PNAV-3550 User's Manual

Thank you for purchasing the PONTUS navigation product.

This user's manual explains detailed methods of use regarding our product. For safety and efficiency, make certain to become familiarized with the contents of this manual before using this product.

<FIG 1>
Logo Screen

CONTENTS

3. Troubleshooting

4. Product Specifications

5. Technical Support & Product Warranty

Chapter 1 Product Information

1. Product Introduction

2. Make certain to read before use

3. Caution when handling the CD

1. Product Information

This product is a car navigation with MP3 player system. It is designed to be installed and used in vehicle. A GPS engine and an antenna have been mounted for car navigation along with an accurate digital map.

The user manual for this product may change without prior notification and affect performance improvement. We ask for your understanding when actual conditions vary due to this reason.

The screen in this user's manual may appear different than the actual screen .

Strictly abide to the warning/caution/prohibited regulations stated within this user's manual for maximum driver and user safety and to prevent property damage.

2. Make certain to read before use.

[Abiding traffic regulations]
The digital map used in this product has been produced using the most recent road conditions. However, certain information regarding actual conditions of roads and buildings may not yet have been included or may have changed after the release of the product, so it is recommended that the user drive while abiding actual road conditions and traffic regulations.
<Caution> No damages or claims will be awarded for any accidents which occurred while not abiding actual road and traffic conditions. This product should only be used as an additional reference.

[Understanding GPS]

GPS used for commercial purposes will carry a distance error, on average, of 15 meters(convert to feet). In addition, the distance error reading when close to buildings, underpasses, overpasses, and others may be up to 100 meters(convert to feet). Please take this into consideration during use.

[Warnings]

- Do not install the device on top of the vehicle's airbag.

If an accident occurs, the movement of the airbag may cause this product to harm the user.

- Do not operate while driving.

Operating while driving may cause traffic accidents due to lack of caution in gauging upcoming road conditions. When requiring route settings or other operations, be sure to stop and activate the parking brake before such use.

-Do not continuously watch the screen.

Watching the screen for prolonged periods while driving is very dangerous.   Use this device safely as not to prevent oneself from fully understanding real traffic conditions or from seeing pedestrians.

-Do not use this device if there are signs of malfunction.

Continuous use while there are symptoms of malfunction, such as strange smells and sounds, may cause fires and other damage. In such cases, turn off the power and inquire with your place of purchase.

[Caution]

- Be cautious not to introduce foreign substances inside the device.

Water, beverages, and other foreign substances may cause damages to this product.

-Do not cause excessive force.

  Excessive force may cause damages to this product.

-Use in moderate volume levels.

Do not receive voice guidance in high volume levels which deter you from understanding the road conditions outside of the vehicle.

-Route/Voice Guidance may be different from actual road conditions.

Practice safe driving by abiding to actual road regulations as route/voice guidance may be different from actual road conditions.

-Satellite reception may require a long period of time.

A certain period of time is required for initial GPS satellite reception from the time of powering the unit. Weather and surrounding conditions may cause differences in the required time period.

-Operate cautiously after leaving the device in high or low temperature locations.

Abnormal operations may occur upon use after prolonged parking periods in locations with severe temperature changes. Please begin use after achieving normal internal temperatures inside of the vehicle.

(Normal operating temperature: 32~131F)

[Prohibited]

-Do not use the device for long periods of time with the engine turned off.

  Prolonged use with the ignition off may cause the battery to discharge.

-Do not apply metal window tint.

Applying strong window tint to the window area in which the GPS Antenna is installed may cause instability in GPS data reception or errors.

-Do not place metal substances near the GPS Antenna.

Placing metal substances near the area in which the GPS Antenna is installed may deter performance in GPS data reception.

-Do not use the device alongside products which emit radio frequencies or with other similar GPS devices.

Products which emit radio frequencies or other GPS products may have an effect on this device. Limit simultaneous use as these types of devices may cause deterred GPS reception performance.

-Do not disassemble, repair, or modify the device.

Damage caused by disassembling, repairing, or modifying may cause fires and accidents and cannot allow reception after service repair. In cases when requiring repair, please inquire with your place of purchase.

3. Caution when handling the CD

The CD included with this product may not operate properly if it has been scratched, damaged through contact with a foreign substance, or becomes bent due to high temperatures.

-Do not allow contact with foreign objects, especially volatile substances which may cause extreme damage.

-Negligence in high temperatures may transform the shape of the CD and cause abnormal operations.

