>
<th>Q32</th>
<th>What maps are pre-loaded in the MAP SD card?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A32</td>
<td>US (50 states, District of Columbia &amp; Puerto Rico), Canada (13 Provinces).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q33</th>
<th>Does the route guidance consider traffic conditions?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A33</td>
<td>Yes. Real time traffic information is provided by XM Traffic with XM subscription.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q34</th>
<th>How do I change the language for Voice Guidance?</th>
</tr>
</thead>
</table>
| A34 | 1. Touch “Menu” on MAP screen  
2. Touch “More…”  
3. Touch “Settings”  
4. Touch “Sound and Warnings”  
5. Touch “Voice Language”  
6. Select one language |

<table>
<thead>
<tr>
<th>Q35</th>
<th>Can I use the Navigation while the MAP SD card is removed?</th>
</tr>
</thead>
</table>
| A35 | No, as navigation information is stored in the MAP SD card.  
But after the MAP is displayed on screen, you can use the Navigation without the MAP SD card until ACC turns OFF. |

<table>
<thead>
<tr>
<th>Q36</th>
<th>Why does the Altitude reading show “--”?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A36</td>
<td>The function shows the altitude of the road currently being driven and measured by the GPS receiver. The minimum of 4 acquired satellites is required to establish Altitude. With 3 or less acquired satellites, &quot;--&quot; may be displayed on the navigation screen.</td>
</tr>
</tbody>
</table>
Q37 | How can we get detailed GPS information?
---|---
A37 | GPS Info can be set on Quick Menu. Frequently used buttons and functions used during navigation can be selected and displayed on Quick Menu.

Set GPS Info on Quick Menu:

1. Touch “Menu”
2. Touch “More”
3. Touch “Settings”
4. Touch "Customize Quick Menu"
5. Select and touch unnecessary item
6. Select “GPA Info”
7. Now “GPS Info” is added on Quick Menu

Open GPS Info:

1. Press “MAP” on the unit
2. Touch the Quick Menu icon
3. Touch “GPS Info”

GPS Information Screen

- Number of satellites currently acquired (positioned)
- Satellite conditions
  - **Green** = Good reception
  - **Red** = Poor reception
- Satellite number

Note: 4 or more satellites are needed for 3D positioning.
## 3. FAQ

### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q1</th>
<th>Which Bluetooth phones are compatible with the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>A phone compatibility list is available at Subaru Website. <a href="http://www.subaru.com/engineering/multimedia-electronics.html">http://www.subaru.com/engineering/multimedia-electronics.html</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q2</th>
<th>What should I do first to use the Bluetooth hands-free function with the Navigation unit? How can I register my phone to the Navigation unit?</th>
</tr>
</thead>
</table>
| A2 | 1. Check if your phone is compatible with Navigation unit from Subaru Website at http://www.subaru.com/engineering/multimedia-electronics.html  
2. Register your phone to the Navigation unit by following procedure below |

1. **Press **

2. Touch **

   - If ** is not displayed, touch **

3. Touch **

4. Touch ** (Registered Devices)  

5. Touch ** (Add New).

6. Operate the cell phone to enter the passcode (passkey) of the unit.  
   - The name of the unit is CAR MULTIMEDIA.  
   - The initial setting for the passcode (passkey) is 0000.  
   - Operate the cell phone while the Registered Devices screen is displayed.  

   **<Registered Devices screen>**

7. When the registration is complete, “Connection Completed” appears.  
   - The cell phone registration is complete.

**NOTE**

- If the registration fails, “Connection failed” appears on the screen. If this happens, perform the registration operation again.  
- For details of operations on the cell phone, see the cell phone’s instruction manual.  
- When processing a Bluetooth connection, the Bluetooth Audio may skip.
<table>
<thead>
<tr>
<th>Q3</th>
<th>How many cell phones can be registered to the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Up to 5 phones.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q4</th>
<th>When multiple phones are registered to the Navigation unit, which phone will be connected first when the Navigation unit turns ON?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>The order of connection precedence is 1 to 5.</td>
</tr>
</tbody>
</table>

The system tries to connect to the first registered phone. If the first registered phone is not present or phone Bluetooth is disabled, the second phone will be connected. If the second phone is not present or it's Bluetooth is disabled, the third phone will be connected.

<table>
<thead>
<tr>
<th>Q5</th>
<th>What Bluetooth Specifications and Profiles are supported by the Navigation unit?</th>
</tr>
</thead>
</table>
| A5 | • **Supported Bluetooth Specifications**  
  - Bluetooth Specification Ver. 1.1 or higher (Ver. 2.0 + EDR or higher is recommended)  
  • **Supported Profiles**  
  - HFP (Hands Free Profile) Ver. 1.0  
  - OPP (Object Push Profile) Ver. 1.1  
  - DUN (Dial-up Networking Profile) Ver. 1.1  
  - SYNC (Synchronization Profile)  
  - PBAP (Phone Book Access Profile)  
  - MAP (Message Access Profile) |
### 3. FAQ

#### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q6</th>
<th>How can I find out the signal strength level of my Bluetooth phone with the unit?</th>
</tr>
</thead>
</table>
| A6 | ![Bluetooth signal icon](image)  
(1) Bluetooth signal icon  
(2) Battery level indicator  
(3) Roaming area icon  
(4) Reception indicator |

#### Bluetooth signal quality icon
Displays the Bluetooth connection status of a cell phone.
- When a Bluetooth connection is established, and reception level are displayed.

**NOTE**
- A Bluetooth communication antenna is embedded in the car display.
- If a Bluetooth-enabled cell phone is used in the following locations or conditions, the Bluetooth connection status display may turn gray or Bluetooth connection may not be possible.
  - When the cell phone is hidden from the display (when the cell phone is behind or under a seat or in the glove box or console box).
  - When the cell phone is touching or covered by a metal object.
  - To use a Bluetooth-enabled cell phone, move the phone to a location where the blue display appears.
  - When setting the cell phone to power saving mode, the Bluetooth connection may be automatically disconnected. If this happens, switch off the power saving mode of the cell phone.

<table>
<thead>
<tr>
<th>Q7</th>
<th>How can I open the hands-free call screen?</th>
</tr>
</thead>
</table>
| A7 | 1 Press **ALC**.  
2 Touch **Phone** (Phone).  
- The handsfree screen appears.  
<br/><br/>![Handsfree screen](image) |
# Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q8</th>
<th>When multiple phones are registered to the Navigation unit, how do I know which phone has been connected when the Navigation unit turns ON?</th>
</tr>
</thead>
</table>
| A8 | **1** On the handsfree screen, touch **Settings** (Settings).  
 | | ![Image](image1.png)  
 | | **2** Touch **Connection** (Connection).  
 | | ![Image](image2.png)  
 | | **3** The Bluetooth mark is displayed for cell phones with an active Bluetooth connection.  
 | | ![Image](image3.png)  
 | | **4** Touch **Connect** (Connect).  
 | | ![Image](image4.png)  
 | | **5** When the connection is complete, “Connection Completed” appears.  
 | | ![Image](image5.png) |

<table>
<thead>
<tr>
<th>Q9</th>
<th>How can I select my phone if another phone has been connected when the Navigation unit turns ON?</th>
</tr>
</thead>
</table>
| A9 | **1** On the handsfree screen, touch **Settings** (Settings).  
 | | ![Image](image6.png)  
 | | **3** Select the cell phone that you want to connect.  
 | | - The Bluetooth mark is displayed for cell phones with an active Bluetooth connection.  
 | | ![Image](image7.png)  
 | | **4** Touch **Connect** (Connect).  
 | | ![Image](image8.png)  
 | | **5** When the connection is complete, “Connection Completed” appears.  
 | | ![Image](image9.png) |
### 3. FAQ

