

## **Upgrade Instructions and Operation Manual Addendum**

2011 NAVIGATION UPGRADE microSDHC-CARD

# **CNSD-210FM**

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## Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly.



### 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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## Precaution

- Read the entire manual before upgrading the program of your navigation system.
- This package is unique, and cannot be installed on more than one unit.
- Web-connected computer is required for online issuance of password.

## Failure to operate

- Should the navigation system fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.
- Do not lose the supplied Media Number Card (MEDIA NUMBER CARD). If the Media Number Card is lost, reissue of the Media Number (MEDIA NUMBER) is not possible. Also you must submit the Media Number Card when repairs are needed. The card is necessary as proof of authenticity if service is required (including recovery).

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## “microSD card”

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- ❑ microSD Logo is a trademark of SD-3C, LLC.



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## Models to be upgraded

This package can upgrade the software program and database of the following models:

- AVIC-Z110BT
- AVIC-Z120BT
- AVIC-X920BT
- CNSD-110FM
- ❑ In this manual, CNSD-110FM indicates the navigation system that is upgraded from

AVIC-Z110BT using the software upgrade CNSD-110FM. ■

## Manual overview

This manual describes how to get the password and activate the upgrade. It also provides an overview of how functions change after the upgrade.

By upgrading AVIC-Z110BT, AVIC-Z120BT or CNSD-110FM with this product, functions and operations will be nearly equivalent to AVIC-Z130BT. Therefore, obtain Operation Manual for AVIC-Z130BT and use it as your primary reference.

By upgrading AVIC-X920BT with this product, functions and operations will be nearly equivalent to AVIC-X930BT. Therefore, obtain Operation Manual for AVIC-X930BT and use it as your primary reference.

<http://www.pioneerelectronics.com>

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## Unchanged functions on the upgraded program

Even if you upgrade AVIC-Z110BT, AVIC-Z120BT, AVIC-X920BT or CNSD-110FM with this product, the following functions do not become the same as AVIC-Z130BT or AVIC-X930BT.

Therefore, refer to Operation Manual included in the package of your navigation system for operation procedures.

- Using the equalizer
- HD Radio™ reception
- Operating your navigation system with voice
- Setting the simulated sound stage
- Switching the auto antenna setting (for AVIC-Z110BT and CNSD-110FM)

## Precaution

- Changing the voice output of the navigation guidance (for AVIC-Z110BT and CNSD-110FM)

Even if you upgrade AVIC-Z110BT, AVIC-Z120BT, AVIC-X920BT or CNSD-110FM with this product, the following functions are unavailable.

- Storing song information to an iPod (iTunes Tagging)
- Displaying your DivX VOD deregistration code
- Using sonic center control
- Adjusting the equalizer curve automatically (Auto EQ) 

## Setting items to be deleted and initialized by upgrade

The following data and settings will be cleared and reset to default values. Other items will be retained. However, some items are not listed because the setting can be easily recovered by users, such as the last cursor position on the map screen.

### Route setting

- Current route
- Learning route data

### Map function

Setting of "Overlay POI"

The user data stored in the internal memory of the unit may be erased if an unexpected error occurs during software installation. Pioneer is not responsible for any data loss or unavailability of user data.



## Functions disabled by upgrade (for AVIC-Z110BT)

Upgrading disables the following functions.

### Displaying Voice icon

The **Voice** icon displayed on the map screen will no longer appear.

### Displaying power voltage

"**Power Voltage**" on the "**GPS Status**" screen will no longer appear.

### Searching for a name by entering multiple keywords

The function of searching by entering multiple keywords will be unavailable.

When you enter characters, the system will automatically search the database for all possible options. Only the characters you enter are active.

### Browsing information on MSN Direct

This upgrade will deactivate all MSN Direct features currently available on your unit regardless of your subscription status. To continue to receive MSN Direct service until the deactivation date, do not install this upgrade. The MSN Direct service will be available only until January 1, 2012. More information is available at <http://www.pioneerelectronics.com/MSNDirectNotice>.

### Displaying the "AV Source" menu

The "**AV Source**" menu to select the audio and visual source will no longer appear. 

## Functions disabled by upgrade (for AVIC-Z120BT, AVIC-X920BT and CNSD-110FM)

-  In this manual, CNSD-110FM indicates the navigation system that is upgraded from AVIC-Z110BT using the software upgrade CNSD-110FM.

Upgrading disables the following functions.

### Searching for a name by entering multiple keywords

The function of searching by entering multiple keywords will be unavailable.

When you enter characters, the system will automatically search the database for all possible options. Only the characters you enter are active.

### Browsing information on MSN Direct

This upgrade will deactivate all MSN Direct features currently available on your unit regardless of your subscription status. To continue to receive MSN Direct service until the deactivation date, do not install this upgrade. The MSN Direct service will be available only until January 1, 2012. More information is available at

<http://www.pioneerelectronics.com/MSNDirectNotice>.



