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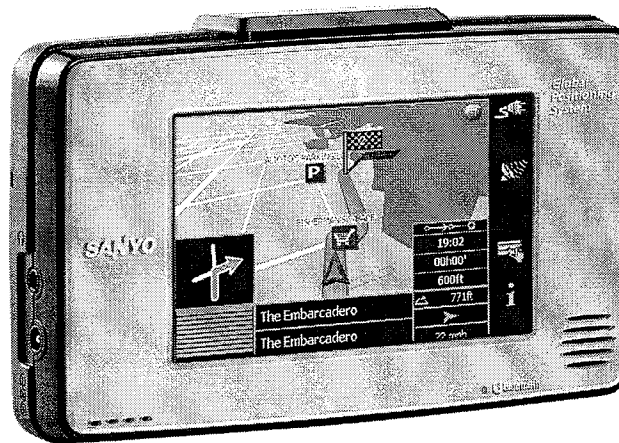


# SANYO

## NVM-4030 Portable Navigation System

### Instruction Manual

## NVM-4030



FOR SERVICE ASSISTANCE, CALL  
Customer Information 1-800-421-5013  
Weekdays 7:30 AM – 5:00 PM Pacific Time

**FCC COMPLIANCE**

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

**FCC WARNING**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**CANADIAN ICES-003 COMPLIANCE**

- This class B digital apparatus complies with Canadian ICES-003.

**NOTICE**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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



## Precautions

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Original issue: Oct 2006

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### Maintenance

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not drop your device or subject it to severe shock.

- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- Do not leave your device in plain sight when you leave your vehicle. Take your device with you or remove it from view to avoid theft.
- The screen surface can be easily scratched. Sharp objects may scratch the screen. You may use non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels to help protect the screen from minor scratches.
- Never clean your device with it powered on.
- Never use organic solvents such as benzene or paint thinner to clean your device. Use of these solvents can cause deformation or discoloration.
- Use a soft, clean, lint-free cloth to clean the display screen. Moistened LCD screen wipes could also be used as required.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.

**Storage precautions**

- Do not store your device anywhere it may be exposed to water or in conditions of high humidity.
- When the device is not in use for an extended period of time, bring it indoors and store it in cool dry area.

**Accessories and repair precautions**

- Only authorized accessories should be used with the device. The use of incompatible accessories could result in bodily injury and/or damage to the device.
- The use of unauthorized accessories will also void your warranty.
- Never attempt to disassemble, repair or make any modification to your device.

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**NOTE:** Record the device ID, serial number, purchase date, and place of purchase information in the space provided below. The serial number is indicated on the label affixed to your NVM-4030. All correspondence concerning your unit should include the serial number, device ID, and purchase information.

**Revision: 1.00**

OCT 2006

**NOTE:** Information in this manual is subject to change without notice.



## WARNINGS AND NOTICES

For your safety, do not operate the controls of the product while driving.

GPS satellite signals cannot typically pass through solid materials (except glass). GPS location information is not typically available inside buildings, tunnels, or underground parking lots.

A minimum of 4 GPS satellite signals is needed to calculate your GPS position. Signal reception can be affected by weather events or overhead obstacles (e.g. dense foliage and tall buildings).

Other wireless devices in the vehicle may interfere with the reception of satellite signals and cause the reception to be unstable.

### Adapter



Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Do not use the adapter if the cord becomes damaged.



Connect the adapter to the proper power source. The voltage requirements are found on the product case and/or packaging.

### Battery



This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

To charge the battery, connect the AC adapter or Car Adapter to the main unit. Under high temperatures, however, the protection circuit may be activated and charging may not be possible.

Do not connect any accessory (car battery adapter, AC power adapter, etc.) other than those supplied or optional.

### FOR AMERICAN USERS

The following advisory is included in accordance with the laws of the State of California (USA):

**WARNING:** This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling.***

**NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA:** State law prohibits drives in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. SANYO does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice.



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# Chapter 1 NVM-4030 Features and Specifications

## 1.1 SANYO NVM-4030 features

The SANYO NVM-4030 Portable Navigation System is a powerful multifunction GPS navigation and entertainment device.

- Compact size and lightweight
- Integrated GPS receiver for GPS navigation
- Embedded SD/MMC card slot ensuring ample data storage for mapping and application software
- Incorporates high-performance GPS antenna
- High-resolution color LCD
- 4" wide touch screen with 16:9 scale
- Bluetooth v1.2 supported with hands-free, profile
- Multimedia functionality with high performance processor

## 1.2 NVM-4030 Specifications

General Specification	
Overall dimension (w/o antenna)	5.8" x 3.5" x 1.1" (147 mm x 88 mm x 27 mm)
Weight (incl. battery)	9.5 oz (270 g)
Certificates	FCC
Operating Temperature	32 °F to 122 °F ( 0 °C to 50 °C)
Storage Temperature	short period: -4 °F to 140 °F (-20 °C to 60 °C) long period: -4 °F to 95 °F (-20 °C to 35 °C)
Charging battery Temperature	32 °F to 104 °F ( 0 °C to 40 °C)

Hardware Main unit	
Display	4" Touch screen, 480 x 272 pixel, TFT, 16.7M colors
Indicators	Green/Red/Orange for power, Blue for Bluetooth
Speaker	1.2 W, 8 Ω
Connectors	MiniUSB (B type), SD/MMC memory slot, external power, Headphones
Headphones jack	3.5mm, stereo
Headphones	More than 32 Ω
Bluetooth	Bluetooth v1.2 compatible
Bluetooth Profile	HFP
USB Interface	USB v1.1
Main Battery	
Type	Rechargeable Li-Ion
Voltage/Capacity	3.7V, 1900mAh
Runtime (MP3 mode, default settings)	Approximately 3.5h (typ.)
Charge time	4.0 hours
GPS	
Type	internal
Chipset	SiRF GSC3



<b>Car Adapter</b>	
Input rating	12-24V
Output rating	5.0V, 2A
Certificates	CE, e-mark, C-Tick
<b>AC Adapter</b>	
AC Input	100-240V, 50-60Hz
DC Output	5.0V, 2A
Certificates	CE,UL,TUV-GS,CCC,BSMI,K mark, C-Tick, Singapore Safety
<b>USB Cable</b>	
Length	4' (120 cm)
<b>SD Card</b>	
Support Capacity	Maximum 2GB
<b>MMC (Multi Media Card)</b>	
Support Capacity	Maximum 2GB

## Chapter 2 Getting Started

This chapter describes the hardware interface of the SANYO NVM-4030 and its peripherals. Instructions for setting up the device and some basic system operations are also discussed.

**NOTE:** Although the NVM-4030 rechargeable Li-Ion battery comes approximately 40-80% charged, before using, it is best to connect the AC adapter and plug to power socket and fully charge the battery. The ON/OFF button will glow orange when charging.

### 2.1 Hardware overview

This section introduces the NVM-4030 external features and hardware components.

#### 2.1.1 Packing list

The SANYO NVM-4030 box contains all of the items listed below:

- NVM-4030 Portable Navigation System
- Easy Street™ Map Data Card
- Windshield Mounting Clip
- Dashboard Mounting Disc
- Windshield Mounting Arm
- Car Power Adapter
- AC Power Adapter
- USB cable
- Quick Start Guide & CD Instruction Manual
- DVD Map Software

#### 2.1.2 External Features

Figure 1: Front Panel View

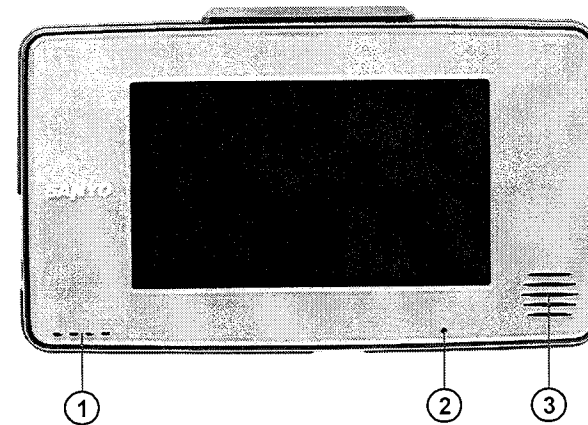


Table 1: Front panel controls

No.	Function	Description
1	Microphone	Microphone
2	LED	Glow blue when Bluetooth connected
3	Speaker	Speaker



Figure 2: Top and Bottom view

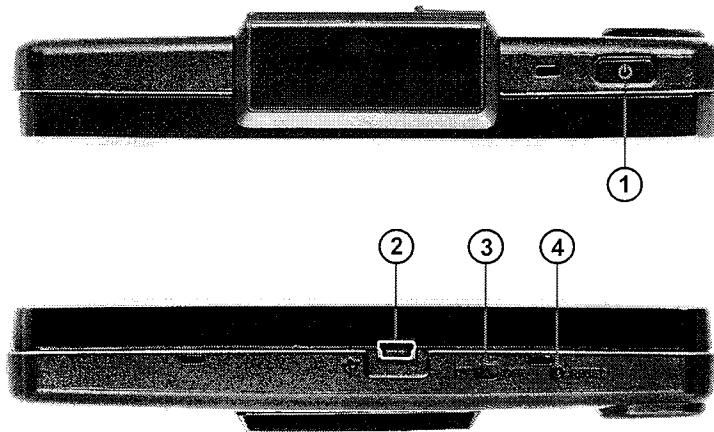


Table 2: Top and Bottom controls

No.	Function	Description
1	Power button	Normal ON/OFF power button.
2	USB input	Connects to the USB cable.
3	ON/OFF	The main power/battery cutoff switch.
4	Reset	Restarts your device with (a soft reset).