**Bluetooth Hands-free**

<table>
<thead>
<tr>
<th>Q10</th>
<th>What methods are available to make a call?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A10</td>
<td>You can make a call&lt;br&gt;• By entering a phone number&lt;br&gt;• From call history (Outgoing Calls &amp; Incoming Calls)&lt;br&gt;• From Phonebook&lt;br&gt;• From Speed Dial</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q11</th>
<th>How many “Outgoing and Incoming Call Histories” are stored to Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A11</td>
<td>The incoming and outgoing call histories can each store 10 calls for each registered cell phone. In the incoming call history, 5 missed calls and 5 other calls can be stored. When 10 calls are stored (5 missed incoming calls and 5 other calls), the oldest call is deleted from the history at the next call.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q12</th>
<th>How can I transfer my phone book to the Navigation unit?</th>
</tr>
</thead>
</table>
| A12 | After the registration is completed, “Do you want to transfer the phone book from your mobile?” appears and then, touch “Yes”

or

1. On the handsfree screen, touch **Contacts** (Contacts).

2. Touch **Phone book** (Phone book).

3. Touch **Data Transfer** (Data Transfer).

4. When the phone book transfer screen appears, operate the cell phone to transfer the phone book data.<br>   • Perform the transfer operation on the cell phone while the phone book transfer screen is displayed.<br>   • When the transfer is in progress, wait until the transfer completed message appears.<br>   • When the transfer is complete, the transfer completed message appears.
### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q13</th>
<th>How many phone contacts can be transferred to the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A13</td>
<td>Up to 1000 persons can be transferred for each registered phone.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q14</th>
<th>During phonebook transfer what happens if more than 5 numbers are registered to one person in the phone book of the cell phone?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A14</td>
<td>The top 4 numbers will be transferred to the unit in the order of “Mobile”, “Home”, “Work”, and “Other.”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q15</th>
<th>How can I delete my phone that was registered to the Navigation unit?</th>
</tr>
</thead>
</table>
    2. Touch `Info`.  
      - If `Info` is not displayed, touch `V`.  
    3. Touch `Bluetooth`.  
    4. Touch `Registered Devices` (Registered Devices).  
    5. Select the cell phone that you want to delete.  
    6. Touch `Delete` (Delete).  
      - “Are you sure to delete the entry?” appears on the screen. Touch `Yes` (Yes) or `No` (No).  
      - After touching “Yes”, when the deletion is complete, “Completed” appears.  
      - The cell phone deletion is complete.  

**NOTE**  
When a cell phone registration is deleted, the outgoing call history, incoming call history and phone book data that are saved in the unit are also deleted.
## 3. FAQ

### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q16</th>
<th>How can I delete all phone contacts from the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A16</td>
<td>1. On the handsfree screen, touch Contacts (Contacts).</td>
</tr>
<tr>
<td></td>
<td>2. Touch Phone book (Phone book).</td>
</tr>
<tr>
<td></td>
<td>3. Touch “Delete All”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q17</th>
<th>How can I delete a single phone contact from the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A17</td>
<td>1. On the handsfree screen, touch Contacts (Contacts).</td>
</tr>
<tr>
<td></td>
<td>2. Touch Phone book (Phone book).</td>
</tr>
<tr>
<td></td>
<td>3. Select a person name to delete</td>
</tr>
<tr>
<td></td>
<td>4. Touch “Delete”</td>
</tr>
</tbody>
</table>
### Q18: What methods are available to initiate a call while driving?

**A18:** You can make a call
- From call history (Outgoing calls, Incoming calls)
- From Speed Dial
- By Voice control

### Q19: How can I receive a call?

**A19:** You can receive incoming calls when any source mode is selected. When a call arrives, the incoming call screen appears automatically.

- When you hear the ringtone, touch 📞.
  - You are connected and able to talk.
  - Touch 📞 to hang up and refuse the incoming call.

### Q20: How can I adjust the volume level of the outgoing calls?

**A20:** During a call, Talking screen is displayed

2. Adjust by touching + or –.
   - +: Call volume up
   - -: Call volume down
   - Touch + for 1 second or more to raise the volume continuously.
   - Touch - for 1 second or more to lower the volume continuously.
## 3. FAQ

### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q21</th>
<th>How can I switch a call between private and hands-free mode?</th>
</tr>
</thead>
</table>
| A21 | When using a Bluetooth cell phone, you can transfer calls between the unit and the cell phone. The call is switched from a handsfree call to a cell phone call, or from a cell phone call to a handsfree call. Touch **Transfer** (Transfer).  

- Touch **Transfer** (Transfer) again to switch to a handsfree call. |

<table>
<thead>
<tr>
<th>Q22</th>
<th>Can I switch a call between private and hands-free mode while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A22</td>
<td>No.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q23</th>
<th>Is a “call waiting” function available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A23</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

If a call arrives from another phone while you are already talking, you can put the current call on temporary hold by using the Talking screen and receive the new incoming call.  

When you hear the ringtone, touch ✉️ on the Talking screen.  

- You can put the current call on hold and connect to the new call.  
- To end call waiting, touch ✉️. When call waiting ends, the phone connects to the call that was put on hold and you can continue the previous call.  
- During call waiting, touch ✉️ again to switch between the callers.

**NOTE**

If a call waiting contract has not been setup for the cell phone itself, you cannot use the call waiting function.
## Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q24</th>
<th>Will the Hands-free call be automatically transferred to the cell phone when the vehicle turns off?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A24</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q25</th>
<th>Can a phone call be transferred to the hands-free call when the vehicle turns on?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A25</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q26</th>
<th>How can I set my Navigation unit to answer a hands-free call automatically?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A26</td>
<td><strong>1.</strong> On the handsfree screen, touch Settings (Settings).</td>
</tr>
<tr>
<td></td>
<td><img src="image1" alt="Handsfree Settings Screen" /></td>
</tr>
<tr>
<td></td>
<td><strong>2.</strong> On the phone Settings screen, you can perform the following settings by touching the setting buttons for each item.</td>
</tr>
<tr>
<td></td>
<td><img src="image2" alt="Phone Settings Screen" /></td>
</tr>
<tr>
<td></td>
<td><strong>Auto Answer setting</strong></td>
</tr>
<tr>
<td></td>
<td>Start the call automatically 5 seconds after the arrival of an incoming call.</td>
</tr>
<tr>
<td></td>
<td>Touch <strong>On</strong> (On) or <strong>Off</strong> (Off).</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q27</th>
<th>How can I adjust the Ring Tone volume?</th>
</tr>
</thead>
</table>
| A27 | **1** On the handsfree screen, touch **Settings** (Settings).  

2 Touch “Volume Settings”  

![Volume Settings](image)

Adjust by touching **+** or **-**.  

- **+** : Ringtone volume up  
- **-** : Ringtone volume down |

<table>
<thead>
<tr>
<th>Q28</th>
<th>How can I adjust the Ring Tone volume while receiving a call?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A28</td>
<td>The Ring Tone volume can be adjusted with Steering Wheel Switches (+) / (-).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q29</th>
<th>What Bluetooth profiles are required in my phone for Phone book transfer?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A29</td>
<td>PBAP (Phone Book Access Profile) or OPP (Object Push Profile).</td>
</tr>
</tbody>
</table>
### Bluetooth Hands-free

**Q30**  How can I register “Speed Dial” numbers?

1. On the phone book screen, touch the data item that you want to register.
2. Touch **Add to Speed Dial** (Add to Speed Dial).
3. Touch the number in the Speed Dial list where you want to register the telephone number.
   - “Speed Dial Saved.” appears and the Speed Dial registration is complete.

### Q31  How many “Speed Dial” numbers can be registered?

- Up to 10.