## 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.)  
Press the **MODE** button or the **HOME** button.
- Menu items, screen titles, and functional components are described in **bold** with double quotation marks “ ”; e.g.)  
The “**System Settings**” screen appears.
- Touch panel keys that are available on the screen are described in **bold** in brackets [ ]: e.g.)  
Touch [**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.
- Functions of other keys on the same screen are indicated with ■ at the beginning of the description: e.g.)  
  - If you touch [**OK**], the entry is deleted.
- References are indicated like this: e.g.)  
  - ☞ For details of the operation, refer to *Checking the device number* on page 22. ■

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## About the database

### About the data for the map database

- Modifications related to roads, streets/highways, terrain, construction and other things before/during the development period may not be reflected in this database. Inevitably, those modifications after that period are not reflected in this database.
- Regardless of existing and newly-built things, the data may be different from the actual condition.
- For details about the map coverage of this navigation system, refer to the information on our website.
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- If the local traffic regulations or conditions deviate from this data, follow the local traffic regulations (such as signs, indications, etc.) and conditions (such as construction, weather, etc.).
- The traffic regulation data used in the map database applies only to standard sized passenger vehicles. Note that regulations for larger vehicles, motorbikes, and other non-standard vehicles are not included in the database.
- As for Map Version, Tele Atlas. Rel. 09/2010.
- © 2011 INCREMENT P CORP. ALL RIGHTS RESERVED. 

### Icons for XM Satellite Radio

The icon of each broadcast station is contained in the NAND flash memory based on the data provided by XM Satellite Radio as of September 2010.

Any changes made by XM Satellite Radio in the lineup or icon of the broadcast station in the future may not be supported by the navigation system, and may cause the unit to display incorrect icons. 

## The navigation system upgrade process

- 1 Check the device number of your navigation system.  
➤ For details of the operation, refer to *Checking the device number* on this page.

↓

- 2 Get the password for authentication.  
➤ For details, refer to *Getting the password for authentication* on this page.

↓

- 3 Upgrade the software program of your navigation system.  
➤ For details of the operation, refer to *Upgrading the software program and the map database* on the next page.

↓

- 4 Check whether the upgrade was done properly.  
➤ For details of the operation, refer to *Checking whether the upgrade was done properly* on page 24.

↓

- 5 Update the Bluetooth firmware.  
➤ For details of the operation, refer to *Updating the Bluetooth wireless technology software (for AVIC-Z110BT)* on page 25.  
➤ For details of the operation, refer to *Updating the Bluetooth wireless technology software (for AVIC-Z120BT, AVIC-X920BT and CNSD-110FM)* on page 27.



## Preparation for upgrade

### Checking the device number

First, check your device number (DEVICE NUMBER, displayed such as Device # or Device Number) of your navigation system for later procedures. To display the device number, do the following.

**1 Press the HOME button to display the “Top Menu” screen.**

**2 Touch [Settings].**  
The “Settings Menu” screen appears.

**3 Touch [System Settings].**  
The “System Settings” screen appears.

**4 Touch [Service Information].**  
The “Service Information Screen” screen appears.

**5 Write down your device number (Device Number) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.**

- ☐ Also write down “Version” information which would be used to confirm completion of the update.

### Getting the password for authentication

For upgrade, a unique password issued online is necessary. Access the website with your PC and get your password.

The following information is required.

- Media Number (MEDIA NUMBER) printed on supplied Media Number Card (MEDIA NUMBER CARD)
- Device Number (DEVICE NUMBER) of your navigation system
- ☐ If you don't have the web-connected computer for the online issuance of password, please contact your Authorized Pioneer Electronics retailer or call the companies listed at “After-sales service for Pioneer products on page 9”.

## Instructions for upgrading

**1 Access on the following website to issue your password.**

<http://www.pioneer-navigationupdate.com>

In Canada:

<http://www.pioneer-navigationupdate.ca>

For issuing the password, follow the instruction on the website.

**2 Record the password that you received.**

You need to input this password accurately.

Write down your password to avoid mistakes. ■

## Upgrade procedures

- NEVER stop the engine of your vehicle or turn off the power supply to the navigation system until the installation is completed. Turning the power off during upgrade process causes a malfunction or failure of the navigation system.
- No functions are available during upgrade process.

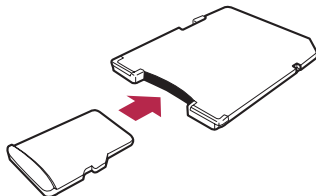
## Upgrading the software program and the map database

This section describes the upgrade procedures for your navigation system.

- The upgrade takes approximately 30 minutes in total.

