

## Operation Manual

FLASH MEMORY MULTIMEDIA AV NAVIGATION  
RECEIVER

# AVIC-Z120BT AVIC-X920BT

**Notice to all users:**

This software requires that the navigation system is properly connected to your vehicle's parking brake and depending on your vehicle, additional installation may be required. For more information, please contact your Authorized Pioneer Electronics retailer or call us at (800) 421-1404.

Be sure to read **Important Information for the User** first!

**Important Information for the User** includes the important information that you must understand before using this navigation system.

 HD Radio  
READY

**SUPER TUNER III** 

---

*English*

## Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. *After you have finished reading the instructions, keep this manual in a safe place for future reference.*



### Important

The screens shown in the examples may differ from actual screens.  
Actual screens may be changed without notice for performance and function improvements.

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# Introduction

## Manual overview

Before using this product, be sure to read **Important Information for the User** (a separate manual) which contains warnings, cautions, and other important information that you should note.

## How to use this manual

### Finding the operation procedure for what you want to do

When you have decided what you want to do, you can find the page you need from the *Contents*.

### Finding the operation procedure from a menu name

If you want to check the meaning of an item displayed on the screen, you will find the necessary page from the *Display information* at the end of the manual.

### Glossary

Use the glossary to find the meanings of terms.

## Conventions used in this manual

Before moving on, take a few minutes to read the following information about the conventions used in this manual. Familiarity with these conventions will help you greatly as you learn how to use your new equipment.

- Buttons on your navigation system are described in **ALL CAPITAL, BOLD** lettering: e.g.) **MENU** button, **MAP** button.
- Items in different menus, screen titles, and functional components are described in **bold** with double quotation marks “ ”: e.g.) “**Destination Menu**” screen or “**AV Source**” screen
- Touch panel keys that are available on the screen are described in **bold** in brackets []:

e.g.)

[**Destination**], [**Settings**].

- Extra information, alternatives and other notes are presented in the following format: e.g.)
  - If the home location has not been stored yet, set the location first.
- Descriptions of separate operations to be performed on the same screen are indicated with ■ at the beginning of the description: e.g.)
  - Touch [**OK**].
- References are indicated like this: e.g.)
  - ➔ For details, refer to *How to use the navigation menu screens* on page 22.

## Terms used in this manual

### “Front Display” and “Rear Display”

In this manual, the screen that is attached to the body of this navigation unit will be referred to as the “Front Display”. Any additional optional screen that is purchased for use in conjunction with this navigation unit will be referred to as the “Rear Display”.

### “Video image”

“Video image” in this manual indicates moving images of DVD-Video, DivX®, iPod, and any equipment that is connected to this system with an RCA cable, such as general-purpose AV equipment.

### “External storage device (USB, SD)”

The SD memory card, SDHC memory card, microSD card, microSDHC card and USB memory device are collectively referred to as the “external storage device (USB, SD)”. If it indicates the USB memory only, it is referred to as the “USB storage device”.

**“SD memory card”**

The SD memory card, SDHC memory card, microSD card and microSDHC card are collectively referred to as the “SD memory card”. □

**Notice regarding video viewing**

Remember that use of this system for commercial or public viewing purposes may constitute an infringement on the author’s rights as protected by the Copyright Law. □

**Notice regarding DVD-Video viewing**

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited. □

**Notice regarding MP3 file usage**

Supply of this navigation system conveys only a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating), real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is

required. For details, please visit <http://www.mp3licensing.com>. □

**iPod compatibility**

This product supports only the following iPod models and iPod software versions. Others may not work correctly.

- iPod nano first generation: Ver. 1.3.1
  - iPod nano second generation: Ver. 1.1.3
  - iPod nano third generation: Ver. 1.1.3
  - iPod nano fourth generation: Ver. 1.0.3
  - iPod nano fifth generation: Ver. 1.0.1
  - iPod fifth generation: Ver. 1.3
  - iPod classic: Ver. 2.0.2
  - iPod touch first generation: Ver. 3.1.1
  - iPod touch second generation: Ver. 3.1.1
  - iPhone: Ver. 3.1.2
  - iPhone 3G: Ver. 3.1.2
  - iPhone 3GS: Ver. 3.1.2
- In this manual, iPod and iPhone will be referred to as iPod.
- When you use this navigation system with a Pioneer USB interface cable for iPod (CD-IU50V) (sold separately), you can control an iPod compatible with this navigation system.
- To obtain maximum performance, we recommend that you use the latest software for the iPod.
- Operation methods may vary depending on the iPod models and the software version of iPod.
- For details about iPod compatibility with this navigation system, refer to the information on our website.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc. □