Figure 3: Left and Right side view

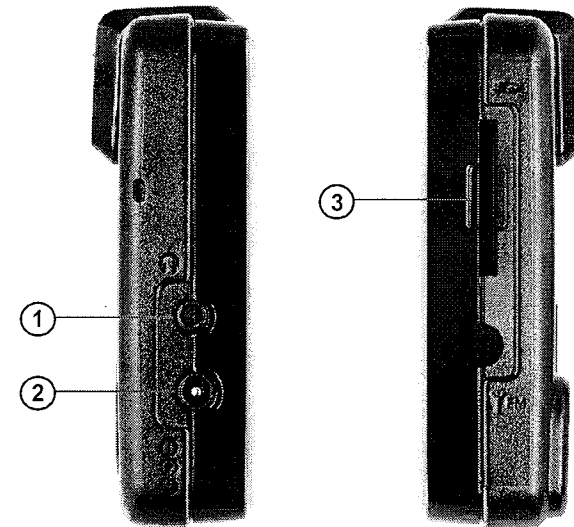


Table 3: Left and Right panel controls

No.	Function	Description
1	Headphones	Standard stereo headphones jack.
2	DC Power input	For AC Adapter or Car Adapter
3	SD/MMC slot	Accepts a SD (Secure Digital) or MMC (MultiMediaCard) for data storage.



## 2.2 Mounting the NVM-4030 in your vehicle

**WARNING:** Do not use the car mount kit under low temperatures. The cradle may come off because of insufficient suction power.

**WARNING:** Do not fix the holder within the deployment zone of airbags.

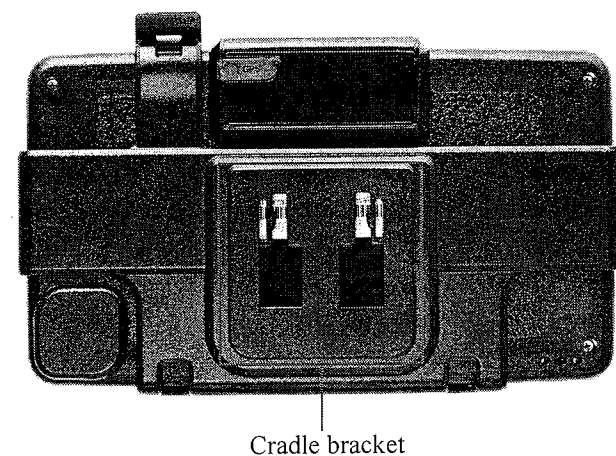
The NVM-4030 comes with a car mount kit and a car adapter to help install your device in your vehicle. The car mount kit uses a suction cup on the windshield/dashboard to offer flexible mounting options for the NVM-4030.

**NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA:** State law prohibits drives in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. SANYO does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice.

**NOTE:** Do attach the Car Adapter to your device when you use it in vehicle. Rechargeable batteries may sometimes not be chargeable in the vehicle.

This section shows how to install the car mount kit in your vehicle's windshield/dashboard using the suction cup. The NVM-4030 uses a snap on mounting cradle to use when the device attaches to the car mount. Below is the backside view of the NVM-4030 in the cradle.

Figure 4: NVM-4030 Windshield Mounting Clip (mounting cradle) with slots for car mount



Cradle bracket



Figure 5: Windshield Mounting Arm

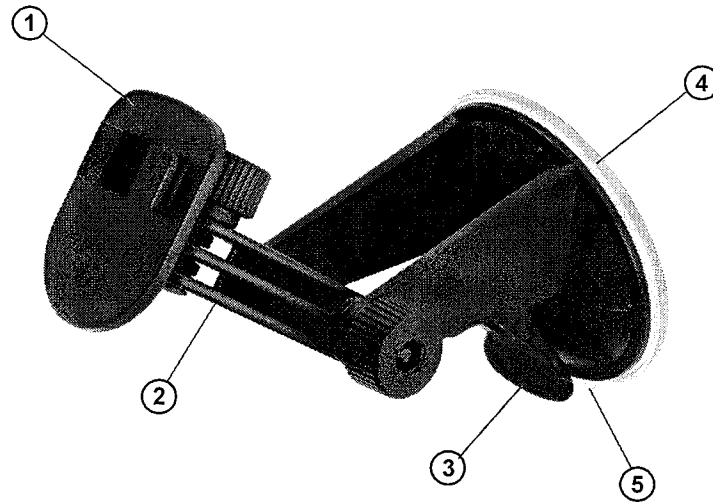


Table 4: The components of Windshield Mounting Arm

No.	Component	Description
1	Cradle plate	Connects the car mount to the cradle.
2	Adjustable Arm	Allows the device to be adjusted in 360°
3	Suction cup locking lever	Secures the vacuum seal of the car mount.
4	Suction cup	Fixes the car mount to the selected mounting area.
5	Suction cup release tab	Pull to release the vacuum seal of the suction cup.

**Using the car mount kit**

1. Clean and dry the mounting surface with a clean cotton cloth.
2. If the ambient temperature is below +60°F (15°C), you can warm the mounting area and the suction cup (e.g. with a hair dryer) to ensure a strong suction bond.
3. Install the car mount on the selected area.

**On the Windshield**

- a. Fix the suction cup to the selected area with the locking lever facing up for easier access.
- b. Flip the locking lever away from you to create a vacuum between the suction cup and the window surface.

**On the Dashboard**

Warning: The permanent mounting adhesive is extremely difficult to remove after it is installed.

- a. Remove the backing from the permanent mounting adhesive on the bottom of the disc and place the mounting disc on the dashboard.
- b. Fix the suction cup to top of the mounting disc with the locking lever facing up for easier access.
- c. Flip the locking lever away from you to create a vacuum between the suction cup and the mounting disc.

Make sure that the suction is strong and stable before proceeding to the next step.

4. Slide the NVM-4030 cradle bracket onto the cradle plate.
5. After you are sure the mounting bracket is safe and secure, attach the NVM-4030 into its cradle bracket. It snaps in easily with the quick release connectors.
6. Adjust the car mount for the best viewing angle.
7. Connect the car adapter into the cigarette lighter receptacle.
8. The car adapter LED indicator will glow when powered.



9. Plug the car adapter into the side of the NVM-4030 and position the cord to an appropriate location.

**NOTE:** Your car may be required to switch the vehicle ignition into the accessories position to power the cigarette lighter. Your NVM-4030 will not charge with the ignition off.

Figure 6: Mounting on the windshield

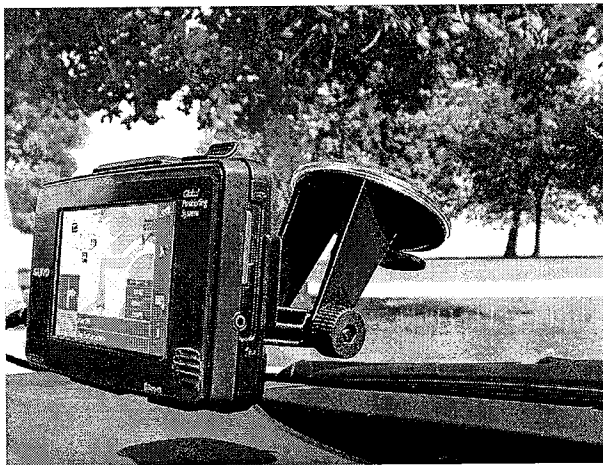
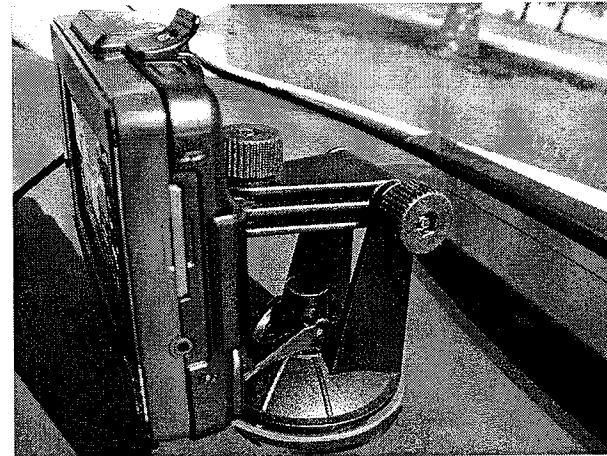


Figure 7: Mounting on the dashboard





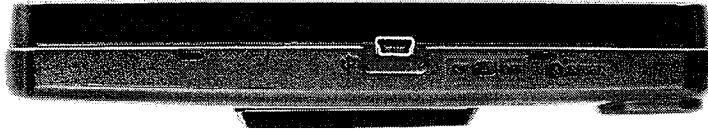
## Chapter 3 Using the NVM-4030

### 3.1 NVM-4030 Operating Basics

You can now turn it on to calibrate the screen. After screen calibration, proceed to system settings configuration.