**1 Park your vehicle in a safe place and apply the parking brake.**

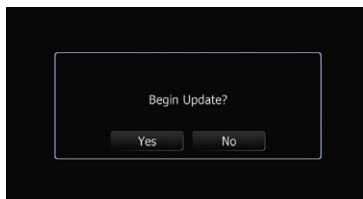
**2 Insert the upgrade microSD card #1 (8 GB) into the SD card adapter (only for AVIC-Z110BT, AVIC-Z120BT and CNSD-110FM).**



**3 Insert the upgrade microSD card #1 (8 GB) into the SD card slot.**

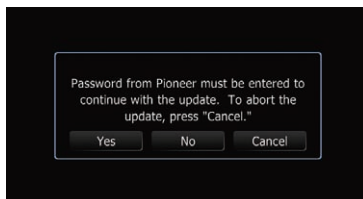
The message confirming whether or not to start the update will appear.

**4 Touch [Yes].**



The message confirming whether or not to enter the password will appear.

**5 Touch [Yes].**



After a short pause, the keyboard for entering the password will appear.

- If you touch **[No]**, the device number (Device #) of your navigation system will appear.
- If you touch **[Cancel]**, the update will be canceled.

# Instructions for upgrading

6 Enter the password for authentication that you obtained, then touch [OK].

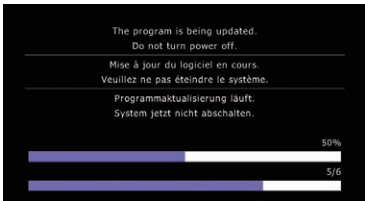
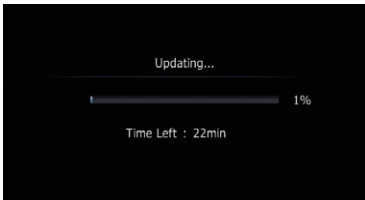


A message confirming whether to restart the navigation system appears.

7 Touch [OK].

The navigation system restarts and then the installation begins.

8 Wait until the upgrade process is complete.



After the installation is complete, the navigation system restarts.

## Checking whether the upgrade was done properly

Display “Service Information Screen” screen to compare the current version number with the previous one.

1 Press the HOME button to display the “Top Menu” screen.

2 Touch [Settings].  
The “Settings Menu” screen appears.

3 Touch [System Settings].  
The “System Settings” screen appears.

4 Touch [Service Information].  
The “Service Information Screen” screen appears.

5 Check the version information.

6 Eject the upgrade microSD card #1 (8 GB).

# Instructions for upgrading

## Updating the Bluetooth wireless technology software (for AVIC-Z110BT)

- ❑ This update is for customers updating the Bluetooth firmware of AVIC-Z110BT for the first time.
- ❑ For customers who upgraded the software of AVIC-Z110BT with CNSD-110FM, refer to *Updating the Bluetooth wireless technology software (for AVIC-Z120BT, AVIC-X920BT and CNSD-110FM)* on page 27.

Access the Pioneer website to check your phone's compatibility. If your phone is on the list and you wish to update, manually update the Bluetooth firmware after the automatic upgrade is finished.

<http://www.pioneerelectronics.com>

In Canada

<http://www.pioneerelectronics.ca>

### CAUTION

- Be sure to upgrade your navigation system first.
- Be careful to follow the update procedure correctly. If you make a mistake, Bluetooth wireless technology functions will become unavailable.
  - ❑ Consult your authorized dealer if you are unable to use Bluetooth wireless technology functions.
- Be sure to complete the Bluetooth firmware update procedure without interruption.
- ❑ Registered phones that are listed on the "Connection List" screen are cleared by the software update.

### 1 Insert the upgrade microSD card #1 (8 GB) into the SD card adapter.

### 2 Insert the upgrade microSD card #1 (8 GB) into the SD card slot.

### 3 Press the HOME button to display the "Top Menu" screen.

### 4 Touch [Settings].

The "Settings Menu" screen appears.

### 5 Touch [Bluetooth Settings].

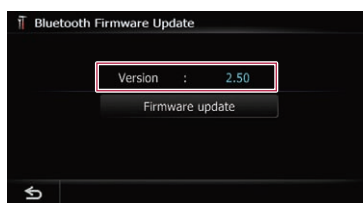
The "Bluetooth Settings" screen appears.

### 6 Touch [Firmware update].

The current version is displayed.

### 7 Confirm the Bluetooth firmware version.

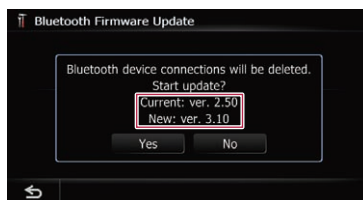
Make sure that the current version is 2.50.



### 8 Touch [Firmware update].

The message confirming whether or not to start the update will appear.