**Map coverage**

For details about the map coverage of this navigation system, refer to the information on our website. □

## Protecting the LCD panel and screen

- ❑ Do not allow direct sunlight to fall on the LCD screen when this product is not being used. Extended exposure to direct sunlight can result in LCD screen malfunction due to the resulting high temperatures.
- ❑ When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of spots, colored stripes, etc.
- ❑ To protect the LCD screen from damage, be sure to touch the touch panel keys with your finger only and gently touch the screen. ■

*ing the navigation system to the default or factory settings on page 186. ■*

## Notes on internal memory

### Before removing the vehicle battery

If the battery is disconnected or discharged, the memory will be erased and must be reprogrammed.

- ❑ Some data remains. Be sure to read *Returning the navigation system to the default or factory settings* first.
  - ➔ For detailed information about the items which would be erased, refer to *Returning the navigation system to the default or factory settings* on page 186.

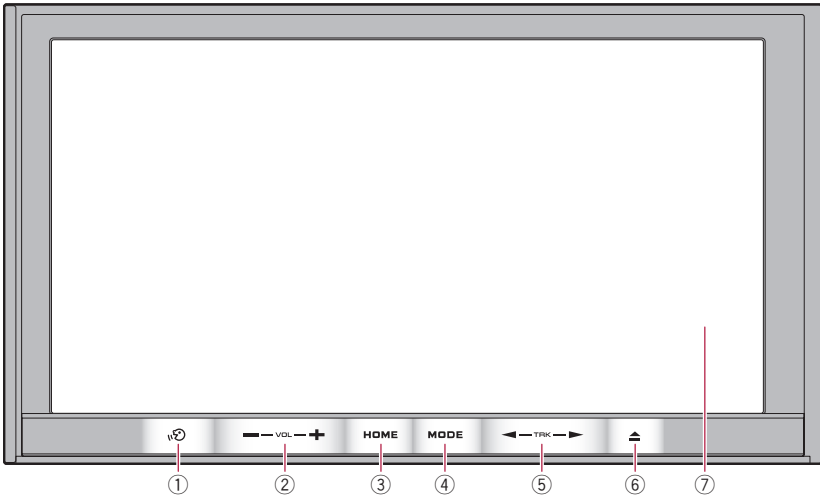
### Data subject to erasure

The information is erased by disconnecting the yellow lead from the battery (or removing the battery itself). However, some items remain.

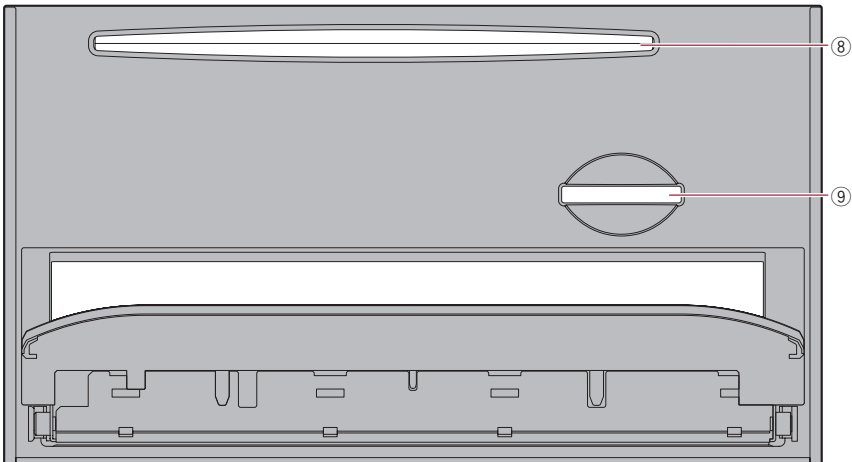
- ❑ Some data remains. Be sure to read *Returning the navigation system to the default or factory settings* first.
  - ➔ For detailed information about the items which would be erased, refer to *Return-*

## Checking part names and functions

This chapter gives information about the names of the parts and the main features using the buttons.

