

Upgrade Instructions and Operation Manual Addendum

2012 F-series NAVIGATION UPGRADE SD-CARD

CNSD-350FM

2012 F/X-series NAVIGATION UPGRADE SD-CARD

CNSD-300FM

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<http://www.oss-pioneer.com/car/navi/>

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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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- 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.

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).

After-sales service for Pioneer products

Please contact the dealer or distributor from which you purchased the product for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below.

Please do not ship your product to the companies at the addresses listed below for repair without making advance contact.

- **U.S.A**

Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760 Long Beach, CA 90801-1760
800-421-1404

- **CANADA**

Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
340 Ferrier Street, Unit 2, Markham, Ontario
L3R 2Z5, Canada
1-877-283-5901
905-479-4411

For warranty information, please see the Limited Warranty sheet included with your product.



Precaution

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SD memory card

-  Keep the SD memory card out of the reach of small children to prevent them from accidentally swallowing it.
-  Do not store the SD memory card in high temperatures or direct sunlight.
-  Do not subject the SD memory card to shock or impact.
-  Do not allow the SD memory card to come into contact with liquids. Damage to the SD memory card and your products could result from contact with liquids.
-  Be careful not to touch terminals on the SD memory card. Doing so may cause connection failures. If any terminals are dirty, wipe them with a clean dry cloth.



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- For more information, refer to the Operation Manual of your navigation system.



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. 

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.)
With the map displayed, press the **MENU** button.
- Menu items, screen titles, and functional components are described in **bold** with double quotation marks " ": e.g.)
Displaying the screen for system settings
- 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.

- References are indicated like this:
e.g.)
➡ For details of the operation, refer to
Checking the device number on page
20. ■

Models to be upgraded

To customers who have purchased the CNSD-350FM

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

AVIC-F500BT

To customers who have purchased the CNSD-300FM

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

AVIC-X9115BT, AVIC-X910BT, AVIC-F900BT, AVIC-F90BT, AVIC-X7115BT, AVIC-F7010BT, AVIC-X710BT, AVIC-F700BT ■

Renewed points through this upgrade

For customers upgrading the hardware for the first time

For customers using AVIC-F900BT, AVIC-F90BT, AVIC-F7010BT, AVIC-F700BT or AVIC-F500BT

By upgrading the navigation system with this product, the points described in this manual are changed.

For customers using AVIC-X9115BT, AVIC-X910BT, AVIC-X7115BT or AVIC-X710BT

By upgrading the navigation system with this product, following points are changed.

- Map database (including POI) is renewed.
- Device Number is displayed on the "Service Information" screen.

- The XM Satellite Radio in the lineup and icon of the broadcast station will be changed.

The other operations are essentially the same as those at the time you purchased the hardware. Use Operation Manual included in the hardware package as your primary reference.

For customers who have previously upgraded the hardware

By upgrading the navigation system with this product, following points are changed.

- Map database (including POI) is renewed.
- Device Number is displayed on the "Service Information" screen.
- The XM Satellite Radio in the lineup and icon of the broadcast station will be changed.

The other operations are essentially the same as those at the time you purchased the hardware. Use Operation Manual included in the hardware package as your primary reference.

Browsing information on MSN Direct

All MSN Direct features will be disabled.

The MSN Direct service has been discontinued as of January 1, 2012. More information is available at

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

Precaution

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 map scale, the last status of AV operation screen, etc.

Navigation functions	
Destination Menu	"History" on "Address"
	History
	Favorites
	"Saved Criteria" on "POI"
Navi Settings	All settings
System Settings	All settings
Others	Pin icon data
	Anti-theft password
Audio functions	
AV Settings	All settings
SD, USB	All settings (*1)
Volume setting for AV sources, EQ settings (*2)	
(*1) All settings including the setting on the "Function" menu are deleted.	
(*2) These settings are cleared only if you use AVIC-F500BT.	
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.	



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About the data for the map database

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- TomTom Map Version, Rel. 06/2011.

Maps by



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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. 

Icons for XM Satellite Radio

The icon of each broadcast station is contained in the hard disk drive based on the data provided by XM Satellite Radio as of October 2011.