### 9 Make sure that the current Bluetooth firmware version is 2.50 and the new Bluetooth firmware version is 3.10.



### 10 Touch [Yes].

Update starts.

# Instructions for upgrading

**11 Wait until the upgrade process is complete.**

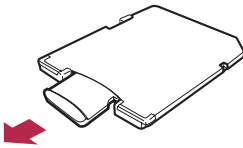
A message will appear after the update is complete.

**12 Touch [OK].**

The message disappears, and the map screen returns.

**13 Eject the upgrade microSD card #1 (8 GB).**

**14 Eject the upgrade microSD card #1 (8 GB) from the SD card adapter.**



**15 Insert the upgrade microSD card #2 (2 GB) into the SD card adapter.**

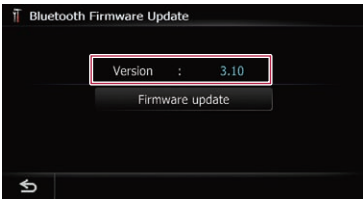
**16 Insert the upgrade microSD card #2 (2 GB) into the SD card slot.**

**17 Repeat steps 3 through 6.**

**18 Confirm the Bluetooth firmware version.**

Make sure that the current version is 3.10.

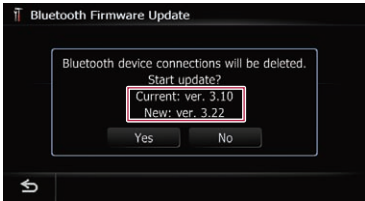
- ☐ If the current version is 2.50, return to step 1.



**19 If the current version is 3.10, touch [Firmware update].**

The message confirming whether or not to start the update will appear.

**20 Make sure that the current Bluetooth firmware version is 3.10 and the new Bluetooth firmware version is 3.22.**



**21 Touch [Yes].**

Update starts.

**22 Wait until the upgrade process is complete.**

A message will appear after the update is complete.

**23 Touch [OK].**

The message disappears, and the map screen returns.

**24 Eject the upgrade microSD card #2 (2 GB).**

Update is completed.

# Instructions for upgrading

## Updating the Bluetooth wireless technology software (for AVIC-Z120BT, AVIC-X920BT and CNSD-110FM)

- ❑ In this manual, CNSD-110FM indicates the navigation system that is upgraded from AVIC-Z110BT using the software upgrade CNSD-110FM.

Access the Pioneer website to check your phone's compatibility. If your phone is on the list and you wish to update, manually update the Bluetooth firmware after the automatic upgrade is finished.

<http://www.pioneerelectronics.com>

In Canada

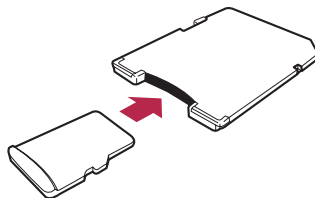
<http://www.pioneerelectronics.ca>



### CAUTION

- Be sure to upgrade your navigation system first.
- Be careful to follow the update procedure correctly. If you make a mistake, Bluetooth wireless technology functions will become unavailable.
  - ❑ Consult your authorized dealer if you are unable to use Bluetooth wireless technology functions.
- Be sure to complete the Bluetooth firmware update procedure without interruption.
- ❑ Registered phones that are listed on the "Connection List" screen are cleared by the software update.

- 1 Insert the upgrade microSD card #2 (2 GB) into the SD card adapter (only for AVIC-Z120BT and CNSD-110FM).



- 2 Insert the upgrade microSD card #2 (2 GB) into the SD card slot.

- 3 Press the HOME button to display the "Top Menu" screen.

- 4 Touch [Settings].

The "Settings Menu" screen appears.

- 5 Touch [Bluetooth Settings].

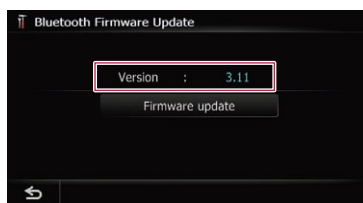
The "Bluetooth Settings" screen appears.

- 6 Touch [Firmware update].

The current version is displayed.

- 7 Confirm the Bluetooth firmware version.

Make sure that the current version is 3.11.



- 8 If the current version is 3.11, touch [Firmware update].

The message confirming whether or not to start the update will appear.

**9 Make sure that the current Bluetooth firmware version is 3.11 and the new Bluetooth firmware version is 3.22.**



**10 Touch [Yes].**

Update starts.

**11 Wait until the upgrade process is complete.**

A message will appear after the update is complete.

**12 Touch [OK].**

The message disappears, and the map screen returns.

**13 Eject the upgrade microSD card #2 (2 GB).**

Update is completed. ■

## Changes on the upgraded program

If you upgrade your navigation system using this product, the system will have the following changes.