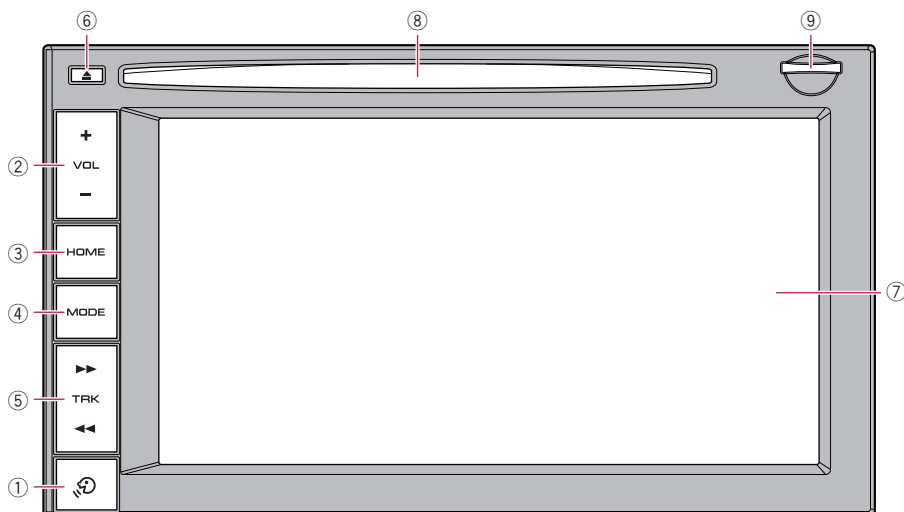


**AVIC-Z120BT (with the LCD panel closed)**






**AVIC-Z120BT (with the LCD panel open)**

# Basic operation



## AVIC-X920BT

- ① **Voice button**  
Press the  button to activate voice operations.  
Press and hold the  button to switch the AV source to mute.  
To cancel the muting, press and hold it again.
  - ② **VOL (+/-) button**  
Press to adjust the AV (Audio and Video) source volume.
  - ③ **HOME button**
    - Press the **HOME** button to display the “**Top Menu**” screen.
    - Press to switch between the “Classic Menu” and the “Shortcut Menu” while the “**Top Menu**” is displayed.
      - ➡ For details, refer to *What you can do on each menu* on page 23.
    - Press and hold to turn off the screen display.
  - ④ **MODE button**
    - Press to switch between the map screen and the AV operation screen.
  - ⑤ **TRK button**  
Press to perform manual seek tuning, fast forward, reverse and track search controls.  
➡ For details, refer to the descriptions from Chapter 14 to Chapter 30.
  - ⑥ **▲ button**
  - ⑦ **LCD screen**
  - ⑧ **Disc loading slot**  
Insert a disc to play.  
➡ For details of the operation, refer to *Inserting and ejecting a disc* on the next page.
  - ⑨ **SD card slot**  
➡ For more detailed information, refer to *Inserting and ejecting an SD memory card* on page 15. 
- Press to display the map screen while the navigation function screen is displayed.
  - Press and hold to display the “**Picture Adjustment**” screen.
    - ➡ For details, refer to *Adjusting the picture* on page 167.

## Adjusting the LCD panel angle

- This function is available for AVIC-Z120BT only.

### ! WARNING

When opening, closing and adjusting the angle of the LCD panel, be careful not to get your fingers caught.

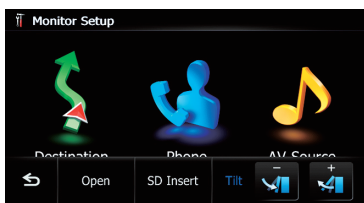
### ! CAUTION

Do not open or close the LCD panel by force. This may cause malfunction.

#### 1 Press the **▲** button.

The **"Monitor Setup"** screen appears.

#### 2 Touch **↙** or **↘** to adjust the angle.



#### 3 Touch **↻**.

- The adjusted angle of the LCD panel will be memorized and the LCD panel will automatically return to that angle the next time the LCD panel is opened or closed. □

## Inserting and ejecting a disc

### Inserting a disc (for AVIC-Z120BT)

- This section describes operations for AVIC-Z120BT.

### ! WARNING

- When opening, closing and adjusting the angle of the LCD panel, be careful not to get your fingers caught.

- Do not use with the LCD panel left open. If LCD panel is left open, it may result in injury in the event of an accident.

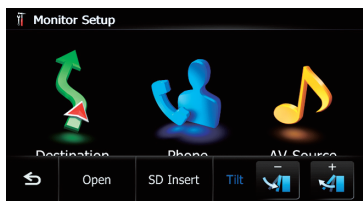
### ! CAUTION

- Do not open or close the LCD panel by force. This may cause malfunction.
- Do not operate this navigation system until the LCD panel completely opens or closes. If this navigation system is operated while the LCD panel is opening or closing, the LCD panel may stop at that angle for safety.
- Do not place a glass or a can on the open LCD panel. Doing so may break this navigation system.
- Do not insert anything other than a disc into the disc loading slot.