### Q32  How can I change the passcode (passkey)?

1. Press **AUX**.
2. Touch **Info**.
   - If **Info** is not displayed, touch **V**.
3. Touch **Bluetooth**.
4. Touch **Passcode Settings** (Passcode Settings).
5. Enter a number by touching 1 digit at a time, and enter a number with 4 to 8 digits.
   - If you make a mistake, touch **Delete** to delete 1 digit at a time. Touch for 1 second or more to delete the digits continuously.
6. Touch **Done** (Done).
### 3. FAQ

#### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q33</th>
<th>What Bluetooth profiles are required to use the Message function?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A33</td>
<td>• HFP (Hands-free Profile) Ver.1.0 or later (Conformed Ver.1.5)</td>
</tr>
<tr>
<td></td>
<td>• MAP (Message Access Profile)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q34</th>
<th>What types of messages can be received on the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A34</td>
<td>• SMS (Short Message Service)</td>
</tr>
<tr>
<td></td>
<td>• MMS (Multimedia Message Service)</td>
</tr>
<tr>
<td></td>
<td>• E-mail</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q35</th>
<th>How can I see messages received?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A35</td>
<td>1 On the handsfree screen, touch <strong>Messages</strong> (Messages).</td>
</tr>
<tr>
<td></td>
<td>• The Messages screen appears.</td>
</tr>
</tbody>
</table>

<Messages screen>

<table>
<thead>
<tr>
<th>Q36</th>
<th>How can I delete my messages?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A36</td>
<td>You cannot delete messages using the unit. When 50 messages are stored, the oldest message will be deleted from the account list.</td>
</tr>
</tbody>
</table>
### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q37</th>
<th>How can I check my messages?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A37</td>
<td><strong>1</strong> On the Messages screen, touch the message that you want to check.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Messages screen" /></td>
</tr>
<tr>
<td></td>
<td><strong>&lt;MMS and e-mail details screen&gt;</strong></td>
</tr>
<tr>
<td></td>
<td><strong>&lt;SMS details screen&gt;</strong></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Attached file icon" /></td>
</tr>
</tbody>
</table>
|      | **Steps:**  
|      | - **>**: Advance to the next message.  
|      | - **<**: Return to the previous message.  
|      | - **Play** (Play): Perform audio playback of the message.  
|      | - **Reply** (Reply): Display the message reply screen.  
|      | ![Attached file icon](image)  
|      | - **>** If there is telephone number data in the address, you can touch to call the number.  
|      | - **<** Return to the Messages screen. |

<table>
<thead>
<tr>
<th>Q38</th>
<th>Can I open attached file on the message?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A38</td>
<td>No. When a file is attached with the message, the icon is displayed, but the contents of the attached files cannot be opened. Attachment may be viewed on your cell phone.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Messages screen" /></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Attached file icon" /></td>
</tr>
</tbody>
</table>
### 3. FAQ

**Bluetooth Hands-free**

<table>
<thead>
<tr>
<th>Q39</th>
<th>How can I reply to a message?</th>
</tr>
</thead>
</table>
| A39 | **1** On the Messages screen, touch the message to which you want to reply.  

**2** Touch **Reply** (Reply).  

**3** Touch the message that you want to use from the Reply Messages list.  

[Image of Messages screen]  

• Touch ▲ or ▼ to scroll the pages of the Reply Messages list.  

• **Edit** (Edit):  
  Edit a registered reply message.  

• **Free Message** (Free Message):  
  Create any message and use it as the reply.  

• ➤:  
  Return to the message details screen.  

**4** Touch **Send** (Send).  

• The message is sent. |

<table>
<thead>
<tr>
<th>Q40</th>
<th>How many default “Reply Messages” are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A40</td>
<td>18 default “Reply Messages” are available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q41</th>
<th>Can I reply to the message using one of default “Reply Messages” while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A41</td>
<td>Yes, but you need to reply before closing the message. Once it’s closed, all messages cannot be accessed while driving.</td>
</tr>
</tbody>
</table>
**Bluetooth Hands-free**

<table>
<thead>
<tr>
<th>Q42</th>
<th>How can I edit or change the “Reply Messages”?</th>
</tr>
</thead>
</table>
| A42 | **1** On the Reply Messages screen, touch the message that you want to change.  
**2** Touch **Edit** (Edit).  
**3** Touch the keyboard and enter any message.  
**4** Touch **Done** (Done).  
- The message is registered. |

You can enter up to 160 single-byte characters in a replay message.

<table>
<thead>
<tr>
<th>Q43</th>
<th>How can I create my own reply message (free message)?</th>
</tr>
</thead>
</table>
| A43 | **1** On the Reply Messages screen, touch **Free Message** (Free Message).  
**2** Enter a message.  
**3** Touch **Send** (Send).  
- The message is sent. |

You can enter up to 160 single-byte characters in a replay message.

<table>
<thead>
<tr>
<th>Q44</th>
<th>How can I have my Navigation unit read the body of the message?</th>
</tr>
</thead>
</table>
| A44 | 1. Open a message  
2. Touch “Play” |
### 3. FAQ

#### Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q45</th>
<th>How can I adjust the volume level of message read by the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A45</td>
<td><strong>1.</strong> On the Messages screen, touch <strong>Settings</strong> (Settings).&lt;br&gt;&lt;br&gt;<strong>2.</strong> Touch “Volume Settings”&lt;br&gt;&lt;br&gt;<strong>3.</strong> Adjust “Message Readout Volume”</td>
</tr>
</tbody>
</table>

![Volume Settings](image1.png)

<table>
<thead>
<tr>
<th>Q46</th>
<th>Can I set or configure the “Phone Settings” for each registered phone?</th>
</tr>
</thead>
</table>
| A46 | Yes.<br><br>![Phone Settings screen (page 1)](image2.png)<br><br>![Phone Settings screen (page 2)](image3.png)

<table>
<thead>
<tr>
<th><strong>Item</strong></th>
<th><strong>Function</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Handsfree</td>
<td>Set the handsfree function to on or off.</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Set the Bluetooth function to on or off.</td>
</tr>
<tr>
<td>Auto Answer</td>
<td>Set automatic call acceptance.</td>
</tr>
<tr>
<td>Auto Connect</td>
<td>Set automatic connection between a registered cell phone and the unit.</td>
</tr>
<tr>
<td>Auto Phonebook Transfer</td>
<td>Automatically transfer the phone book to the unit when a cell phone is registered.</td>
</tr>
</tbody>
</table>
## Bluetooth Hands-free

<table>
<thead>
<tr>
<th>Q47</th>
<th>How many “Ring Tones” types are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A47</td>
<td>3 different Ring Tones are available.</td>
</tr>
</tbody>
</table>

1. On the handsfree screen, touch **Settings** (Settings).

2. On the phone Settings screen, you can perform the following settings by touching the setting buttons for each item.

   [Phone Settings screen (page 1)]

3. Touch “Volume Settings”

   ![Volume Settings](image)

   - Touch [ or ].
     - Tone 1 ↔ Tone 2 ↔ Tone 3 ↔ Tone 1 ↔ …

<table>
<thead>
<tr>
<th>Q48</th>
<th>Can I reply to the received TEXT message by Speech (speech-to-text)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A48</td>
<td>No. The unit does not have speech-to-text capability.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q1</th>
<th>How can I scroll through audio sources?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>1  Press <strong>AUX</strong>.</td>
</tr>
<tr>
<td></td>
<td>2  Touch <strong>▼</strong> or <strong>▲</strong> to scroll the screens.</td>
</tr>
<tr>
<td></td>
<td>3  Select the audio mode that you want to use.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q2</th>
<th>How can I adjust the Sound Quality?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>1  Touch <strong>Sound</strong> (Sound) on any of the audio operations screens.</td>
</tr>
<tr>
<td></td>
<td>2  Touch “Adjust” in EQ Settings</td>
</tr>
<tr>
<td></td>
<td>3  Touch the sound band you want to adjust</td>
</tr>
</tbody>
</table>