### For customers using AVIC-Z110BT

#### Eco-friendly driving functions

- The eco-friendly driving functions are an estimate of the real time fuel consumption to average fuel consumption ratio and is not an actual value.
- The eco-friendly driving functions and calculations take into consideration the location of the GPS position and speed of the vehicle in determining a value.
- Indications of the navigation system may be different from the actual value.
- Some of the features of the navigation system do not take in to consideration the type of vehicle it is installed into.

Upgrading enables the Eco-driving function, which supports environmentally-friendly driving.

- Displaying Eco-Meter on the map
- Checking the eco-friendly driving status
- Displaying Eco Drive Level guidance
- Sudden start alert

#### Displaying check marks on the "Overlay POI (Main Category)" screen

A check mark appears next to the main category containing the selected sub-category.

#### Switching the playback of the voice recognition beep

You will be able to make settings to turn on and off the beep sound that plays when voice recognition starts.

- ☐ This setting is available on the "Volume Settings" screen.

#### Setting the illumination color

"Memory 3" will be changed to "Eco".

#### Searching for a name by entering characters

When you enter characters on a search screen, the system will automatically search the database for all possible options. Only the characters you enter are active.

#### Using traffic information

The navigation system provides the following functions by using the information from RDS-TMC service:

- Displaying a list of traffic information
- Displaying traffic information on a map
- Suggesting a route to avoid traffic congestion by using traffic information

#### AV functions

The AV source screen design and operation procedure will be changed.

- ☐ Refer to this manual for DVD-VR operation procedures.
- ➡ For details of the operation, refer to *Playing a DVD-VR disc* on page 31. ☐

### For customers using AVIC-Z120BT, AVIC-X920BT or CNSD-110FM

- ☐ In this manual, CNSD-110FM indicates the navigation system that is upgraded from AVIC-Z110BT using the software upgrade CNSD-110FM.

## Searching for a name by entering characters

When you enter characters on a search screen, the system will automatically search the database for all possible options. Only the characters you enter are active.

## Using traffic information

The navigation system provides the following functions by using the information from RDS-TMC service:

- Displaying a list of traffic information
- Displaying traffic information on a map
- Suggesting a route to avoid traffic congestion by using traffic information 

## Playing a DVD-VR disc

- ❑ This function is available for AVIC-Z110BT and CNSD-110FM.

You can play a DVD-VR (DVD Video Recording Format) disc using the built-in drive of the navigation system. This section describes operations for DVD-VR discs.

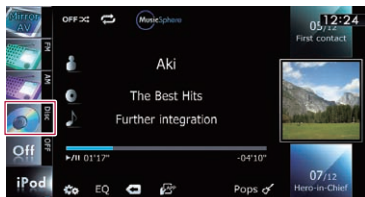
### Starting procedure

**1 Press the MODE button to display the AV operation screen.**

**2 Insert the disc you want to play into disc-loading slot.**

The source changes and then playback will start.

- ❑ If the disc is already set, tap [Disc] on the left edge of the screen.



**3 Use the touch panel keys on the screen to control the disc.**

- ➡ For details, refer to *Using the touch panel keys* on the next page. ❑

Shows the title number currently playing.

**② Audio track indicator**

Shows the audio track number currently selected.

**③ Chapter number indicator**

Shows the chapter number currently playing.

**④ Audio channel indicator**

Shows the current audio channel type, such as "Mch" (Multi-channel).

**⑤ Play mode indicator**

Shows the current play mode.

➡ For details, refer to *Switching the playback mode* on page 34.

**⑥ Mixing condition indicator**

Shows the current mixing condition.

➡ For details, refer to *Selects audio output* on page 36.

**⑦ Current time**

**⑧ Digital sound format indicator**

Shows which digital sound format (surround sound format) has been selected.

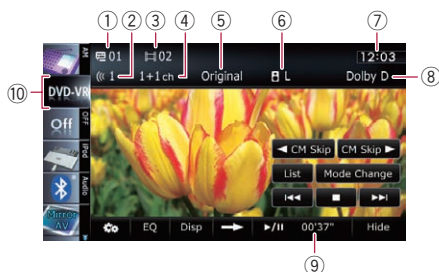
**⑨ Play time indicator**

Shows the elapsed playing time within the current title.