The navigation system upgrade process

- 1 Check the device number of your navigation system.
➤ For details, refer to *Checking the device number* on this page.
- ↓
- 2 Check the version information.
➤ For details, refer to *Checking the current version* on this page.
- ↓
- 3 Get the password for authentication.
➤ For details, refer to *Getting the password for authentication* on the next page.
- ↓
- 4 Upgrade the software program of your navigation system.
➤ For details, refer to *Upgrading the software program and the map database* on the next page.
- ↓
- 5 Check whether the upgrade was done properly.
- ↓
- 6 Update the Bluetooth firmware.
➤ For details, refer to *Updating the Bluetooth wireless technology software* on page 23.



Preparation for upgrade

Checking the device number

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

- 1 **Park your vehicle in a safe place and apply the parking brake.**
- 2 **Insert the upgrade SD memory card into the SD card slot.**
- 3 **Turn the ignition switch OFF and back ON to reboot the navigation system.**
After a short pause, the device number will appear.
- 4 **Write down your device number (Device#) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.**
- 5 **Touch [Cancel].**
The navigation system restarts.
- 6 **Turn off the vehicle engine to terminate the system.**
The navigation system is also turned off.
- 7 **Eject the upgrade SD memory card.**

Checking the current version

You may need the version information to confirm completion of upgrade. Check the version information using the following procedure.

- 1 **Press the MENU button to display the "Top Menu", and then touch [Settings].**
- 2 **Touch [System Settings].**
The "System Settings" menu appears.
- 3 **Touch [Service Information] on the "System Settings" menu.**
- 4 **Write down the version displayed in "Map Version" and "Version".**

Instructions for upgrading

Getting the password for authentication

Web-connected computer is required for on-line issuance of password.

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

1 Access on the following website to issue your password.

<http://www.pioneernavigationupdate.com>

In Canada:

<http://www.pioneernavigationupdate.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. 

- Never start upgrading when the navigation unit runs with the battery. Otherwise, the upgrade cannot complete because the battery runs out.

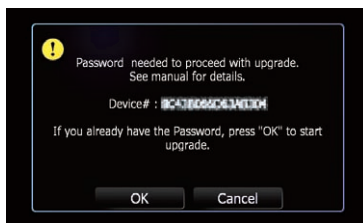
1 Park your vehicle in a safe place and apply the parking brake.

2 Insert the upgrade SD memory card into the SD card slot.

3 Turn the ignition switch OFF and back ON to reboot the navigation system.

After a short pause, the device number will appear.

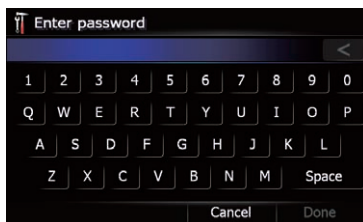
4 Touch [OK].



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

- ☐ To cancel the upgrade, touch [Cancel].

5 Enter the password for authentication that you obtained, then touch [Done].



After you touch [Done], the system starts the authentication. When the authentication is finished properly, a message for confirmation will appear.

Upgrade procedures

Upgrading the software program and the map database

This section describes the upgrade procedures for your navigation system.

- ☐ The upgrade takes approximately 40 minutes in total.
- ☐ If you use AVIC-F500BT, be sure to follow the instructions given below.
 - Attach the navigation unit to the cradle before upgrading and don't detach the navigation unit during upgrading.
 - Turn the navigation unit's power completely off by pressing and holding the Power button.

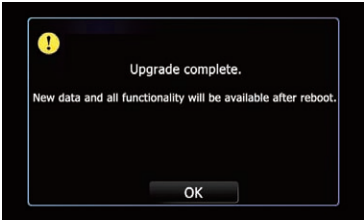
6 Touch [Yes] to start the upgrade.



The navigation system restarts and then the installation begins.

❑ To cancel the upgrade, touch [No]. When the program upgrade is complete, a confirmation message appears.

7 Touch [OK].

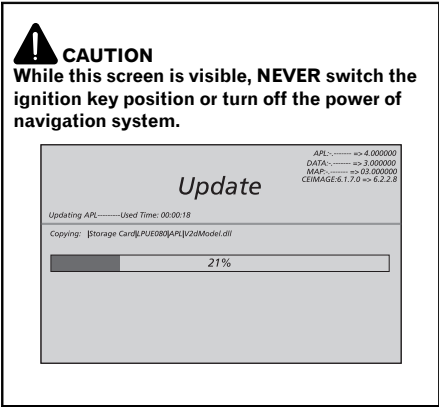


The message confirming whether you want to keep the current splash screen appears.