#### 1 Press the **▲** button.

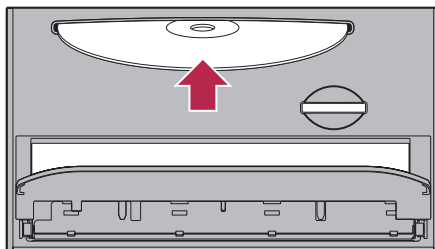
The **"Monitor Setup"** screen appears.

#### 2 Touch **[Open]**.



The LCD panel opens, and the disc loading slot appears.

#### 3 Insert a disc into the disc loading slot.



The disc is loaded, and the LCD panel closes.

## Basic operation

### Ejecting a disc (for AVIC-Z120BT)

❑ This section describes operations for AVIC-Z120BT.

#### 1 Press the **▲** button.

The "Monitor Setup" screen appears.

#### 2 Touch [Disc Eject].



The LCD panel opens, and the disc is ejected.

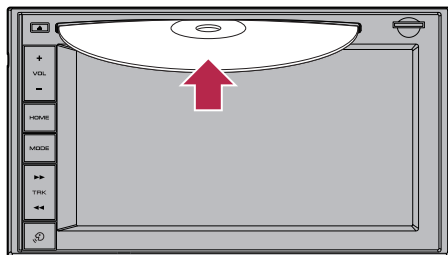
#### 3 Remove the disc, and press the **▲** button.

The LCD panel closes.

### Inserting a disc (for AVIC-X920BT)

❑ This section describes operations for AVIC-X920BT.

#### ● Insert a disc into the disc loading slot.



❑ Do not insert anything other than a disc into the disc loading slot.

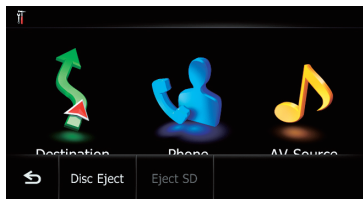
### Ejecting a disc (for AVIC-X920BT)

❑ This section describes operations for AVIC-X920BT.

#### 1 Press the **▲** button.

The touch panel keys for ejecting the media appear.

#### 2 Touch [Disc Eject].



The disc is ejected.

### Inserting and ejecting an SD memory card

#### ⚠ WARNING

Ejecting an SD memory card during data transfer can damage the SD memory card. Be sure to eject the SD memory card by following the procedure described in this manual.

#### ⚠ CAUTION

If data loss or corruption occurs on the storage device for any reason, it is usually not possible to recover the data. Pioneer accepts no liability for damages, costs or expenses arising from data loss or corruption.

- ❑ This system is not compatible with Multi Media Card (MMC).
- ❑ Compatibility with all SD memory cards is not guaranteed.
- ❑ This unit may not achieve optimum performance with some SD memory cards.

### Inserting an SD memory card (for AVIC-Z120BT)

❑ This section describes operations for AVIC-Z120BT.

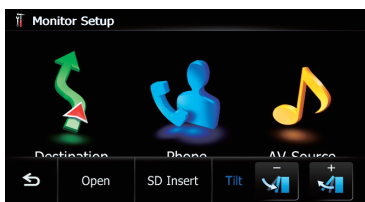
### ⚠ CAUTION

- Do not press the **▲** button when an SD memory card is not fully inserted. Doing so may damage the card.
- Do not press the **▲** button before an SD memory card has been completely removed. Doing so may damage the card.

#### 1 Press the **▲** button.

The “**Monitor Setup**” screen appears.

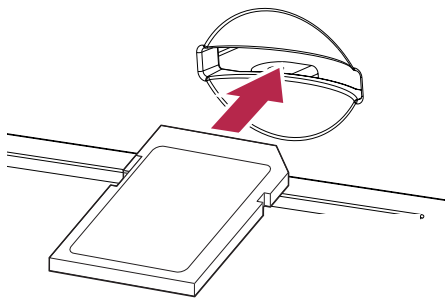
#### 2 Touch [SD Insert].



The LCD panel opens, and the SD card slot appears.

#### 3 Insert an SD memory card into the SD card slot.

Insert it with the label surface facing to the upside and press the card until it clicks and completely locks.



#### 4 Press the **▲** button.

The LCD panel closes.