- Touch **▲** or **▼**.  
- When you touch and hold, the value changes continuously but stops at the center value. Touch **▲** or **▼** again to restart.  
- You can also adjust to the desired level by touching the screen.  
- The maximum adjustment is +10 and the minimum adjustment is -10.  
- To reset the sound quality, touch **Flat** (Flat).  
- After completing the adjustment, touch **▼** to save the adjusted settings and return to the previous screen.
<table>
<thead>
<tr>
<th>Q3</th>
<th>How can I save the Sound Quality Settings?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>1 Adjust the sound quality.</td>
</tr>
<tr>
<td></td>
<td>2 Touch any button from EQ1 to EQ5 for 2 seconds or more.</td>
</tr>
<tr>
<td></td>
<td>• Values cannot be saved for Flat (Flat).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q4</th>
<th>How many “EQ Settings” presets are available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>6 (EQ1, EQ2, EQ3, EQ4, EQ5 and Flat).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q5</th>
<th>How can I reset or initialize all EQ Settings (EQ1, EQ2, EQ3, EQ4 and EQ5)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5</td>
<td>Touch “Flat” for more than 2 seconds.</td>
</tr>
</tbody>
</table>
Q6: How can I adjust the audio balance?

A6: 1. Touch Sound (Sound) on any of the audio operations screens.

2. Touch “Sound Position”

3. Touch “Fader/Balance”

4. Touch the balance point you want to use

- To fine adjust, touch any of the balance adjusting buttons ▲ ▼ ◀ or ▶ to change the value by 1 step. When you touch and hold one of the balance adjusting buttons ▲ ▼ ◀ or ▶, the value changes continuously but stops at the center value. To continue to change the balance, touch one of the balance adjusting buttons again.

- You can also adjust to the desired balance by touching the screen.

- Touch Center (Center) to cancel the Fader/Balance setting and return to the center value.

- After completing the adjustment, touch ▶ to save the adjusted settings and return to the Sound Settings screen.
Q7  How can I set the volume level for each audio source?

A7  Touch **Sound** (Sound) on any of the audio operations screens.

1 Touch **Sound** (Sound) on any of the audio operations screens.

2 Touch [−] or [+] in SVC.

You can set a volume difference for each audio mode. The differences between the volume of the FM mode in the initial setting (initial value: 19), which is used as reference, and the volume levels set for each audio mode are saved.

After completing the adjustment, touch [✓] to save the adjusted settings and return to the previous screen.

Q8  What is the ASL?

A8  The Automatic Sound Levelizer (ASL) function detects the noise level inside the vehicle as it changes according to the driving speed and road conditions, and automatically increases the audio volume when the noise increases.

- **High** (High): Set the sensitivity for detecting noise inside the vehicle to High.
- **Mid** (Mid): Set the sensitivity for detecting noise inside the vehicle to Mid.
- **Low** (Low): Set the sensitivity for detecting noise inside the vehicle to Low.
- **Off** (Off): Cancel the ASL setting.
3. FAQ
Audio / Visual

Q9  What is HD Radio?
A9  HD Radio, which original stood for “Hybrid Digital”, is the trademark for iBiquity’s in-band on-channel (IBOC) digital radio technology used by AM and FM radio stations to transmit audio and data via digital signal in conjunction with their analog signals.

Digital Sound

Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today’s FM and FM sounds like a CD.

Note: HD Radio service available in USA only (as of May 2013)

Q10  Which radio station transmits radio program in HD mode?
A10  Check the information from the HD Radio website at http://www.hdradio.com/.

Q11  How can I listen to HD Radio?
A11  1. Find AM or FM station that broadcasts HD Radio from http://www.hdradio.com/
2. Tune to the station

   Manual selection
   Touch ► or ◄.
   • ► Move up 1 step.
   • ◄ Move down 1 step.

   Auto tuning
   Touch ► or ◄ for 1 second or more.
   • The tuner moves automatically to the station closest to the frequency currently displayed on the screen and stops. To cancel auto tuning while it is operating, touch the button again.

3. Touch “HD Radio”
   • ON (indicator lit): Audio is output according to the HD Radio setting and reception quality.
   • OFF (indicator off): Audio is output in analog regardless of the HD Radio setting or reception quality.
   • Touch HD Radio (HD Radio) to switch between ON and OFF.
### Q12

**How can I tell if the HD radio is broadcasting in “digital” mode?**

**A12**

Once the digital signal is received, “Digital” is displayed.

![Illustration of HD radio interface with Digital indicator highlighted.](image)

### Q13

**How can I manually store radio stations as presets?**

**A13**

1. Select the station that you want to save using manual tuning or auto tuning.

2. Touch the preset button that you want to use for 2 seconds or more.
   - The selected station is saved and displayed on the preset button.

![Illustration of HD radio interface with preset settings highlighted.](image)

### Q14

**How can I store radio stations automatically into the preset buttons?**

**A14**

1. Touch **Settings** (Settings).

2. Touch **Auto.P** (Auto.P) for 2 seconds or more.

![Illustration of HD radio interface with Auto.P setting highlighted.](image)
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q15</th>
<th>How many AM/FM radio stations can be stored as presets?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15</td>
<td>6 stations each for FM1, 2 and 3 and 6 stations for AM (Total: 24 stations).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q16</th>
<th>How does “Tag” work?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A16</td>
<td><strong>iTunes® Tagging</strong></td>
</tr>
</tbody>
</table>

iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to “tag” that content for later review and purchase from the iTunes® Store. Also refer to the Apple Automotive specifications for implementing iTunes® Tagging.

If tag information exists for the track being broadcast, you can acquire the track's tag information.

**Touch  Tag  (Tag).**

- If an iPod is connected, the tag information is transferred to the iPod.
- If an iPod is not connected, maximum 50 Tags will be stored in the HD Radio tuner. It is transferred to iPod at the time of iPod connection on the next time and is deleted from Tuner.

![iTunes® Tagging Image](image_url)
<table>
<thead>
<tr>
<th>Q17</th>
<th>What is “Sub Ch”?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A17</td>
<td>In FM radio mode only, you can receive a sub channel broadcast if one exists for the currently broadcasting station.</td>
</tr>
</tbody>
</table>

**Touch** Sub Ch (Sub Ch).

- The sub channel changes each time you touch the screen.
- The current channel and the number of sub-channel reception is displayed at the upper right of the screen.

![Image of sub channel interface]

**NOTE**

**HD2/HD3**

FM stations can provide additional digital-only audio programing on HD2/HD3 Channels.
# 3. FAQ

## Audio / Visual

<table>
<thead>
<tr>
<th>Q18</th>
<th>Can I receive SAT (XM) for free?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A18</td>
<td>No. SAT (XM) radio has to be subscribed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q19</th>
<th>I cannot get some of the XM channels. Why?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A19</td>
<td>Invalid channels and non-subscribed channels cannot be received.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q20</th>
<th>How can I select a SAT channel?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A20</td>
<td>There are 4 ways to select a SAT channel (Preset, Channel, Direct and Category).</td>
</tr>
</tbody>
</table>

### Preset
1. Touch “Preset”
2. Touch a preset button

### Channel
1. Touch “Channel”
2. Touch a channel

### Direct
1. Touch “Direct”
2. Enter a channel number
3. Touch “Done”

### Category
1. Touch “Category”
2. Touch a category
<table>
<thead>
<tr>
<th>Q21</th>
<th>How can I store SAT radio channels?</th>
</tr>
</thead>
</table>
| A21 | **1** Select the channel that you want to save. **2** Touch **Preset** (Preset). **3** Touch **Preset** (Preset). **4** Touch the preset button that you want to use for 2 seconds or more.  
   - The selected channel is saved and displayed on the preset button.  
   - To manually set additional channels for the remaining preset channels, repeat this procedure for each channel. |