**⑩ Source icon**

Shows which source has been selected. ❑

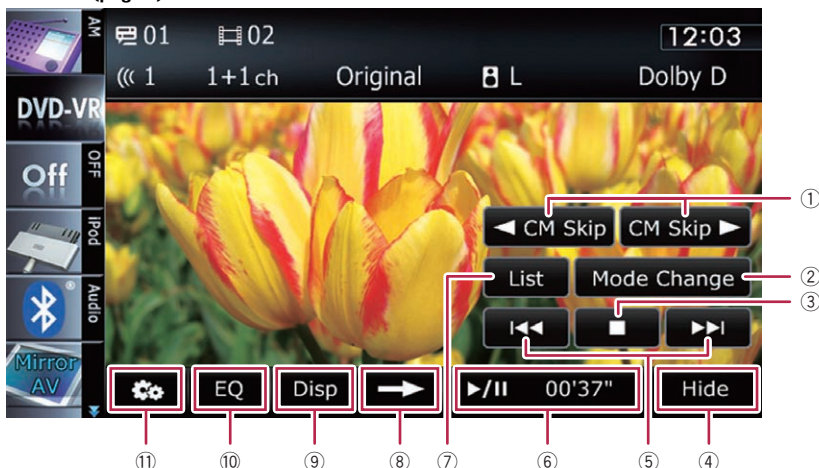
### Reading the screen



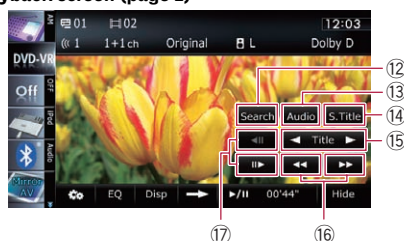
**① Title number indicator**

## Using the touch panel keys

Playback screen (page 1)



Playback screen (page 2)



- ❑ With some discs, the icon  may be displayed, meaning that the operation is invalid.

- ① **◀ CM Skip/CM Skip ▶**  
 ➞ For details, refer to *Using the short-time skip function* on page 34.
- ② **Switches the playback mode**  
 ➞ For details, refer to *Switching the playback mode* on page 34.
- ③ **Stops playback**
- ④ **Hides the touch panel keys and information of the current video**  
 Touching [Hide] shows only the current video.
- ⑤ **Skips forward or backward**  
 Touching [▶▶I] skips to the start of the next chapter. Touching [I◀◀] once skips to the

start of the current chapter. Touching it twice quickly will skip to the previous chapter.

- ❑ You can also perform these operations by using the TRK (◀/▶) button.

- ⑥ **Playback and Pause**  
 Touching [▶/II] switches between playback and pause.
- ⑦ **Displays the title list**  
 Displays the title list recorded on the disc.  
 ❑ A dash (–) is displayed if there is no corresponding information.  
 ➞ For details, refer to *Playing by selecting from the title list* on the next page.
- ⑧ **Switches to the next page of touch panel keys**
- ⑨ **Switches the display**

## Playing a DVD-VR disc

Touching **[Disp]** changes the information as follows:

Disc information display — Repeat range display and on-off state of the subtitle

**⑩ Recalls equalizer curves**

➡ For details of the operations, refer to *Using the equalizer* on page 35.

**⑪ Displays the “Function” menu**

➡ For details, refer to *Using advanced functions* on page 36.

**⑫ Searches for a desired scene and starts playback from a specified time**

➡ For details, refer to *Searching for a specific scene and starting playback from a specified time* on this page.

**⑬ Changes audio tracks (Multi-audio)**

Each touch of **[Audio]** switches between audio tracks.

☐ Display indications such as **MPEG-A** and **Mch** describe the audio track recorded on the DVD. This indication may not be the same as the actual sound currently output from the navigation system.

**⑭ Changes the subtitle (Multi-subtitle)**

Each touch of **[S.Title]** switches between the subtitle languages recorded on the disc.

**⑮ Skips the title forward or backward**

Touching **[▶]** skips to the start of the next title. Touching **[◀]** skips to the start of the previous title.

**⑯ Fast reverse or forward**

Touch and hold **[◀◀]** or **[▶▶]** to perform fast reverse or forward.

If you keep touching **[◀◀]** or **[▶▶]** for five seconds, fast reverse/fast forward continues even if you release either of these keys. To resume playback at a desired point, touch **[▶/II]** or opposite key of **[◀◀]** or **[▶▶]** which you touched.

**⑰ Frame-by-frame playback (or slow-motion playback)**

➡ For details, refer to *Frame-by-frame playback* on the next page.

➡ For details, refer to *Slow motion playback* on the next page.

## Playing by selecting from the title list

You can select and play the title you want from the list.

**1 Touch [List] on the playback screen.**

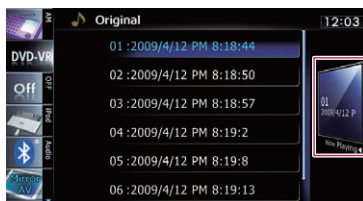
**2 Scroll the list by dragging items up or down to display the item you want to select.**

- ☐ Flicking a list item enables you to quickly scroll through the list.
- ☐ To stop scrolling, gently touch the list.

**3 Touch the title to play from the list.**



**4 Touch the key on the right edge of the screen.**



The previous screen returns.