- If data related to map data, such as customized POI data, is stored on the SD memory card, the navigation system restarts.

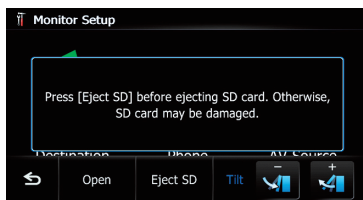
### Ejecting an SD memory card (for AVIC-Z120BT)

- This section describes operations for AVIC-Z120BT.

#### 1 Press the **▲** button.

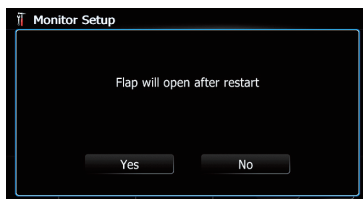
The “**Monitor Setup**” screen appears.

#### 2 Touch [Eject SD].



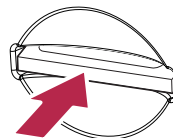
The LCD panel opens.

- Touch [Yes] if the message indicating that the flap opens after the navigation system restarts appears.



The navigation system restarts, and then the LCD panel opens.

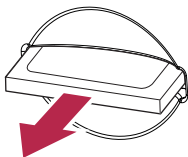
#### 3 Press the middle of the SD memory card gently until it clicks.





## Basic operation

### 4 Pull the SD memory card out straight.



### 5 Press the ▲ button.

The LCD panel closes.

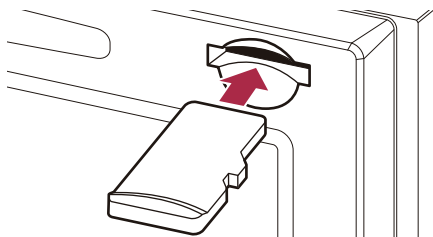
- ❑ If data related to map data, such as customized POI data, is stored on the SD memory card, the navigation system restarts.
- ❑ When you eject the SD memory card by touching [Eject SD], the model information that you are using will be automatically stored into the SD memory card. The utility program AVIC FEEDS will use this information to recognize the model that you use.

## Inserting an SD memory card (for AVIC-X920BT)

- ❑ This section describes operations for AVIC-X920BT.

### ● Insert an SD memory card into the SD card slot.

Insert the SD memory card with the terminal contacts facing down, and press the card until it clicks and locks completely.



- ❑ If data related to map data, such as customized POI data, is stored on the SD memory card, the navigation system restarts.

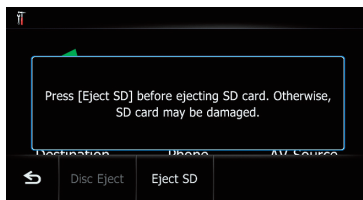
## Ejecting an SD memory card (for AVIC-X920BT)

- ❑ This section describes operations for AVIC-X920BT.

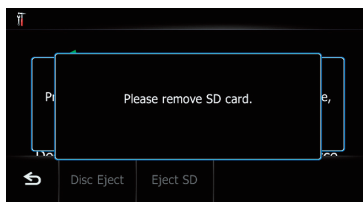
### 1 Press the ▲ button.

The touch panel keys for ejecting the media appear.

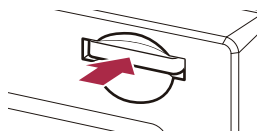
### 2 Touch [Eject SD].



A message prompting you to remove the SD memory card appears.



### 3 Press the middle of the SD memory card gently until it clicks.



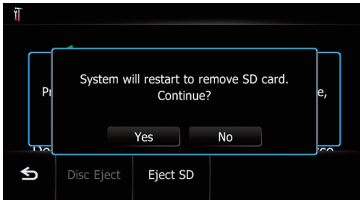
### 4 Pull the SD memory card out straight.



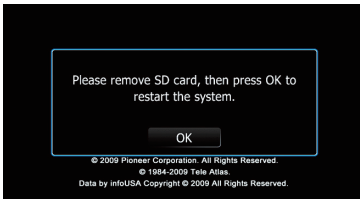
## When the data related to map data is stored

If data related to map data, such as customized POI data, is stored on the SD memory card, operating procedures are slightly different.

- 1 Press the **▲** button and then touch [Eject SD].
- 2 Touch [Yes].



The navigation system restarts, and a message prompting you to remove the SD memory card appears.



- 3 Eject the SD memory card while the message is displayed. Eject the SD memory card before touching [OK].