<table>
<thead>
<tr>
<th>Q22</th>
<th>How many SAT channels can be stored into the preset memory buttons?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A22</td>
<td>Save up 6 stations each for XM1, XM2 and XM3. (Total of 18 stations)</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q23</th>
<th>How can I find the XM radio ID number?</th>
</tr>
</thead>
</table>
| A23  | **1** Touch **Preset** (Preset).  
**2** Touch **Direct** (Direct).  
**3** Touch “0”.  
  - If you make a mistake, touch \( \times \) to delete 1 digit at a time.  
  Touch for 1 second or more to delete the digits continuously.  
**4** Touch **Done** (Done).  
**5** Touch \( \uparrow \).  
  - An 8-digit numerical code appears. |

<table>
<thead>
<tr>
<th>Q24</th>
<th>What types of CDs are supported?</th>
</tr>
</thead>
</table>
| A24  | An audio disc bearing one of the marks below can be played.  
[![Compact Digital Audio](image1)](image1)  
[![Compact Digital Audio](image2)](image2)  
[![Compact Digital Audio](image3)](image3)  
[![Compact Digital Audio](image4)](image4) |

<table>
<thead>
<tr>
<th>Q25</th>
<th>I cannot see TEXT information while playing my CD. Why?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A25</td>
<td>The CD-TEXT function can be used only for commercially available CDs that support CD TEXT.</td>
</tr>
<tr>
<td>Q26</td>
<td>Does the system play MP3/WMA files on CD-R/CD-RW?</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>A26</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q27</th>
<th>What is the recommended bit rate and sampling frequency of MP3/WMA files on CD-R/CD-RW?</th>
</tr>
</thead>
</table>
| A27 | • Bit rate: 128kbps  
• Sampling frequency: 44.1KHz |

<table>
<thead>
<tr>
<th>Q28</th>
<th>How do I know if my USB memory is connected to the USB port correctly?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A28</td>
<td>Once the USB memory is connected to the USB port and recognized by the system, the USB icon will be highlighted.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q29</th>
<th>What audio formats are supported by the system for the USB audio playback?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A29</td>
<td>MP3/ WMA .</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q30</th>
<th>Which USB flash memory is supported (specification requirement)?</th>
</tr>
</thead>
</table>
| A30 | • Supported file formats:  
  FAT 32  
• Supported audio formats: MP3/WMA/WAV  
• Maximum current: 1.0 A  
• Supported capacities: 16 MB to 8 GB  
• Compatibility: USB1.0/1.1/2.0 (maximum transfer speed is same as USB 2.0)  
• Mass memory support: Supports USB mass storage class  
• Does not support USB hubs or multi card readers. |
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q31</th>
<th>How can I listen to the music stored in the USB flash memory?</th>
</tr>
</thead>
</table>
| A31 | 1. Connect a USB memory that contains music files to the USB connector.  
2. Press \( \text{Audio} \).  
3. Touch \( \text{USB} \) (USB).  
   - The playback starts.  
4. **Select a Folder**  
   Touch < or >.  
   - <: Return to the previous folder and play the first file in the folder.  
   - >: Advance to the next folder and play the first file in the folder.  
5. **Touch a music file to play** |

<table>
<thead>
<tr>
<th>Q32</th>
<th>Can I watch video stored in the USB memory while driving?</th>
</tr>
</thead>
</table>
| A32 | No. In order to watch video contents, the vehicle must be stopped and the parking brake applied.  
If the source is switched to USB video while the vehicle is in motion, only audio can be heard. |
<table>
<thead>
<tr>
<th>Q33</th>
<th>How can I watch a USB video contents?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A33</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Connect a USB memory that contains</td>
</tr>
<tr>
<td></td>
<td>video files to the USB connector.</td>
</tr>
<tr>
<td>2</td>
<td>Press [AUD].</td>
</tr>
<tr>
<td>3</td>
<td>Touch <a href="USB">USB</a>.</td>
</tr>
<tr>
<td></td>
<td>• The playback starts.</td>
</tr>
<tr>
<td></td>
<td>• Touch the video to show it in a</td>
</tr>
<tr>
<td></td>
<td>full-screen display. To display the</td>
</tr>
<tr>
<td></td>
<td>operation buttons (touch buttons)</td>
</tr>
<tr>
<td></td>
<td>again, touch the full-screen</td>
</tr>
<tr>
<td></td>
<td>display.</td>
</tr>
</tbody>
</table>

**Note:**
You can watch a USB video only if you have stopped your vehicle and applied the parking brake to ensure safety and turned the ignition switch to ON or ACC ON.

<table>
<thead>
<tr>
<th>Q34</th>
<th>How to view video in full screen size?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch a small video to view full</td>
</tr>
<tr>
<td></td>
<td>screen.</td>
</tr>
</tbody>
</table>

<Full-screen display>
3. FAQ

Audio / Visual

Q35  How can I change the subtitle language of the USB video playback?

A35  If the video file stores multiple subtitle languages, you can change the subtitle language that is used.

1  Touch [Settings] (Settings).

2  Touch [Subtitle] (Subtitle).

3  Touch [Change Subtitle] (Change Subtitle).
   - Each time you touch [Change Subtitle], the subtitle number changes, and the subtitle languages recorded on the video file change in sequence.
   - Touch [Subtitle Off] (Subtitle Off) to play without displaying subtitles on the screen.

Q36  How can I change the audio language of the USB video playback?

A36  If the video file stores multiple audio languages, you can change the audio language that is used.

1  Touch [Settings] (Settings).

2  Touch [Audio].

3  Touch [Change Audio] (Change Audio).
   - Each time you touch [Change Audio], the audio number changes, and the audio languages recorded on the video file change in sequence.
<table>
<thead>
<tr>
<th>Q37</th>
<th>How can I change the aspect ratio of the USB video playback?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A37</td>
<td><strong>1</strong> Touch <strong>Settings</strong> (Settings).</td>
</tr>
<tr>
<td></td>
<td><strong>2</strong> Touch <strong>Aspect</strong> (Aspect).</td>
</tr>
<tr>
<td></td>
<td><strong>3</strong> Touch <strong>Original</strong> (Original) or <strong>Zoom</strong> (Zoom).</td>
</tr>
<tr>
<td></td>
<td>- <strong>Original</strong> (Original): Display the video in its original size.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Zoom</strong> (Zoom): Expand the video until its vertical or horizontal dimension reaches the maximum size. (For DivX image files, the image is enlarged to 4.5 times its original size.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q38</th>
<th>How can I display the DIVX VOD (Video On Demand) registration code?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A38</td>
<td><strong>1</strong> Touch <strong>Info</strong>.</td>
</tr>
<tr>
<td></td>
<td>- If <strong>Info</strong> is not displayed, touch <strong>V</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>2</strong> Touch <strong>DivX(R) VOD</strong> (DivX(R) VOD).</td>
</tr>
<tr>
<td></td>
<td>- The DivX(R) VOD Set Up screen appears.</td>
</tr>
<tr>
<td></td>
<td><strong>3</strong> Touch <strong>Register</strong> (Register).</td>
</tr>
<tr>
<td></td>
<td>- Touch <strong>OK</strong> (OK) to return to the Info screen.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q39</th>
<th>What video formats are supported for USB video playback?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A39</td>
<td>DivX, Div, AVI, WMV, MP4, M4V.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q40</th>
<th>What is the maximum resolution and frame rate of the video files for USB video playback?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A40</td>
<td>720x480 (30 frame/second), 720x576 (25 frame rate / second).</td>
</tr>
</tbody>
</table>