### 3.2 To turn on and calibrate the device:

1. Turn on the Battery ON / OFF switch with a sharp object.

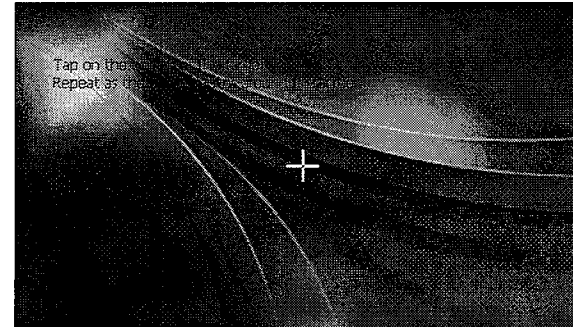


2. Turn on the Power ON / OFF switch.



**NOTE:** When you first turn on your device, you will be asked to calibrate the screen. This process ensures the accuracy of the touchscreen when used.

3. Tap the center of the target as it moves around the screen.



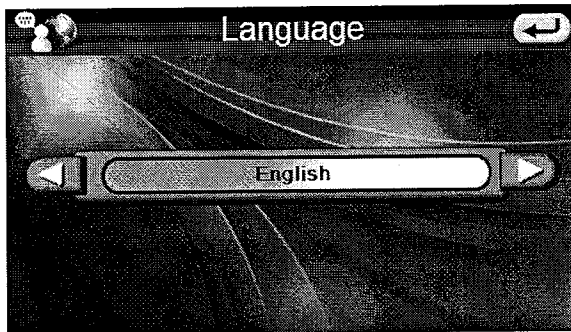
**NOTE:** If you do hard reset, “Restore Data” dialog opens after calibration. If you select “yes”, load the previous setting. (You don’t have to do the following settings.)

**NOTE:** Calibration is repeated until it succeeds.

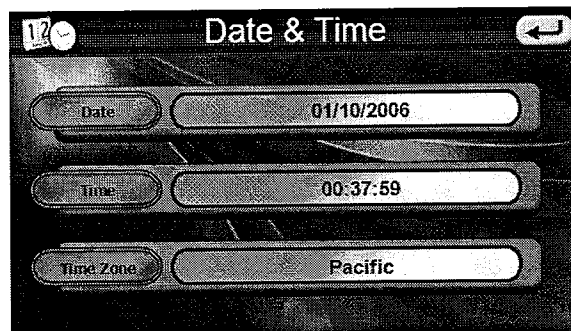




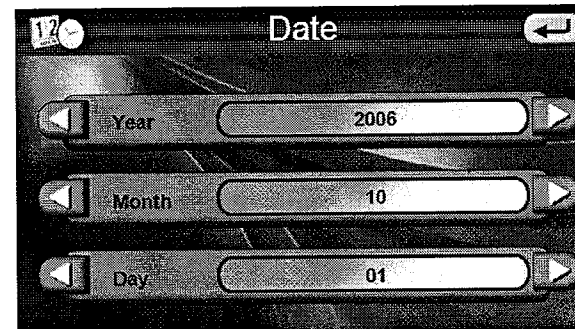
4. To set the system language settings, tap the forward or backward arrow until the language you want appears.  
Tap the Return button to set the language and return to the System Menu.



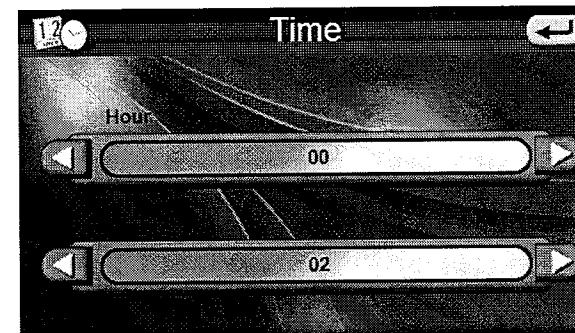
5. To set the system date and time, tap “Date & Time” in System Menu.



6. Tap the correct Year, Month and Day.  
Tap the Return button to set the Date and return to the “Date & Time” Menu.



7. Tap the “Time” in the “Date & Time” Menu.



8. Tap the Return button to set the Time and return to the “Date & Time” Menu.

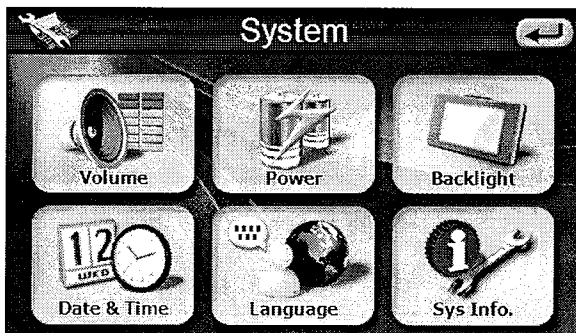
9. Next, tap “Time Zone” in the “Date & Time” Menu.  
If you check “Automatically adjust clock for daylight saving”, NVM-4030 adjusts clock for daylight saving automatically.



10. After all settings are finished, the Main Menu opens.

### 3.3 System settings

System setting can be used to view and adjust your device current preferences. Navigate from the System Menu.



#### 3.3.1 Language

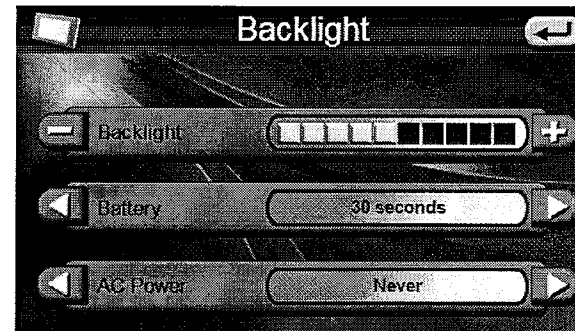
Refer to Chapter 3.2.

#### 3.3.2 Date & Time

Refer to Chapter 3.2.

#### 3.3.3 Backlight

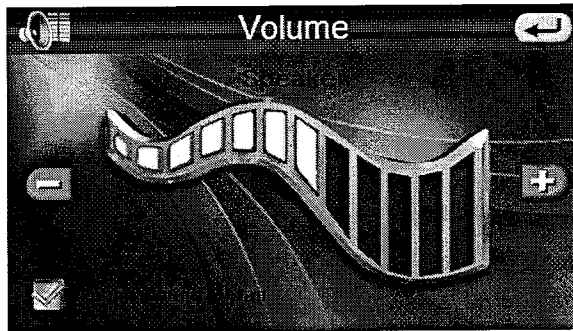
1. Tap the Backlight icon in the System Menu.
2. Tap + or - to set the Backlight brightness.
3. Tap the left or right arrow to set the LCD power-save of battery and AC power drive modes.
4. Tap the Return button to return to the System Menu.





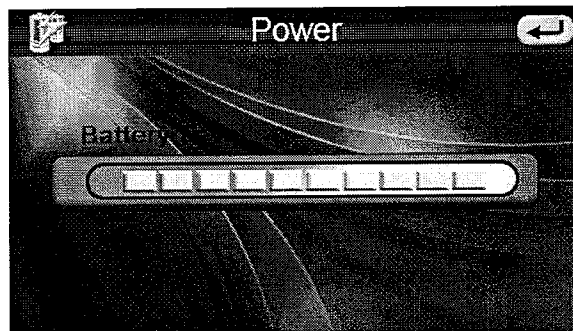
### 3.3.4 Volume

1. Tap the Volume icon in the System Menu.
2. Tap + or - to set default system sound volume.  
If a check mark is added for "Enable sounds tap," a click tone sounds when you tap the screen.
3. Tap the Return button to save and return to the System Menu.