- 4 Touch [OK]. The navigation system restarts.

## Plugging and unplugging a USB storage device

### ⚠ CAUTION

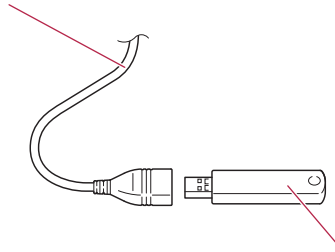
- To prevent data loss and damage to the storage device, never remove it from this navigation system while data is being transferred.

- If data loss or corruption occurs on the storage device for any reason, it is usually not possible to recover the data. Pioneer accepts no liability for damages, costs or expenses arising from data loss or corruption.

## Plugging in a USB storage device

- Plug a USB storage device into the USB connector.

USB connector



USB storage device

- Compatibility with all USB storage devices is not guaranteed. This navigation system may not achieve optimum performance with some USB storage devices.
- Connection via a USB hub is not possible.

## Unplugging a USB storage device

- Pull out the USB storage device after checking that no data is being accessed.

## Connecting and disconnecting an iPod

### ⚠ CAUTION

- To prevent data loss and damage to the storage device, never remove it from this navigation system while data is being transferred.

## Basic operation

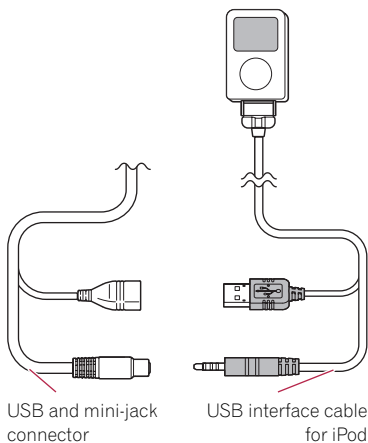
- If data loss or corruption occurs on the storage device for any reason, it is usually not possible to recover the data. Pioneer accepts no liability for damages, costs or expenses arising from data loss or corruption.

### Connecting your iPod

Using the USB interface cable for iPod enables you to connect your iPod to the navigation system.

- A USB interface cable for iPod (CD-IU50V) (sold separately) is required for connection.

#### 1 Pull out the USB storage device after checking that no data is being accessed.



- For details about iPod compatibility with this navigation system, refer to the information on our website.
- Connection via a USB hub is not possible.

#### 2 Connect your iPod.

### Disconnecting your iPod

- Pull out the USB interface cable for iPod after checking that no data is being accessed. □

### Flow from startup to termination

#### 1 Start the engine to boot up the system.

After a short pause, the splash screen comes on for a few seconds.

- To protect the LCD screen from damage, be sure to touch the touch panel keys with your finger only and gently touch the screen.

#### 2 Turn off the vehicle engine to terminate the system.

The navigation system is also turned off. □

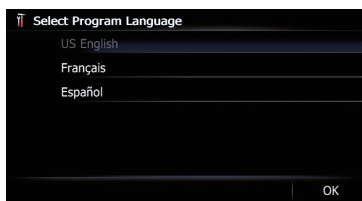
### On first-time startup

When you use the navigation system for the first time, select the language that you want to use.

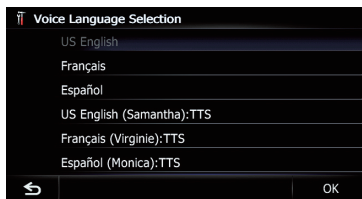
#### 1 Start the engine to boot up the system.

After a short pause, the splash screen comes on for a few seconds.

#### 2 Touch the language that you want to use on the screen.



#### 3 Touch the language that you want to use for the voice guidance.

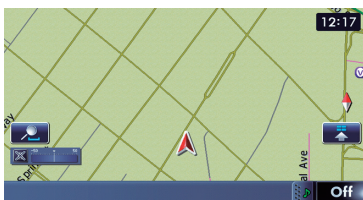


The navigation system will now restart.

#### 4 Read the disclaimer carefully, checking its details, and then touch [OK] if you agree to the conditions.



The map screen appears.



## Regular startup

- **Start the engine to boot up the system.**

After a short pause, the splash screen comes on for a few seconds.

- The screen shown will differ depending on the previous conditions.
- When there is no route, the disclaimer appears after the navigation system reboots. Read the disclaimer carefully, checking its details, and then touch **[OK]** if you agree to the conditions.
- If the anti-theft function is activated, you must enter your password. Read the disclaimer carefully, checking its details, and then touch **[OK]** if you agree to the conditions. □