If the video resolution and frame rate do not meet the specification, “Video resolution not supported” or “Video Framerate not supported” is displayed and video will not be played.
<table>
<thead>
<tr>
<th>Q41</th>
<th>How can I play music (audio) from iPod?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A41</td>
<td>1. Connect an iPod that contains music files to the iPod connector.</td>
</tr>
<tr>
<td></td>
<td>2. Press <strong>Audio</strong>.</td>
</tr>
<tr>
<td></td>
<td>3. Touch <strong>iPod</strong>.</td>
</tr>
<tr>
<td></td>
<td>• The playback starts.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q42</th>
<th>How do I know if the connected iPod is recognized by the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A42</td>
<td>Once your iPod is connected to the USB port and recognized by the Navigation unit, iPod icon will be highlighted.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q43</th>
<th>How can I find a music files by Albums, Songs and Artists for iPod player?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A43</td>
<td><strong>1</strong> Touch <strong>iPod</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>2</strong> Touch <strong>Search</strong> (Search).</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Selecting music by Albums, Songs, Artists" /></td>
</tr>
<tr>
<td></td>
<td><strong>3</strong> To select a file or program to play, touch <strong>Playlists</strong> (Playlists), <strong>Albums</strong> (Albums), <strong>Artists</strong> (Artists), <strong>Songs</strong> (Songs) or <strong>Others</strong> (Others).</td>
</tr>
<tr>
<td></td>
<td>•  The list screen for the selected mode appears.</td>
</tr>
<tr>
<td></td>
<td>•  Touch  to return to the previous screen.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q44</th>
<th>How can I repeat a song in the iPod?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A44</td>
<td><strong>1</strong> Touch <strong>iPod</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>2</strong> Touch <strong>Settings</strong> (Settings).</td>
</tr>
<tr>
<td></td>
<td><strong>3</strong> Touch <strong>On</strong> (On) in Repeat.</td>
</tr>
<tr>
<td></td>
<td>•  Repeat playback is set for the currently playing music file.</td>
</tr>
<tr>
<td></td>
<td>•  When you touch <strong>On</strong> (On), repeat is continued until you</td>
</tr>
<tr>
<td></td>
<td>cancel it. Touch <strong>Off</strong> (Off) to cancel the repeat playback.</td>
</tr>
<tr>
<td></td>
<td>•  When Repeat is canceled, repeat playback is performed for the</td>
</tr>
<tr>
<td></td>
<td>list that is playing back.</td>
</tr>
<tr>
<td></td>
<td>•  Touch  to return to the previous screen.</td>
</tr>
</tbody>
</table>

**NOTE**

When On is selected in Repeat,  is displayed in the top right of the screen as confirmation that the function is on.
<table>
<thead>
<tr>
<th>Q45</th>
<th>How can I play music randomly with iPod?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A45</td>
<td><strong>Playing files from the current list randomly</strong></td>
</tr>
<tr>
<td></td>
<td>1 Touch <strong>iPod</strong>.</td>
</tr>
<tr>
<td></td>
<td>2 Touch <strong>Settings</strong> (Settings).</td>
</tr>
<tr>
<td></td>
<td>3 Touch <strong>Song</strong> (Song) in Shuffle.</td>
</tr>
<tr>
<td></td>
<td>- When you touch <strong>Song</strong> (Song), random playback is continued until you cancel it. Touch <strong>Off</strong> (Off) to cancel random playback.</td>
</tr>
<tr>
<td></td>
<td>- Touch <strong>X</strong> to return to the previous screen.</td>
</tr>
</tbody>
</table>

**NOTE**
When the list random function is selected, **X** is displayed in the top right of the screen as confirmation that the function is on.

**Playing albums randomly**
You can play albums randomly. Note that the music files within the albums are played in order from the first.

|     | 1 Touch **iPod**.                        |
|     | 2 Touch **Settings** (Settings).         |
|     | 3 Touch **Album** (Album) in Shuffle.    |
|     |   - When you touch **Album** (Album), random playback is continued until you cancel it. Touch **Off** (Off) to cancel random playback. |
|     |   - Touch **X** to return to the previous screen. |

**NOTE**
When the album random function is selected, **X** is displayed in the top right of the screen as confirmation that the function is on.
### Q46
How can I play songs in “Shuffle Songs” mode with iPod?

**A46**
You can play all the music files randomly.

1. Touch **iPod**.

2. Touch **Shuffle Songs** (Shuffle Songs).
   - When you touch **Shuffle Songs** (Shuffle Songs), random playback is continued until you cancel it.

**NOTE**
When the all random function is selected, ✗ is displayed in the top right of the screen as confirmation that the function is on.

### Q47
How can I change the audiobook playback speed?

**A47**

1. Touch **iPod**.

2. Touch **Settings** (Settings).

3. Touch **Slow** (Slow), **Normal** (Normal) or **Fast** (Fast) in **Audiobook Speed**.
   - **Slow** (Slow):
     Slow down the reading speed of the audiobook.
   - **Normal** (Normal):
     Set the reading speed of the audiobook to normal.
   - **Fast** (Fast):
     Speed up the reading speed of the audiobook.
   - Touch ✗ to return to the previous screen.
### Which iPods are supported by the Navigation unit?

<table>
<thead>
<tr>
<th>Type</th>
<th>Generation</th>
<th>Firmware version or OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>iPod</td>
<td>5G</td>
<td>1.3</td>
</tr>
<tr>
<td>iPod nano</td>
<td>1G</td>
<td>1.3.1</td>
</tr>
<tr>
<td></td>
<td>2G</td>
<td>1.1.3</td>
</tr>
<tr>
<td></td>
<td>3G</td>
<td>1.1.3</td>
</tr>
<tr>
<td></td>
<td>4G</td>
<td>1.0.4</td>
</tr>
<tr>
<td></td>
<td>5G</td>
<td>1.0.2</td>
</tr>
<tr>
<td>iPod classic</td>
<td>1G</td>
<td>1.1.2</td>
</tr>
<tr>
<td></td>
<td>2G (120 GB)</td>
<td>2.0.1</td>
</tr>
<tr>
<td></td>
<td>2009 (160 GB)</td>
<td>2.0.4</td>
</tr>
<tr>
<td>iPod touch</td>
<td>1G</td>
<td>iOS 3.1.3</td>
</tr>
<tr>
<td></td>
<td>2G</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>Late 2009 (8 GB/16 GB)</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>Late 2009 (32 GB/64 GB)</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>3G</td>
<td>iOS 3.1.3</td>
</tr>
<tr>
<td>iPhone</td>
<td>1G (iPhone)</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>2G (iPhone 3G)</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>3G (iPhone 3GS)</td>
<td>iOS 4</td>
</tr>
<tr>
<td></td>
<td>iPhone 4</td>
<td>iOS 4</td>
</tr>
</tbody>
</table>

### Can pictures or photography from the iPod be displayed on the Navigation unit?

Pictures stored on the iPod cannot be shown on the display.

### Are Podcasts supported in iPod mode?

Yes, but it may operate differently.

### Can I charge my iPod with the Navigation unit?

Yes.
### 3. FAQ

#### Audio / Visual

<table>
<thead>
<tr>
<th>Q52</th>
<th>What profiles are required to listen to Bluetooth Audio?</th>
</tr>
</thead>
</table>
| A52 | • A2DP (Advanced Audio Distribution Profile) Ver. 1.0 or higher  
     • AVRCP (Audio/Visual Remote Control Profile) Ver. 1.0 or higher (Ver. 1.4 or higher is recommended) |

**NOTE**
The available functions may vary depending on the type of Bluetooth audio device.

<table>
<thead>
<tr>
<th>Q53</th>
<th>How many Bluetooth Audio devices can be registered to the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A53</td>
<td>Up to 5 devices.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q54</th>
<th>How can I register my Bluetooth portable device to the Navigation unit?</th>
</tr>
</thead>
</table>
| A54 | **1** Press `Audio`.  
     **2** Touch `Info`.  
     • If `Info` is not displayed, touch `V`.  
     **3** Touch `Bluetooth`.  
     **4** Touch `Registered Devices` (Registered Devices)  
     **5** Touch `Add New` (Add New).  
     **6** Operate the portable device to enter the passcode (passkey) of the unit.  
     • The name of the unit is CAR MULTIMEDIA.  
     • The initial setting for the passcode (passkey) is 0000.  
     • Operate the portable device while the Registered Devices screen is displayed.  
     **<Registered Devices screen>**  
     **7** When the registration is complete, "Connection Completed" appears.  
     • The portable device registration is complete.  
     • After the registration completed message is displayed, "Connection established successfully!" appears.  