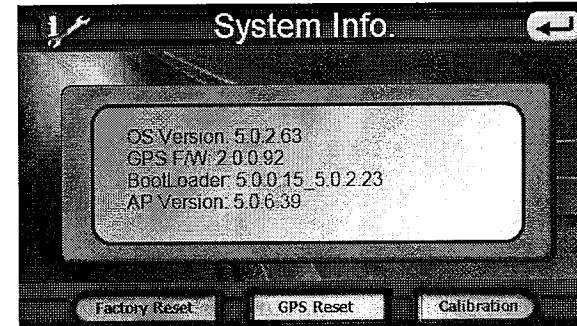
### 3.3.5 Power

1. Tap the Power icon in the System Menu.
2. When AC adapter is disconnected, you can view the remaining battery power in the top bar.
3. Tap the Return button to return to the System Menu.

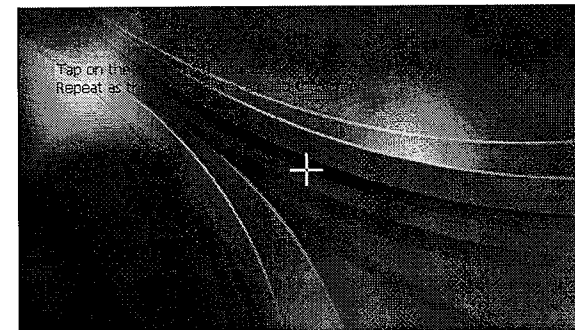


### 3.3.6 System Information

1. Tap the Sys Info. icon in the System Menu.
2. You can view the OS version, GPS firmware version and other system information.

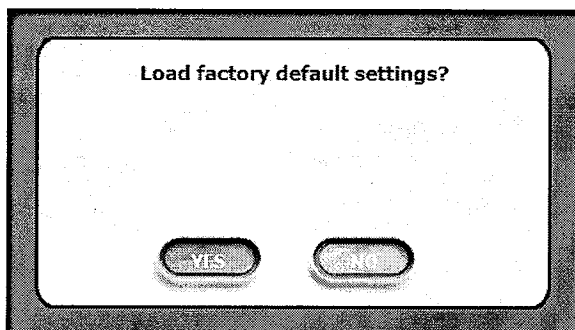


3. Tap "Calibration" to open the Calibration screen of the touch panel.  
Tap the center of the target as it moves around the screen.

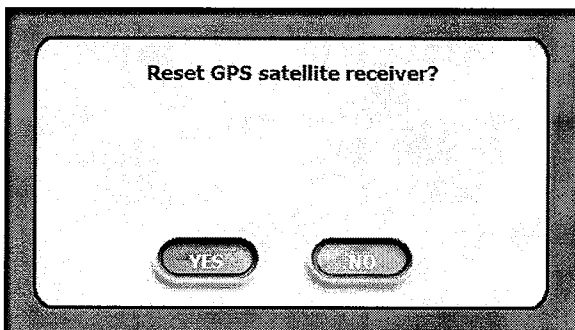




4. Tap "Factory Reset" to open a dialog box to select whether to reset the settings. Tap "YES" to reset the settings and "NO" not to reset the settings.



5. Tap "GPS Reset" to open a dialog box to select whether to reset the GPS satellite receiver. Tap "YES" to reset the receiver and "NO" not to reset the receiver.



6. Tap the Return button to return to the System Menu.



## Chapter 4 Contacts Management

This chapter discusses the basic functions of Contacts on the NVM-4030.

Contacts maintains a list of contact information. (e.g. your friend's and colleague's) These include their E-mail address, street address, multiple phone numbers, and other related information.

You can enter multiple address entries for each contact.

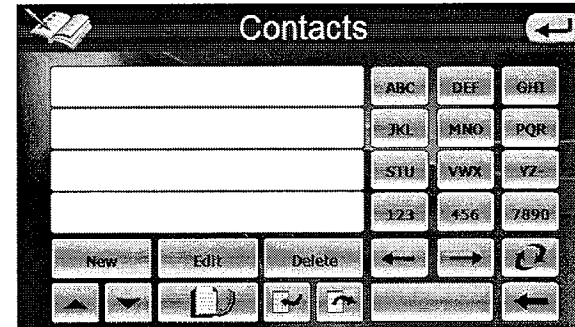
### 4.1 To open Contacts:


1. Tap "Contacts" on the Main Menu panel. The Contacts control pad displays.

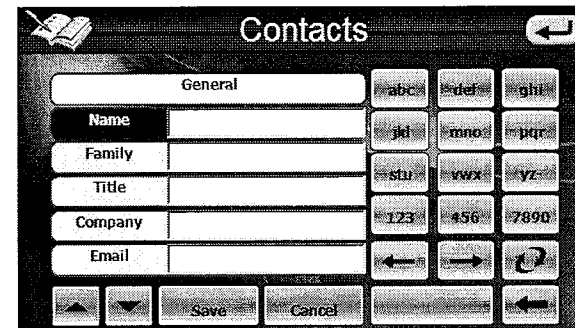


The control pad displays the list of contacts and several command buttons for performing various Contacts tasks.

### 4.2 Creating a new contact



1. Tap "New".
2. Tap on the each field to enter the related information for the new contact. Each tap of  changes the type of characters you can enter.



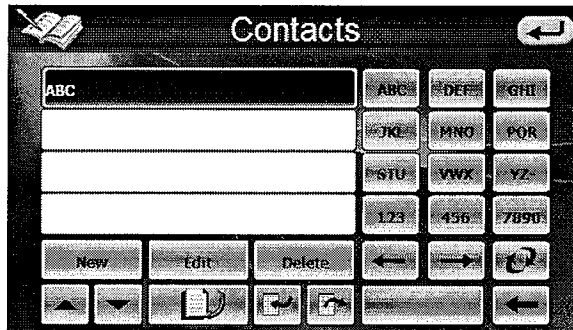
3. Tap the Up / Down Arrow to change the page and enter other address and contact information
4. Tap "Save" to save the new contact.

### 4.3 Editing contact information

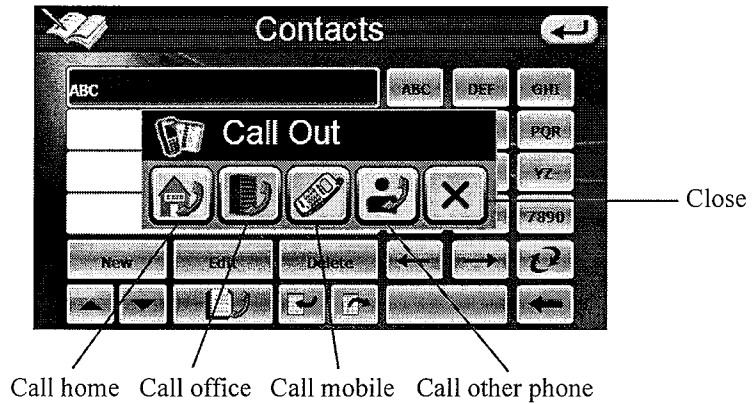
1. In the Contacts control pad, tap the contact you wish to edit.
2. Tap "Edit".
3. Enter the new information for the contact.
4. Tap "Save" to save the new contact.


### 4.4 Dialer

1. When the Bluetooth Hands-free settings are complete, you can call the selected address.  
Tap in the menu screen of Contacts.



2. The Call Out menu appears.  
Select where to call by tapping one of the "Home," "Office," "Mobile," and "Other" icons. User can select only orange icons.  
To cancel the call, tap the "X" icon.  
When a call is made, the Hands-free calling screen appears.




3. The phone number of the current call appears in the Hands-free calling screen. When you want to end the call, tap .

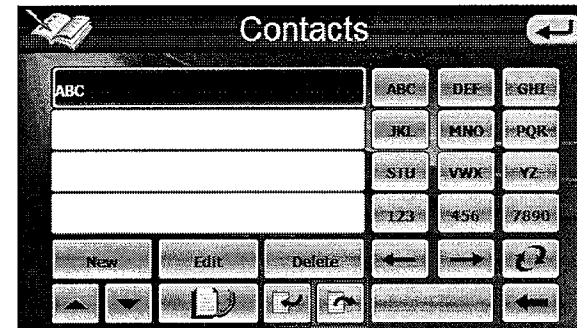


4. Tap the Return button in the top right to return to the menu screen of Contacts.



#### 4.5 Exporting contacts from your NVM-4030

1. Insert an SD or MMC into the device.
2. Tap .



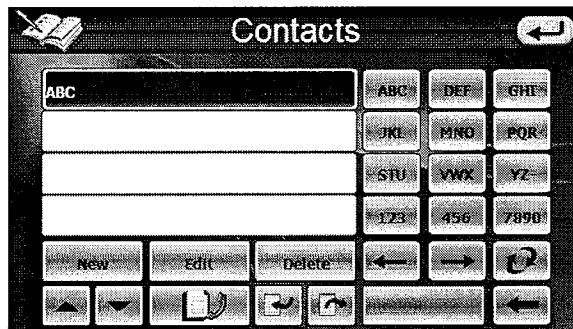
3. Select whether to export all contacts, or just the currently selected one. Selected contact(s) will be exported to the SD/MMC inserted in your device.