8 Touch the key that you want to select.

The navigation system restarts and then the installation begins.

9 Wait until the upgrade process is complete.



After the installation is complete, the navigation system restarts.

10 Touch the language that you want to use on the screen.

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

The "Top Menu" screen appears.

12 Eject the upgrade SD memory card.

Checking whether the upgrade was done properly

Display "Service Information" screen to compare the current version number with the previous one.

➡ For details, refer to *Checking the current version* on page 20.

Instructions for upgrading

Updating the Bluetooth wireless technology software

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>

- ❑ Registered phones that are listed on the “**Connection**” screen are cleared by the software update.

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

2 Insert the upgrade SD memory card into the SD card slot.

3 Press the MENU button to display the “Top Menu”.

4 Touch [Phone].

The “**Phone Menu**” screen appears.

5 Touch [Phone Settings].

The “**Phone Settings**” screen appears.

6 Touch [Bluetooth Software Update].

The current version is displayed.



7 Touch [Software Update].

Update starts.

8 Wait until the update process is complete.

A message will appear after the update is complete.

9 Touch [OK].

10 Eject the upgrade SD memory card.

Update is completed. ■

Changes on the upgraded program

If you upgrade your navigation system using this SD memory card, the system will have the following changes.

Navigation functions

Signpost and recommended lane

Signposts will appear together with the recommended lane where multi-lane roads exist when you are driving on your route. The high-lighted lane indicates the recommended lane.



- ❑ This information is based on the map data-base. Thus, the information may differ from actual conditions. Use it as just a directional reference for your driving.

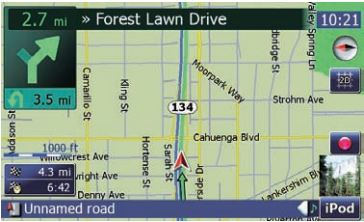
Switching the map mode

There are a number of map displays. Touching the map mode selector allows you to change the map display.



Map mode selector

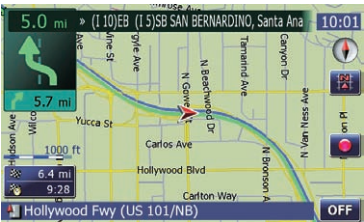
2D map screen (Heading up mode)



The map display always shows the vehicle's direction as proceeding toward the top of the screen.

When "Heading up" mode is selected,  is displayed.

2D map screen (North up mode)



The map display always has north at the top of the screen.

When "North up" mode is selected,  is displayed.

3D map screen



When the 3D map screen is selected,  is displayed.

- 1 Press the MAP button to display the navigation map screen.

Changes on the upgraded program

2 Touch the map mode selector to switch the map display.

Each touch of the map mode selector changes the map display as follows:

2D map screen (Heading up mode) — 2D map screen (North up mode) — 3D map screen

Hiding controls for tilt and rotation angle

Touching  hides the tilt controls and rotation angle.

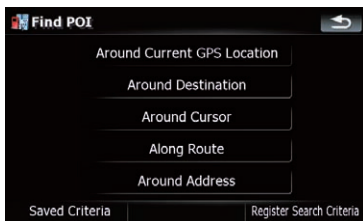


Controls for tilt and rotation angle

Searching for POIs around the address

1 Touch [Destination] on the “Top Menu”, and then touch [POI].

2 Touch [Around entered address].

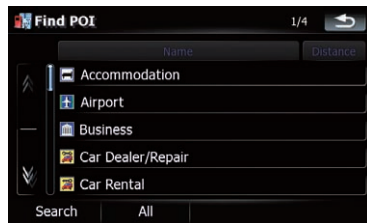


3 Enter the address you want.



- ☐ If the house number you have entered is not found, a message appears. In that case, a house number near entered one is selected after touching [OK].