**Q55**  How can I connect my Bluetooth Audio device to the Navigation unit?

**A55**

You can connect portable devices that are registered on the unit.
- Make the preparations necessary for connecting to the unit, for example by setting the portable device’s Bluetooth standby to On.

For details of operations on the portable device, see the portable device’s instruction manual.

1. **Press** [AUDI].
2. **Touch** [Info].
   - If [Info] is not displayed, touch [V].
3. **Touch** [Bluetooth].
4. **Touch** [Connect Portable Player] (Connect Portable Player).
5. **Select the portable device that you want to connect.**
   - The Bluetooth mark is displayed for portable devices with an active Bluetooth connection.
6. **Touch** [Connect] (Connect).
   - The connection screen appears.
7. **When the connection is complete, “Connection Completed” appears.**
   - The connection between the portable device and the unit is complete.

**NOTE**
- If the connection fails, “Connection failed” appears on the screen. If this happens, perform the connection operation again.
- Connection is not possible if no portable devices are registered.
- On the Connect Portable Player screen, touch [Add New] (Add New) to register a portable device.
# 3. FAQ

## Audio / Visual

<table>
<thead>
<tr>
<th>Q56</th>
<th>How can I play Bluetooth Audio?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A56</td>
<td>Before playing Bluetooth Audio, please make sure your Bluetooth device has been registered and connected.</td>
</tr>
</tbody>
</table>

1. Press 🎧.  
2. Touch ⏯️.  
3. Touch 🎬.  
   - The playback starts on the connected portable device.

**NOTE**  
- If the playback does not start when you touch 🎬 on the unit, press the play button on the portable device.  
- Album, Title, and Artist name may not be displayed depending on the portable device type.

<table>
<thead>
<tr>
<th>Q57</th>
<th>Why iTunes downloaded music won’t play in USB audio player?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A57</td>
<td>USB audio player only supports MP3 and WMA music files and won’t support AAC file from iTunes store.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q58</th>
<th>Can I play DVD movies?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A58</td>
<td>No, unit won’t play DVD movies, however video contents (DivX, Div, AVI, WMV, MP4, M4V) can be played using USB flash memory.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Others

<table>
<thead>
<tr>
<th>Q1</th>
<th>How can I play a picture Slide Show?</th>
</tr>
</thead>
</table>
| A1 | **Before inserting an SD memory card that contains image data, touch [SD Eject] (SD Eject) and remove the map SD card.**  

1. Insert a different SD memory card that contains image data.  
2. Display the picture operations screen.  

- **Menu** (Menu): You can display a picture list or set a slide show.  
- **<**: Display the previous image.  
- **>**: Display the next image.  
- **Pause** (or **II**): The slide show starts. Touch **II** to stop the slide show.  
- **Start-up Screen** (Start-up Screen): Register the displayed image data as the “Customized” opening screen setting.  

---

<table>
<thead>
<tr>
<th>Q2</th>
<th>How can I replace the Subaru Opening Screen with my own picture?</th>
</tr>
</thead>
</table>
| A2 | **You can register image data (1 picture only) imported from an SD memory card as the “Customized” opening screen setting.**  

1. Insert an SD memory card that contains the image data.  
2. Display the image that you want to set and touch **Start-up Screen** (Start-up Screen).  

3. “Are you sure to overwrite the start-up screen?” appears on the screen. Touch **Yes** (Yes).  
   - The picture is registered as the “Customized” opening screen setting.  

---

**Caution:**  
Do not add photo data on Map SD Card. It may damage the software file. Always use a different SD card to store photo data.
<table>
<thead>
<tr>
<th>Q3</th>
<th>Do I lose the Subaru Opening screen once it is replaced with my own picture?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>No. You can select either the Subaru logo (default) or your picture as the Opening Screen. 1. Press “Audio” 2. Touch “Info” 3. Touch “Settings” In start up Screen, you can select “Customized (your picture)” or “Initialize (Subaru logo)”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q4</th>
<th>Which picture format is required for a picture Slide Show?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>.jpg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q5</th>
<th>What is the maximum number of pictures and image size allowed for a picture Slide Show?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5</td>
<td>Up to 500 pictures and 10MB or less per file.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q6</th>
<th>Can I watch a picture Slide Show while driving?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A6</td>
<td>No.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q7</th>
<th>Can I view pictures that are stored on CD-R / DVD-R with the Navigation unit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A7</td>
<td>No.</td>
</tr>
</tbody>
</table>
### 3. FAQ

#### Others

<table>
<thead>
<tr>
<th>Q8</th>
<th>How can I set or adjust the clock?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A8</td>
<td><strong>Current time can be adjusted automatically using GPS signals or manually.</strong></td>
</tr>
<tr>
<td></td>
<td>1 On the Info screen, touch <strong>Settings</strong> (Settings).</td>
</tr>
<tr>
<td></td>
<td>2 Touch <strong>Set</strong> (Set) in Time Zone.</td>
</tr>
<tr>
<td></td>
<td>3 Touch <strong>On</strong> (On) or <strong>Off</strong> (Off) in Auto Time Zone.</td>
</tr>
<tr>
<td></td>
<td>- Touch <strong>On</strong> (On) in Auto Time Zone to set the time zone automatically.</td>
</tr>
<tr>
<td></td>
<td>- When Auto Time Zone is “Off”, touch <strong>-</strong> or <strong>+</strong> in Manual Time Zone to adjust the time zone manually.</td>
</tr>
<tr>
<td></td>
<td>- Touch <strong>+</strong> for 1 second or more to raise the time continuously.</td>
</tr>
<tr>
<td></td>
<td>- Touch <strong>-</strong> for 1 second or more to lower the time continuously.</td>
</tr>
<tr>
<td></td>
<td>- After configuring the setting, touch <strong>Done</strong> (Done) to save the setting and return to the previous screen.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q9</th>
<th>How can I turn off the “Guide Tone (Beep)”?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A9</td>
<td>You can set the sound for button operations to on or off.</td>
</tr>
<tr>
<td></td>
<td>1 On the Info screen, touch <strong>Settings</strong> (Settings).</td>
</tr>
<tr>
<td></td>
<td>2 Touch <strong>On</strong> (On) or <strong>Off</strong> (Off) in Guide Tone.</td>
</tr>
<tr>
<td></td>
<td>- If Guide Tone is not displayed, touch ( \checkmark ) to change the page.</td>
</tr>
<tr>
<td></td>
<td>- When Guide Tone is set to “Off”, button operations do not emit a sound.</td>
</tr>
</tbody>
</table>
Q10  What “Personal Data” will be deleted by touching “Delete Personal Data” button?

A10  You can delete the data items that you registered and return them to the factory default value.

### How to delete personal data

1. Touch **Info**.
   - If the Navigation screen is displayed, change to the Multi screen or Audio operations screen before performing this operation.
   - If **Info** is not displayed, touch **OK**.