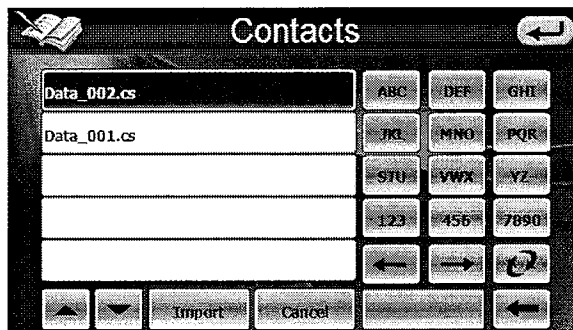


#### 4.6 Importing contacts to your NVM-4030

1. Make sure there is an SD or MMC in the device.
2. Tap

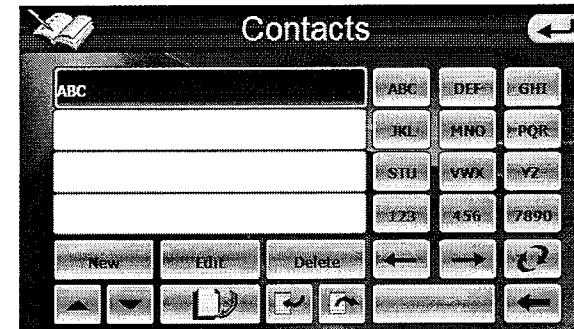


3. Select contact files (.cs) you want to import. Selected contact(s) that will be imported from the SD/MMC.
4. Tap "Import".



#### 4.7 Deleting contacts

1. In the Contacts control pad, tap the contact whose address you want to delete. Tap "Delete".



2. Tap "Yes" to delete.





## Chapter 5 MP3 Player

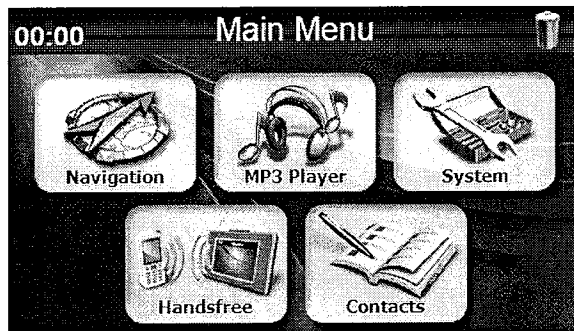
Enjoy your favorite music on the road. The program features:

- Support for MP3, WMA, and WAV files
- Auto-scanning of supported files in the device's SD/MMC card
- Separate volume control enabling you to adjust the playback sound level within the volume level set for system sounds
- Hot key function for volume control
- Playlist support based on sub-directory contents

Each sub directory containing compatible music files is treated as an individual playlist. For a more organized file search, it is advisable to named sub directories based on genre or listening preferences.

### Using the MP3 player

1. Tap "MP3 Player" on Main Menu.



2. The MP3 player window below controls playback.

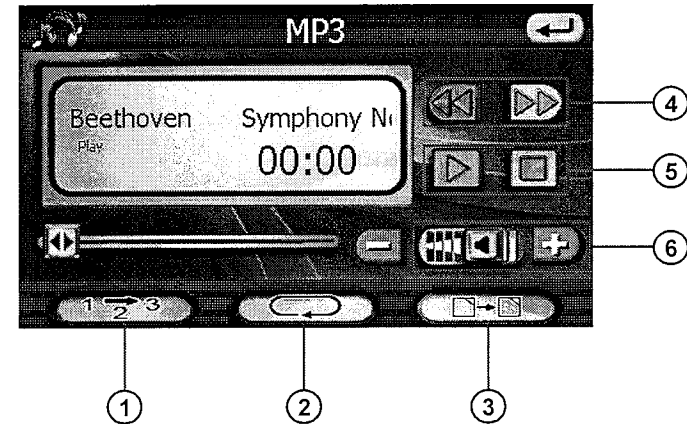
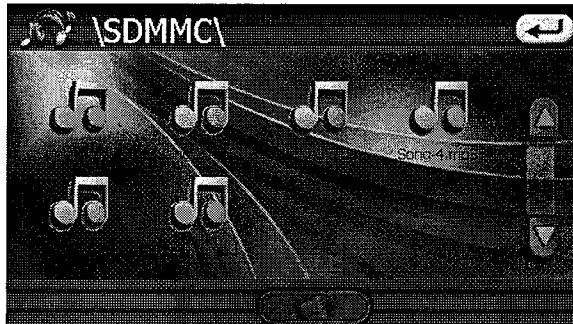


Table 5: MP3 player functions

No.	Function	Description
1	Random play	Plays files random order
2	Repeat	Repeats the selection
3	File collection/playlist	Goes back to main file/folder view
4	Skip backwards/forwards	Advances one song forward or backward
5	Play/Stop	Play or Stop
6	Volume	Audio Volume control



3. File collection menu (from #3 above).





## Chapter 6 Hands-free calling/Bluetooth

**NOTE:** Hands-free cannot be used while the headphones are connected.

Once your Bluetooth-enabled mobile phone is paired with your NVM-4030, you can make hands-free phone calls through your NVM-4030's integrated microphone and speaker. The NVM-4030 makes it easy to make and receive phone calls with ease while on the go.

Hands-free calling keeps things safe, letting you keep your eyes on the road, while your NVM-4030 integrates seamlessly with your mobile phone. Easy to connect and use, just follow a few quick steps to enjoy the benefits of Hands-free calling.

### 6.1 Connecting to your Bluetooth mobile phone

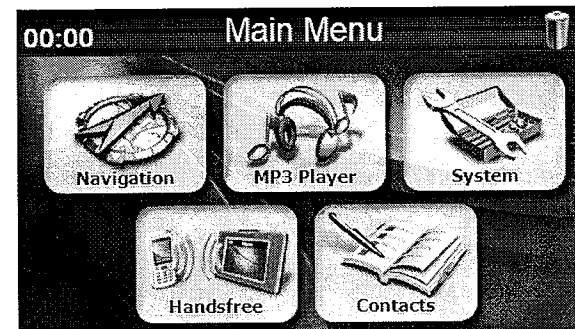
**NOTE:** Make sure the Bluetooth settings of your mobile phone.

- The Bluetooth switch is set to "ON" or "enable".
- The visibility is set to "Discoverable", "Show my phone".

(For more detailed information, see your phone's manual.)

1. Make sure that your mobile phone's Bluetooth is turned on.

2. Tap on the Hands-free icon in the Main Menu of the NVM-4030.

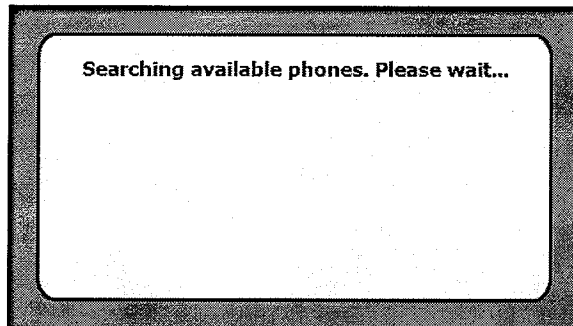


3. Next you will see the Hands-free calling window giving a choice of "Call out" or "Connection" or "Disable bluetooth".
4. Choose "Connection" if it is the first time you are connecting to your mobile phone.

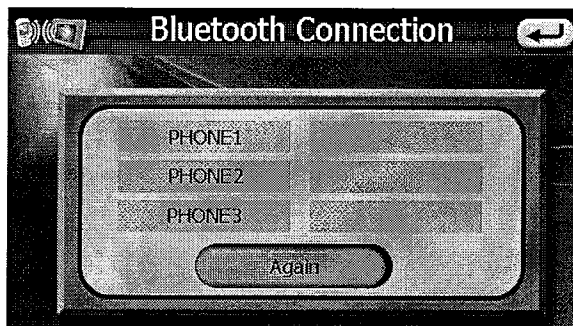




5. Next you will get a message saying “Searching available phones. Please wait...” as shown below.

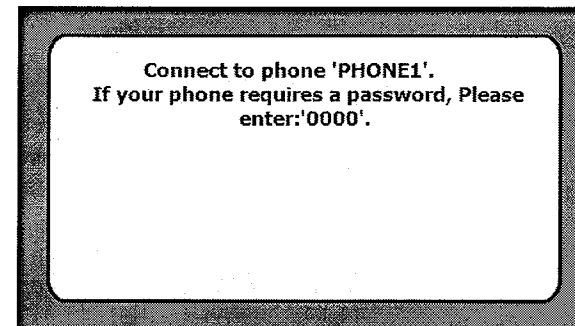


6. Otherwise, you will see a list of Bluetooth devices that are within proximity of your NVM-4030.



7. Next, select the device you want to connect to. In this case, let's connect to PHONE1 (“name of your phone”).

8. The mobile phone will often require you to enter a password to connect the device. Enter '0000' on the mobile phone in this case.