## Searching for a specific scene and starting playback from a specified time

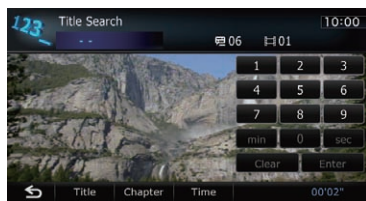
You can search for the scene you want by specifying a title or a chapter, and the time.

- ☐ Chapter search and time search are not available when disc playback has been stopped.

## Playing a DVD-VR disc

**1 Touch [Search] and then touch [Title] (title), [Chapter] (chapter), [Time] (time).**

**2 Touch the keys to input the target number or time and then touch [Enter].**



### For titles, chapters

- To select 3, touch [3] and [Enter] in order.
- To select 10, touch [1] and [0] and [Enter] in order.

### For time (time search)

- To select 5 minutes 3 seconds, touch [5], [min], [3], [sec] and [Enter] in order.
- To select 71 minutes 00 seconds, touch [7], [1], [min] and [Enter] in order.
- To select 100 minutes 05 seconds, touch [1], [0], [0], [5], [sec] and [Enter] in order.
- ☐ To cancel an input number, touch [Clear].
- To cancel the input numbers, touch and hold [Clear].

## Switching the playback mode

You have two methods for playing DVD-VR discs: **Original** (original) and **Playlist** (playlist).

- ☐ Titles created with DVD recorders are called original. Those based on original, re-arranged titles are called playlist. Playlists are created on DVD-R/-RW discs.

### ● Touch [Mode Change] to switch the play mode.

If the play mode is changed, playback starts from the beginning of the selected play mode.

## Using the short-time skip function

This function enables you to skip over your specified interval on the video playback. This

is useful to skip commercials on your recorded DVD-VR disc.

### ● To skip progressively backward or forward, touch [◀ CM Skip] or [CM Skip ▶].

Each touch of [◀ CM Skip] or [CM Skip ▶] changes steps in the following order:

#### ◀ CM Skip

5 sec. — 15 sec. — 30 sec. — 1 min. — 2 min. — 3 min. — 0 sec.

#### CM Skip ▶

30 sec. — 1 min. — 1.5 min. — 2 min. — 3 min. — 5 min. — 10 min. — 0 sec.

## Frame-by-frame playback

This lets you move ahead one frame at a time during playback.

### ● Touch [II▶] during playback.

Each time you touch [II▶], you move ahead one frame.

To return to normal playback, touch [▶/II].

- ☐ With some discs, images may be unclear during frame-by-frame playback.

## Slow motion playback

This lets you slow down playback speed.

### 1 Touch and hold [II▶] until II▶ is displayed during playback.

The icon II▶ is displayed, and forward slow motion playback begins.

- ☐ To return to normal playback, touch [▶/II].

### 2 Touch [◀II] or [II▶] to adjust playback speed during slow motion playback.

Each time you touch [◀II] or [II▶] it changes the speed in four steps in the following order:

1/16 ↔ 1/8 ↔ 1/4 ↔ 1/2

- ☐ There is no sound during slow motion playback.
- ☐ With some discs, images may be unclear during slow motion playback.
- ☐ Reversed slow motion playback is not possible.

## Playing a DVD-VR disc

### Using the equalizer

The equalizer lets you adjust equalization to match vehicle interior acoustic characteristics as desired.

### Recalling equalizer curves

There are seven stored equalizer curves that you can easily recall at any time. Here is a list of the equalizer curves:

#### Equalizer curve

**S.Bass** (Super Bass) is a curve in which only low-pitched sound is boosted.

**Powerful** is a curve in which low-pitched and high-pitched sounds are boosted.

**Natural** is a curve in which low-pitched and high-pitched sounds are slightly boosted.

**Vocal** is a curve in which the midrange, which is the human vocal range, is boosted.

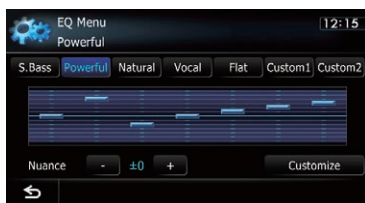
**Flat** is a flat curve in which nothing is boosted.

**Custom1** is an adjusted equalizer curve that you create. A separate custom curve can be created for each source.

**Custom2** is an adjusted equalizer curve that you create. If you select this curve, the effect is reflected all AV source.

- ☐ When “**Flat**” is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between “**Flat**” and a set equalizer curve.

- 1 Touch [EQ].
- 2 Touch the equalizer you want.



### Adjusting the preset equalizer curve effect

You can adjust the effect of the preset equalizer curves.

The following equalizer curves can be adjusted:

- **S.Bass**
- **Powerful**
- **Natural**
- **Vocal**

- 1 Touch [EQ].
- 2 Touch the equalizer you want.
- 3 Touch [+ ] or [- ] next to “Nuance”.
  - ☐ The level can be adjusted in the range of -6 to +6.
  - ☐ If “**Natural**” is selected, the level can be adjusted in the range of -4 to +6.