4 Touch the category you want.

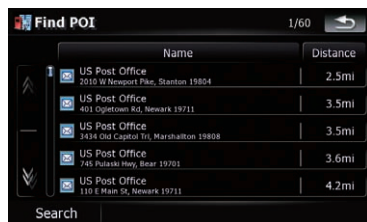


If there are more detailed categories within the selected category, repeat this step as many times as necessary.

Touch [Search] to search for a POI by entering the POI name in the selected category.

Touching [All] lists all POIs that are included in the categories currently displayed.

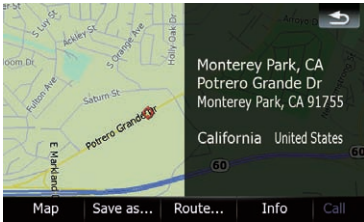
5 Touch the POI you want.



Changes on the upgraded program

- ❑ Touching the **[Name]** tab sorts the options in the list in alphabetical order.
- ❑ Touching the **[Distance]** tab sorts the options in the list in order by distance.

6 Touch one of the options at the bottom of the Map confirmation screen to select the next operation.



Touch **[Route...]** then **[Go Here Now]** to set your selected position as your destination and calculate the route up that point.

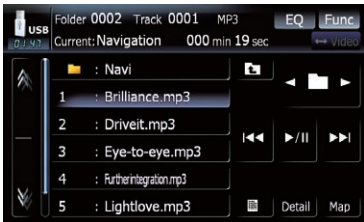
- ➔ For details of other operations on the Map confirmation screen, refer to Operation Manual of your navigation system. ■

AV functions

Selecting a track from the list

The list lets you see the list of track titles, file names or folder names on a disc and select one of them to play.

- 1 Touch **[List]**.
- 2 Touch the track you want to play.



(e.g. USB)

The track currently playing is highlighted. Touching **[Next]** or **[Previous]** switches the selection to the next or previous page in the list.

- ❑ A dash (–) is displayed if there is no corresponding information.

3 To return to the previous screen, touch **[Detail]**. ■

Settings Menu

Textured Polygons

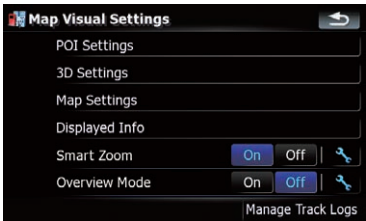
The setting has been changed so that the system always can draw the map graphically.

POI Settings

“Manage POI” changes to “POI Settings” and the position of key has been moved.

- 1 Touch **[Map Visual]** on the “Navi Settings” menu.
The “Map Visual Settings” screen appears.

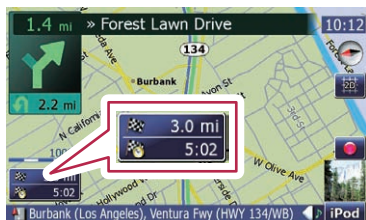
2 Touch **[POI Settings]**.



Changes on the upgraded program

Displayed Info

The characters on the Multi-Info window are enlarged.



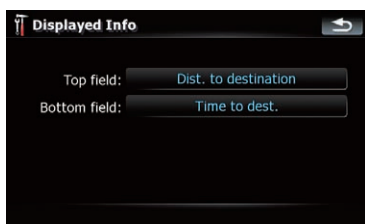
1 Touch [Map Visual] on the “Navi Settings” menu.

The “Map Visual Settings” screen appears.

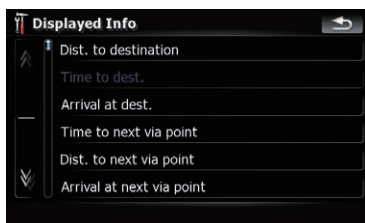
2 Touch [Displayed Info].

The “Displayed Info” screen appears.

3 Touch the key on the right of “Top field:” to display the options.



4 Touch your desired option.



Manage Track Logs

[Export all] and [Delete all] keys are added.

1 Touch [Map Visual] on the “Navi Settings” menu.

The “Map Visual Settings” screen appears.

2 Touch [Manage Track Logs].

A list of track logs already recorded appears.

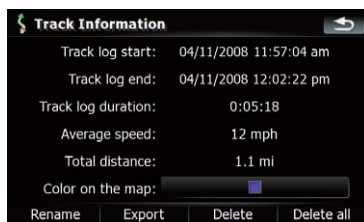
3 Touch the desired track log on the list.