9. That's it, your mobile phone and the NVM-4030 auto negotiate a Bluetooth connection and now you are ready to make and receive calls.


**NOTE:** If the connection is lost, you should make the connection again.




## 6.2 Making calls

1. Tap the “Call Out” icon in the Hands-free calling menu.






2. Enter the phone number you want to call.  
After you enter the phone number, tap  to start dialing and enable the call to begin.



3. When you want to end the call, tap . The icon turns green and the call ends.



4. When you tap  to mute,  changes from green to red and the other party is unable to hear your voice.  
To cancel mute, tap .

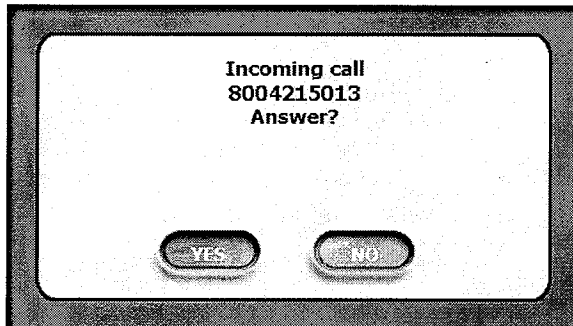







### 6.3 Receiving calls

1. When a call is received while your mobile phone is connected via Bluetooth, the caller's phone number and a message to select whether to answer the call appear.

To receive the call, tap the "YES" icon.



2.  appears in the top right of the screen during the call. When you want to end the call, tap .  disappears when the call ends.





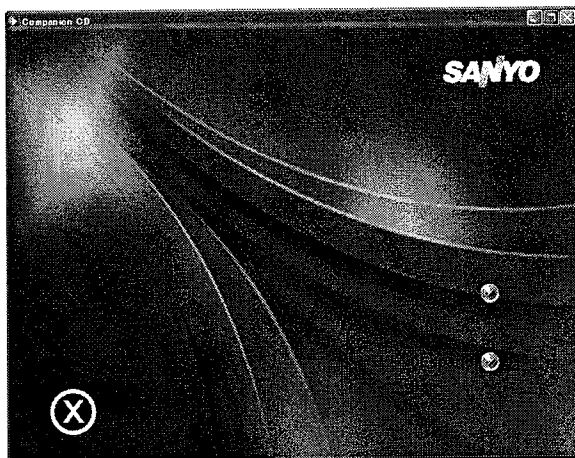
## Chapter 7 Accessory Disc

### 7.1 Companion CD

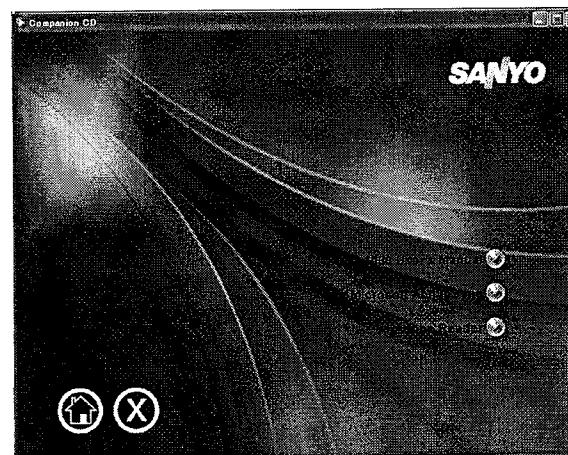
This CD includes User's manual, ActiveSync setup file, and Adobe Reader setup file.

#### Using the Companion CD

1. Insert the Companion CD to the drive of your computer.
2. Main Menu opens. (If the screen is not displayed, run "Launch.exe" from Explorer)
3. Select "English" as the language of the Companion CD.



4. After selecting the language, Sub Menu opens.



#### (a) User's Manual

Select "NVM-4030 User's Manual", Explorer opens. Select the file you want to see.

**NOTE:** You must install Adobe Reader for seeing the document.

#### (b) ActiveSync

Select "Microsoft ActiveSync", the installation of ActiveSync starts automatically.

#### (c) Adobe Reader

Select "Adobe Reader", the installation of Adobe Reader starts automatically.

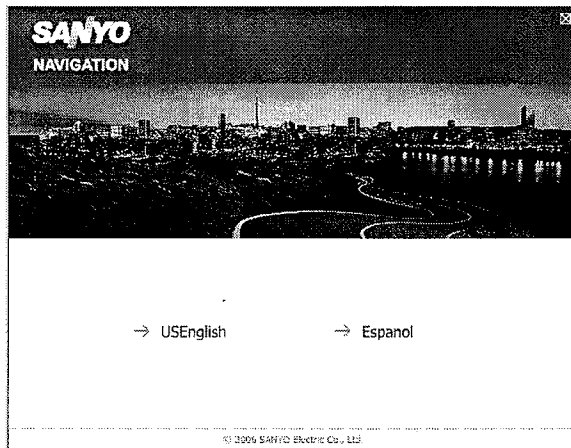


## 7.2 DVD Map Software (update DVD)

This DVD includes Navigation Software and Maps (Canada and USA).

### 7.2.1 Using the update DVD

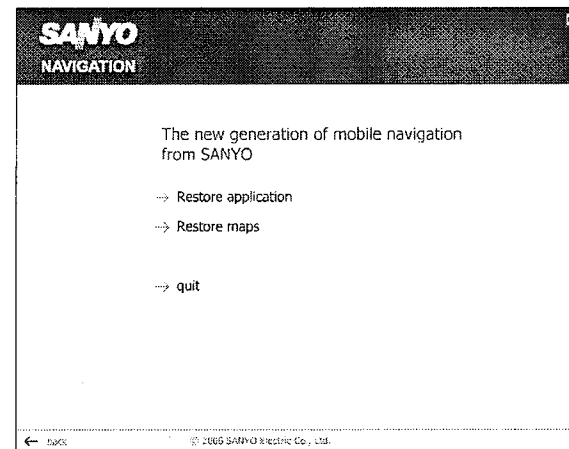
1. Insert the update DVD to the drive of your computer. Menu opens.
2. The below menu opens. (If this screen is not displayed, select and run “start.exe” from Explorer.)  
Select “US English” as the language of the update DVD.



### 7.2.2 Restore Data with direct copy to SD-Card

#### (a) Navigation software

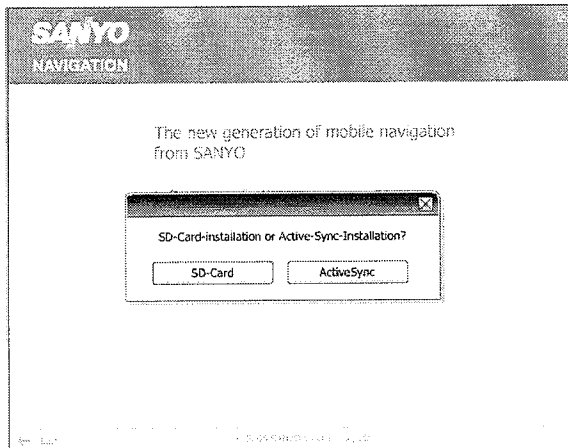
1. Select the “Restore application”.



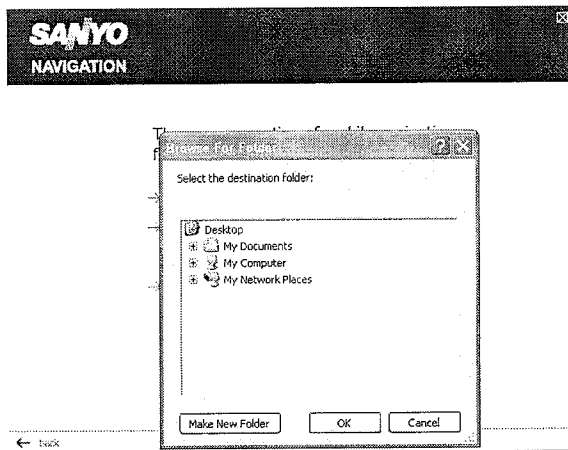




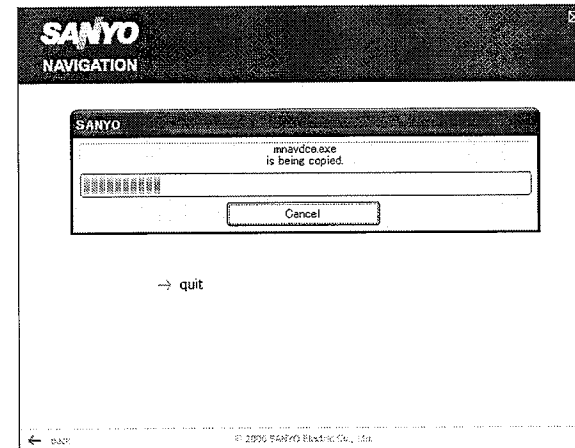
2. Select "SD-Card".