2. Touch **Settings** (Settings).

3. Touch **Delete Personal Data** (Delete Personal Data).

4. Touch **Delete** (Delete).
   - Touch **Do Not Delete** (Do Not Delete) to cancel the Delete Personal Data.

5. Touch **Yes** (Yes).

**NOTE**

Once the information (data) is initialized (deleted), it cannot be restored. Be very careful when performing initialization.
### 3. FAQ

#### Others

<table>
<thead>
<tr>
<th>Q11</th>
<th>What items will be initialized by touching the “Initialize” button?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A11</td>
<td>Settings of Skin Pattern, Start Up Screen, Clock, Time Display, Time Zone, Link to Day/Night View, Voice Recognition and Guide Tone will be reset to the factory default.</td>
</tr>
</tbody>
</table>

![](image1.png)

<table>
<thead>
<tr>
<th>Q12</th>
<th>How can I adjust the volume level of Voice Recognition?</th>
</tr>
</thead>
</table>
| A12 | **1.** On the Info screen, touch **Settings** (Settings)  
**2.** Touch **Set** (Set) in Voice Recognition.  
• If Voice Recognition is not displayed, touch ▼ to change the page.  
**3.** Touch **-** or **+**.  
• **+** (right side): Volume up  
• **-** (left side): Volume down |

![](image2.png)
<table>
<thead>
<tr>
<th>Q13</th>
<th>How can I check the Software (Navigation &amp; Audio) version?</th>
</tr>
</thead>
</table>
| A13 | 1. Press “Audio”  
2. Touch “Info”  
3. Touch “Software version” |

<table>
<thead>
<tr>
<th>Q14</th>
<th>How can I check the system conditions (GPS, Parking Brake, Reverse signals)?</th>
</tr>
</thead>
</table>
| A14 | 1. Press “Audio”  
2. Touch “Info”  
3. Touch “System Check” |

<table>
<thead>
<tr>
<th>Q15</th>
<th>Can I make a back-up copy of the MAP SD card and restore the content to another SD card?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15</td>
<td>No. Back up is not authorized and is not possible.</td>
</tr>
</tbody>
</table>
### 4. Glossary

[A] - [M]

[Alphabetical Order]

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aha</td>
<td>Aha is a comprehensive “automotive grade” cloud platform, providing automotive manufacturers a single integration point to bring the widest range of current and future Web infotainment content safely into their vehicles.</td>
</tr>
<tr>
<td>AUX</td>
<td>AUX (Auxiliary input port) is an analog audio connector, which has a 3.5mm audio jack.</td>
</tr>
<tr>
<td>Bluetooth (B/T)</td>
<td>Bluetooth is a high-speed wireless data communication system that uses the 2.4 GHz frequency band prescribed by the Bluetooth SIG (Special Interest Group), with communication at a speed of up to 1 Mbps. Bluetooth is a trademark owned by Bluetooth SIG, Inc.</td>
</tr>
<tr>
<td>Copy-control CD</td>
<td>This refers to music data that is encoded to prevent saving, alteration, or storing of music data on a computer or other electronic device. Copy Control CDs and Label Gate CDs are labeled with the following symbol. Before using, be sure to refer to information that comes with the product.</td>
</tr>
<tr>
<td>Label Gate CD</td>
<td></td>
</tr>
<tr>
<td>DivX</td>
<td>DivX is a brand name of products created by DivX, Inc., including the DivX Codec which has become popular due to its ability to compress lengthy video segments into small sizes while maintaining relatively high visual quality.</td>
</tr>
<tr>
<td>Green route</td>
<td>Searches for the route that conserves the most energy, taking into account the merits of “Fast” and “Short”.</td>
</tr>
<tr>
<td>GPS (Global Positioning System)</td>
<td>GPS is positioning system that utilizes satellites traveling at high speed along a 21,000 km orbit. These satellites emit electromagnetic waves that allow the longitude, latitude and height of a given position to be identified.</td>
</tr>
<tr>
<td>HD radio</td>
<td>HD Radio, which originally stood for &quot;Hybrid Digital&quot;, is the trademark for iBiquity’s in-band on-channel (IBOC) digital radio technology used by AM and FM radio stations to transmit audio and data via a digital signal in conjunction with their analog signals. Note: HD Radio service available in USA only (as of May 2013)</td>
</tr>
<tr>
<td>iPhone</td>
<td>iPhone is a smartphone designed and marketed by Apple.</td>
</tr>
<tr>
<td>iPod</td>
<td>iPod is a portable media player designed and marketed by Apple.</td>
</tr>
<tr>
<td>MP3</td>
<td>MP3 is short for MPEG Audio Layer 3, and is a standard format for audio compression technology. MP3 compresses sound data to eliminate sounds that are outside the range of human hearing, allowing the original file to be compressed to 1/10th their size.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Navigation System</td>
<td>Navigation system is capable of containing map data, determining a vehicle's location and providing suggested direction.</td>
</tr>
<tr>
<td>NAVTEQ</td>
<td>Navteq is a Chicago, Illinois-based provider of Geographic Information Systems data and is a dominant company in providing the base electronic navigable maps. The company is a wholly owned subsidiary of Nokia but operates independently.</td>
</tr>
<tr>
<td>MP4</td>
<td>MP4(MPEG-4) is a multimedia container format standard specified as a part of MPEG-4.</td>
</tr>
<tr>
<td>PKB-SIGNAL (Parking Brake-Signal)</td>
<td>This is a signal that activates when the parking brake is on.</td>
</tr>
<tr>
<td>Positioning</td>
<td>Vehicle position can be obtained when information is received from 3 or more GPS satellites.</td>
</tr>
<tr>
<td>REV-SIGNAL (Reverse-Signal)</td>
<td>This is a signal that activates when the shift lever is put into Reverse.</td>
</tr>
<tr>
<td>Satellite radio</td>
<td>Satellite radio is an analogue or digital radio signal that is relayed through one or more satellites and thus can be received in a much wider geographical area than terrestrial FM radio stations.</td>
</tr>
<tr>
<td>SD</td>
<td>SD (Secure Digital) is a non-volatile memory card format developed by the SD Card Association for use in portable devices.</td>
</tr>
<tr>
<td>SMS</td>
<td>SMS (Short Message Service) is a text messaging service component of phone, web, or mobile communication systems, using standardized communications protocols that allow the exchange of short text messages between fixed line or mobile phone devices.</td>
</tr>
<tr>
<td>SPD-SIGNAL (Speed-Signal)</td>
<td>This indicates the vehicle speed pulse signal generated by movement of the vehicle.</td>
</tr>
<tr>
<td>SACD (Super Audio CD)</td>
<td>A high-quality audio disc standard that utilizes the DSD (Direct Stream Digital) format. This format enables digital recording in a form extremely similar to analog waves of the original.</td>
</tr>
</tbody>
</table>
### 4. Glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USB (Universal Serial Bus)</strong></td>
<td>USB is a specification to establish communication between devices and a host controller. USB flash drive consists of a flash memory storage device integrated with a USB 1.1 or 2.0 interface.</td>
</tr>
<tr>
<td><strong>WMA (Windows Media Audio)</strong></td>
<td>WMA is an audio data compression technology developed by Microsoft.</td>
</tr>
<tr>
<td><strong>WMV (Windows Media Video)</strong></td>
<td>WMV is a video data compression technology developed by Microsoft.</td>
</tr>
<tr>
<td><strong>XM</strong></td>
<td>XM Satellite Radio is one of two satellite radio services in the United States and Canada, operated by Sirius XM Radio.</td>
</tr>
<tr>
<td><strong>2-dimensional and 3-dimensional positioning</strong></td>
<td>GPS calculates position based on a three-point system. Distance from the first satellite is first calculated, and then current position is calculated using information received from three satellites. Even if signals are received from 3 GPS satellites, only latitude and longitude can be measured, giving 2-dimensional positioning. This results in lower accuracy. When information can be obtained from 4 satellites, latitude, longitude, and height measurements can be obtained for 3-dimensional positioning. This is more accurate than 2D positioning, and results in a decreased occurrence of vehicle positioning errors.</td>
</tr>
</tbody>
</table>