### Customizing the equalizer curves

You can adjust the currently selected equalizer curve setting as desired. Adjustments can be made with a 7-band graphic equalizer.

### The difference between “Custom1” and “Custom2”

- A separate “**Custom1**” curve can be created for each source. If you make adjustments when a curve “**S.Bass** (Super Bass)”, “**Powerful**”, “**Natural**”, “**Vocal**”, “**Flat**”, or “**Custom1**” is selected, the equalizer curve settings will be memorized in “**Custom1**”.
- A “**Custom2**” curve can be created common to all sources. If you make adjustments when “**Custom2**” curve is selected, the “**Custom2**” curve will be updated.
- The “**Custom1**” curve is applied to each of the source selected, but you can apply the same curve to the following sources.
  - **CD**, **ROM**, **DVD-V**, **DVD-VR**, **DivX**
  - **AM** and **FM**
  - **EXT1** and **EXT2**
  - **AV1** and **AV2**
  - **SD** and **USB**
  - **XM** and **SIRIUS**

❑ The different curve can be memorized between **iPod** and **USB**.

1 Touch [EQ].

2 Touch one of the keys to select a curve that you want to use as the basis of customizing.

3 Touch [Customize].

4 Touch the frequency that you want to adjust the level.



5 Touch [▲] or [▼] to adjust the level of the equalizer band.

Each time you touch [▲] or [▼], the level of the equalizer band increases or decreases. ❑

❑ If you perform chapter (title) search, fast forward, fast reverse or slow motion playback, the repeat play range changes to "**Disc**".

❑ This function is not available when disc playback has been stopped.

② **Selects audio output**

When playing DVDs that both channels are recorded in monaural, you can switch the audio output. Touch [L/R Select] repeatedly until the desired audio output appears in the display.

Each touch of [L/R Select] changes the settings as follows:

- **L:** Left
- **R:** Right
- **Mix:** Mixing left and right
- **L+R:** Left and right

❑ This function is not available when disc playback has been stopped.

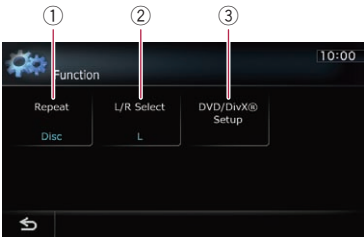
③ **DVD setup adjustments**

➡ For detailed operations, refer to Operation Manual for AVIC-Z130BT. ❑

## Using advanced functions

● Touch  on the "DVD-VR" screen.

The "Function" menu appears.



① **Changes the repeat range**

Each touch of [Repeat] changes the setting as follows:

- **Disc:** Plays throughout the current disc.
- **Chapter:** Repeats just the current chapter.
- **Title:** Repeats just the current title.

Troubleshooting

Problems in the procedures for updating

| Symptom                                                                        | Cause                                                                                                                      | Action                                                                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| The upgrade process doesn't start and the navigation system boots up as usual. | An incorrect microSD card has been inserted.                                                                               | Eject the inserted microSD card and insert the correct upgrade microSD card.                                                                  |
|                                                                                | Upgrade has been already done.                                                                                             | Check whether the upgrade was done properly. If the upgrade has not been done yet, consult the nearest authorized service station.            |
|                                                                                | The screen that cannot begin the upgrade process is displayed.                                                             | Eject the upgrade microSD card #1 (8 GB), and display the map of your current position, and then reinsert the upgrade microSD card #1 (8 GB). |
| The navigation system does not work properly after upgrade.                    | The engine of your vehicle was stopped or the power supply to the navigation system was turned off during upgrade process. | Consult the nearest authorized service station.                                                                                               |
|                                                                                | Upgrade microSD card was pulled out during upgrade process.                                                                | Consult the nearest authorized service station.                                                                                               |

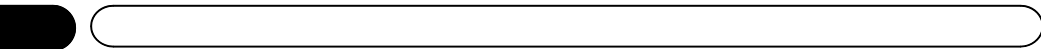
Troubleshooting

Messages in the procedures for updating

The following messages may be displayed by your navigation system. Refer to the table below to identify the problem, then take the suggested corrective action.

There are occasions when you may see error messages other than those shown here. In such a case, follow the instructions given on the display.

| Message                                  | When                                             | What to do                                                 |
|------------------------------------------|--------------------------------------------------|------------------------------------------------------------|
| An error occurred and the update failed. | Unexpected error occurred in the update process. | Consult your local Pioneer dealer if this message persist. |





*Register your product at*

**<http://www.pioneerelectronics.com>**

*in Canada* **<http://www.pioneerelectronics.ca>**

*See "Visit our website" page*

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