3. Select the folder of SD card.

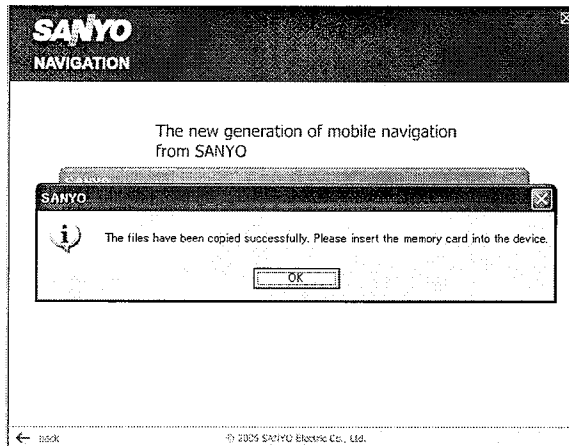


4. Data copy starts automatically. If you want to cancel data copy along the way, click "Cancel".

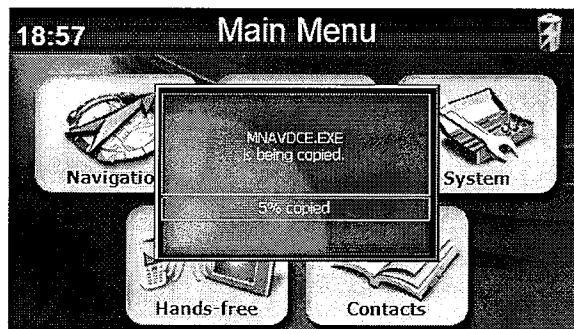




- After the data copy finished, click “OK” and remove SD card from your computer.



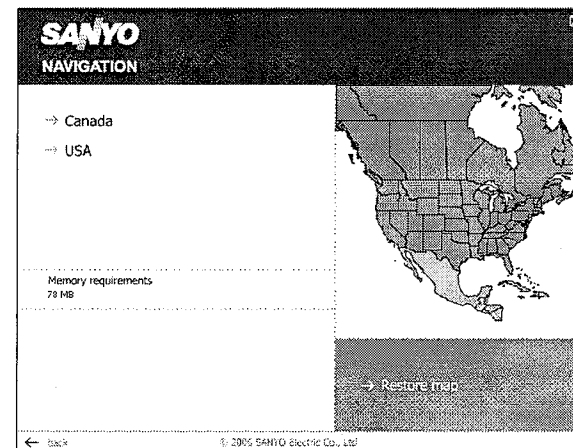
- Insert SD card to your device, software update starts automatically. (DO NOT REMOVE SD CARD WHILE UPDATING.)



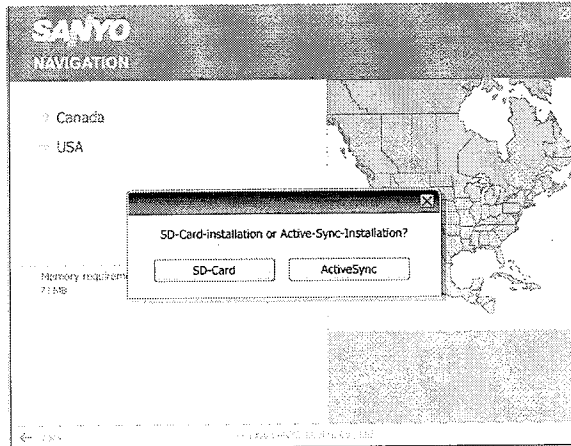
### (b) Map

**WARNING:** The available memory size of SD card must be MORE THAN 970MB for the map data.

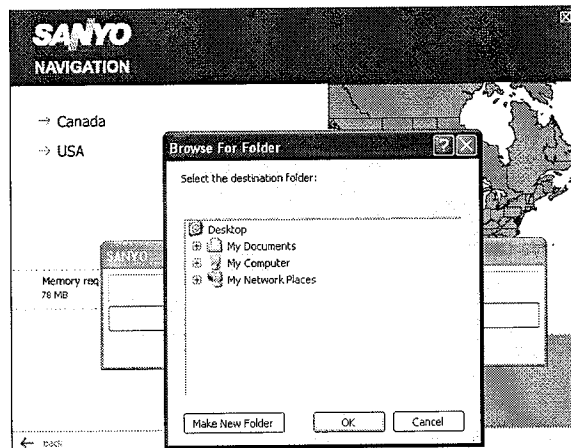
- Select “Restore maps”.
- Select the area from “Canada” or “USA”. The selected area turns orange on the screen. (This screen shows the case of “Canada”.)



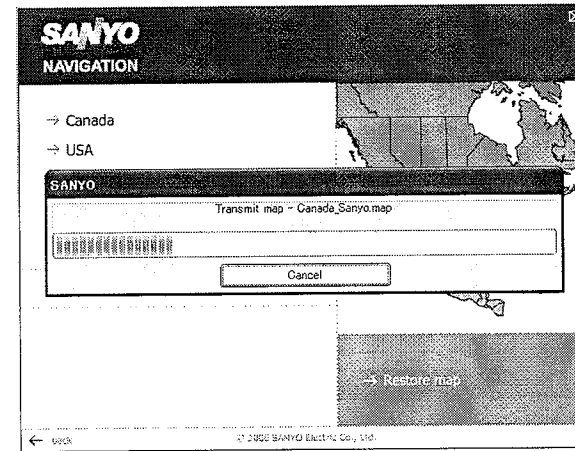
3. After clicking “Restore map”, select “SD-Card” on the dialog.



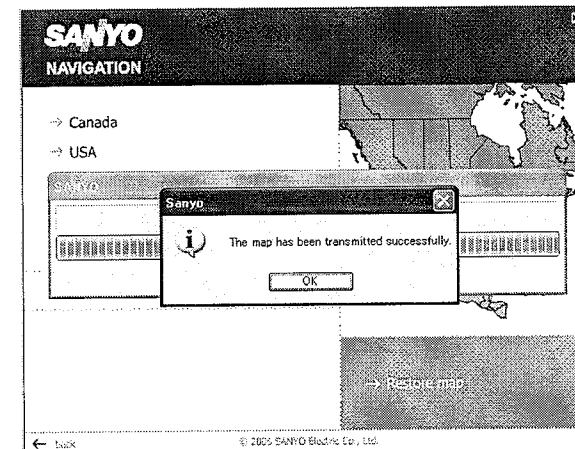
4. Select the folder of SD card.



5. Data copy starts automatically. If you want to cancel data copy along the way, click “Cancel”.



6. After data copy finished, click “OK” and remove SD-card from computer.





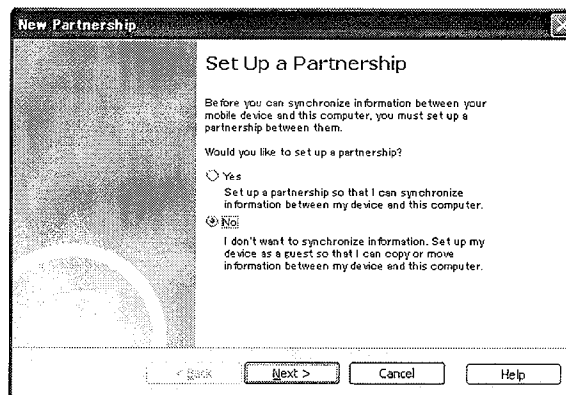
### 7.2.3 Restore Data with ActiveSync

1. Insert SD-Card to your device and turn on.

**WARNING:** In the case of ActiveSync, as compared with the direct copy to SD-Card, the handling time increases considerably. We recommend you the direct copy to SD-Card.

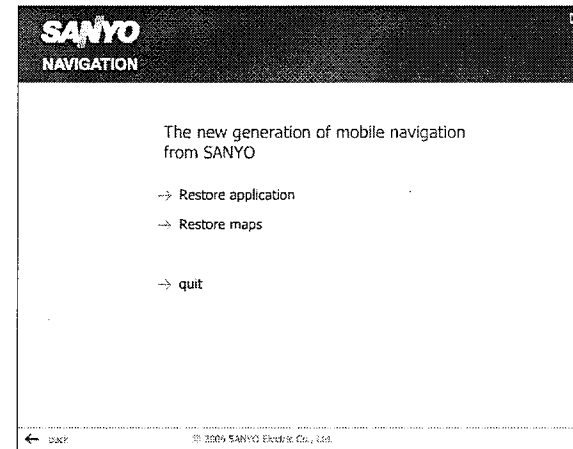
**WARNING:** The available memory size of SD card must be MORE THAN 970MB for the map data.