More details about the track log appears.

- Touching [Export all] exports all track logs currently stored to the external storage device (USB or SD) at once.

4 Touch the desired key to operate it.



Delete all:

Touching this key deletes all track logs.

Changes of default value

Settings Menu

Menu items	Before up-grade	After up-grade
Back Camera	Off	On
AV1 Input	Off	iPod

Menu items	Before up- grade	After up- grade
Warn When Speed- ing	On	Off
MUTE Input/GUIDE	MUTE	ATT

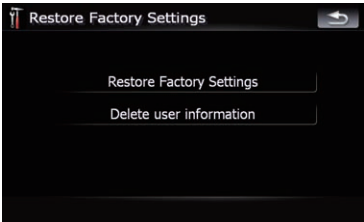


Restore Factory Settings

Resets various settings registered to the navigation system and restores them to the default or factory settings.

- ❑ Some data remains. Be sure to read *Setting items to be deleted* first.
- ➡ For detailed information about the items which would be erased, refer to *Setting items to be deleted* on the next page.

- 1 Touch [Restore/Delete] on the “System Settings” menu.
- 2 Touch [Restore Factory Settings] or [Delete user information].



- ❑ Because deleted data cannot be restored, take extra care not to mistakenly delete items.
- 3 Touch [OK].
The navigation system will now restart.

Changes on the upgraded program

Setting items to be deleted

The items to be deleted vary depending on the reset method. The items listed in the following table return to the default or factory settings.

Almost all items not listed below will be retained. However, some of the items to be returned to their default values are not listed if the setting value can be easily recovered by user, such as the last map scale, the last status of AV operation screen, etc.

—: The setting will be retained.

✓: The setting will be cleared and returned to the default or factory settings.

Method 1: Press the RESET button

Method 2: Restore Factory Settings

Method 3: Delete user information

Navigation functions		Method 1	Method 2	Method 3
Destination Menu	"History" on "Address"	—	—	✓
	History	—	—	✓
	Favorites	—	—	✓
Navi Settings	"Saved Criteria" on "POI"	—	—	✓
	Set Home	—	—	✓
	GPS & Time Settings, Map Visual, Route, Warnings, Regional Settings	—	✓	✓
	Sound settings "Voice", "Keys", "Dynamic Volume (On/Off)"	—	✓	✓
	Sound settings "Master", "Dynamic Volume (Maximum speed, Minimum speed:)"	—	—	✓
System Settings	Language	—	✓	✓
	Other settings	—	—	✓
Others	Pin icon data	—	—	✓
	Anti-theft password	—	—	✓

Audio functions		Method 1	Method 2	Method 3
AV Settings	Wide Mode, VR Catalog Mode	—	—	✓
	Other settings	✓	—	—
AV Sound	All settings	✓	—	—
CD, ROM, DivX, FM, AM	All settings (*1)	✓	—	—
DVD-V, DVD-VR	All settings	✓	—	—
SD, USB	All settings (*1)	✓	—	✓
Volume setting for AV sources		✓	—	—

(*1) All settings including the setting on the "Function" menu are deleted.

Phone functions		Method 1	Method 2	Method 3
Phone Menu (*2)	Phone Volume	—	—	✓
	Received Calls	—	—	✓
	Dialed Numbers	—	—	✓
	Missed Calls	—	—	✓
	Phone Settings	—	—	✓
Contacts (*2)	All entries	—	—	✓

(*2) All stored data of 3 users is deleted.



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 SD memory card has been inserted.	Eject the inserted SD memory card and insert the correct upgrade SD memory card.
	Upgrade SD memory card has been inserted while the navigation system are turned on.	Turn the ignition switch OFF and back ON to reboot the navigation system.
	The screen that cannot begin the upgrade process is displayed.	Eject the upgrade SD memory card, and display the map of your current position, and then reinsert the card.



Messages in the procedures for updating

Message	When	What to do
An error has occurred and update has failed. Consult your dealer or Pioneer service center.	Failed to upgrade the data for some reason.	Consult your authorized Pioneer dealer.



Register your product at

<http://www.pioneerelectronics.com>

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

See "Visit our website" page

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