2. Connect your device with your computer by USB cable.
3. ActiveSync starts automatically. (If you don't install ActiveSync, set up ActiveSync for the first time.)
4. On "Set Up a Partnership" screen, select "No" and click "Next".

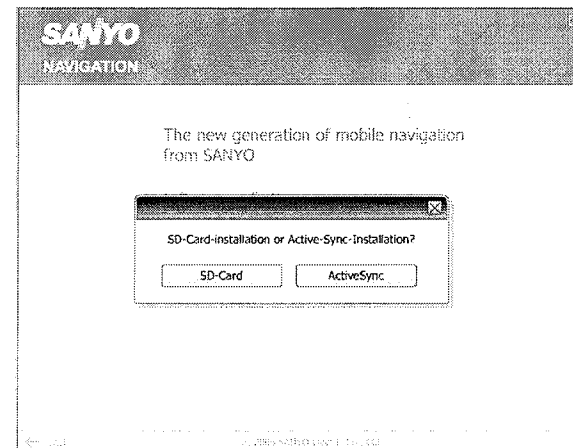


### (a) Navigation software

1. On the update DVD menu, select "Restore application".

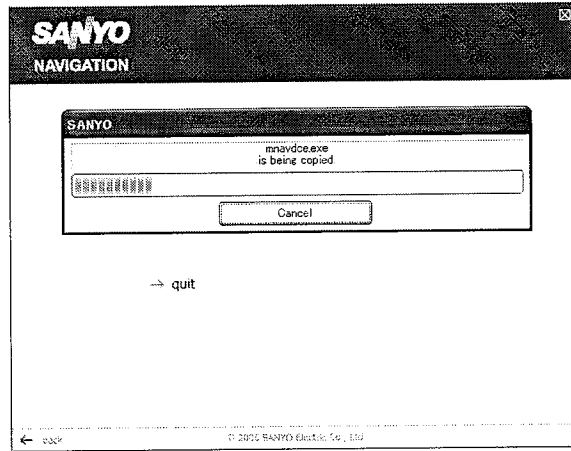


2. Select "ActiveSync".

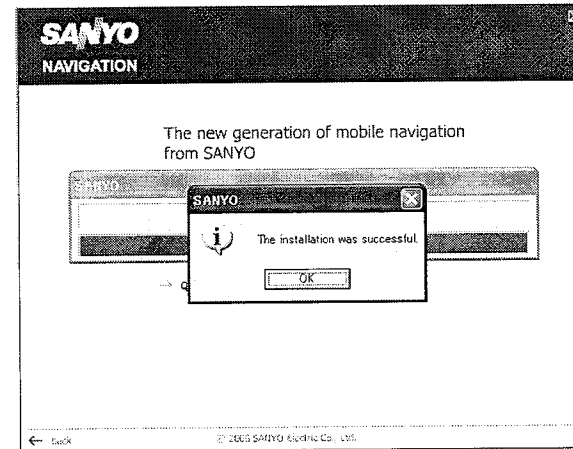




3. Data copy starts automatically. If you want to cancel data copy along the way, click "Cancel".

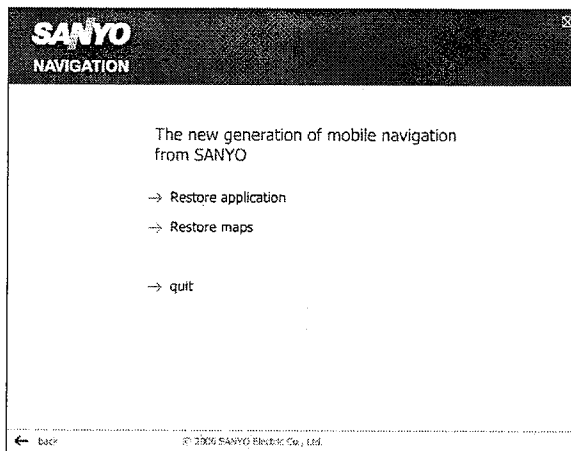


4. Data Copy finishes. After clicking "OK", software update starts automatically.  
(DO NOT REMOVE SD CARD WHILE UPDATING.)

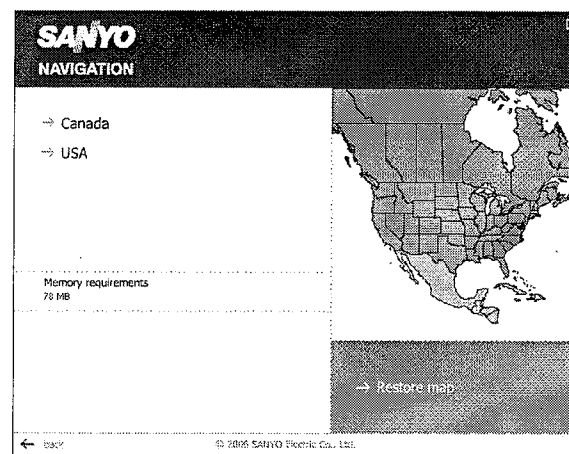


**(b) Map**

1. Select "Restore maps".

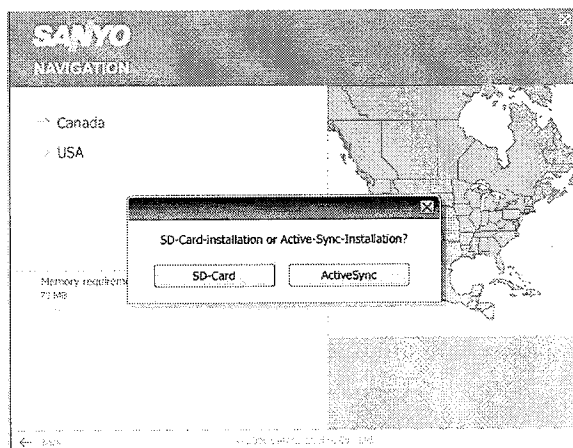


2. Select the area from "Canada" or "USA". The selected area turns orange on the screen. (This screen shows the case of "Canada".)

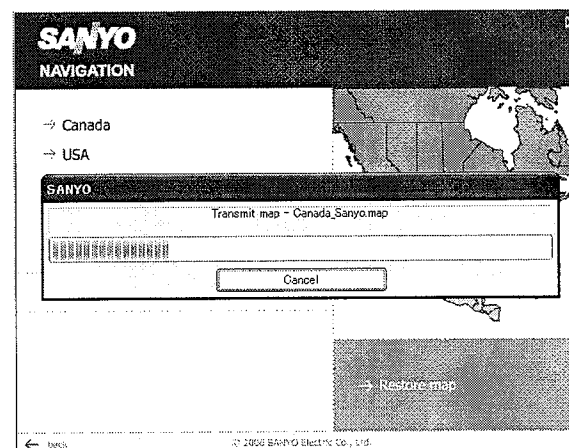




3. After clicking “Restore map”, select “ActiveSync” on the dialog.



4. Data copy starts automatically. If you want to cancel data copy along the way, click “Cancel”.





## Chapter 8 Troubleshooting

### 8.1 System stops responding; is “frozen” or “locked up.”

- To reset the NVM-4030, take a sharp object like a pen and depress the reset button on the bottom of the device. This is called a “soft reset.”

### 8.2 If your device still does not respond, do a “hard reset.”

- To do a “hard reset,” Disconnect all cables, including the AC adapter, from your device. Use a sharp object to slide the battery ON/OFF switch on the bottom of the device to the OFF (left) position.

### 8.3 Users can also perform a “system reset.”

- To do a “system reset,” in the Main Menu, tap System, then tap System Info. This will allow you to do a factory reset (restore to default settings), reset the GPS and recalibrate the touchscreen interface.

### 8.4 Screen responds slowly

- Make sure you have enough battery power.

### 8.5 Inaccurate response to taps.

- Recalibrate the touch screen.

### 8.6 Connection Problems with PC.

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

### 8.7 No GPS connection

- Make sure that the GPS antenna has a clear view of the sky.
- Note that the GPS reception can be affected by:
  - Bad weather
  - Dense overhead obstacles (e.g. trees and tall buildings)
  - Other wireless devices in the car

### 8.8 No sound coming from the device.

- Make sure mute is not selected for Volume in system settings. The built-in speaker turns off when the headphones jack is being used.

### 8.9 Takes longer than normal time to get a GPS fix.

- If the previous GPS fix position was more than 500 km or 12 hours apart from your current position and time, it will take significantly longer than the standard TTFF time to get a GPS fix. This is due to the nature of the GPS algorithm and rotational velocity between the satellites and planet Earth, and deemed normal.
- Perform a GPS reset in the main/system/system info menu to get a faster GPS fix.

### 8.10 Factory reset does not mean a GPS reset.

- The Factory Reset function only resets the OS settings to their default factory values; it will not reset the GPS settings.





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