-Scratches may cause abnormal operations.

-When cleaning the CD make sure to use a soft cloth and wipe in an inside to outside direction.

-Use caution not to leave marks, such as fingerprints, when handling the CD.

Chapter 2   Before use

1.   What is included in the box

2.   Names of each section
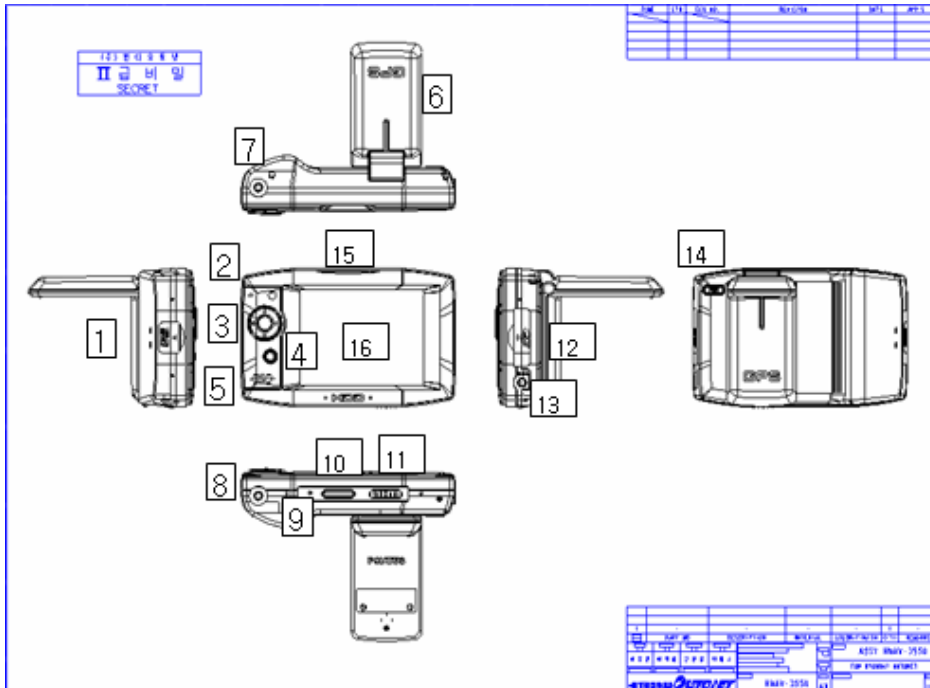
1. What is included in the box

After purchasing this product, open the packaging and see if any of the components listed below are damaged or missing. If there is an abnormality, make an inquiry with your place of purchase. As these images are to facilitate the understanding of the consumer, they may differ from actual conditions.

Please include AC Adapter

<2> Unit	<3> Cradle	<4> Window Mount Stand	<5> EarPhone
<6> User's Manual	<7> USB Cable	<8> CD	<9> AV IN/OUT 3RCA CABLE 2EA
<10> AC Adaptor			

2. Name of Each Section

[Main Unit]

(1) USB Port

  : It is a port used to connect the main unit to a PC using a USB cable, which could be used for updating a map and uploading a data file.

(2) MIC Port

  : It is a section that could record voice by inserting a microphone.

(3) DIRECTION/SELECTION Button

  : It is a button for making volume adjustment or selection of fast advance and moving possible.

(4) MENU Button

  : It is a button for moving to an initial screen of the main menu.

(5) SPEAKER

  : It is an internal speaker enabling to listen to movie, music and voice guidance without an earphone.

(6) GPS Antenna

  : It is a section embedded with a GPS antenna, which should be raised in order to be horizontal with the direction of the sky.

(7) EARPHONE Port

  : It is the port enabling to listen to music, movie and voice guidance using an earphone.

(8) VIDEO/AUDIO OUT Port

  : It is an input/output port for video and audio. (AUX)

(9) RESET Switch

  : Press the reset switch when a problem occurs on the operation system or the program of the product designed based on WinCE.

(10) SERIAL Port

  : It is a port used to connect AUX to the power supply by connecting a cradle.

(11) TV/HOLD/LCD Switch

  : It is an activation mode determining the state of TV/HOLD/LCD when outputting an image externally.

(12) SD CARD Slot

  : It is a slot used to insert a memory card. The map or music, picture and movie files could be seen by storing them in the SD memory card.

(13) Power Connecting Terminal

  : It is a port used to charge the product by using an AC adapter.

(14) POWER ON/OFF Button

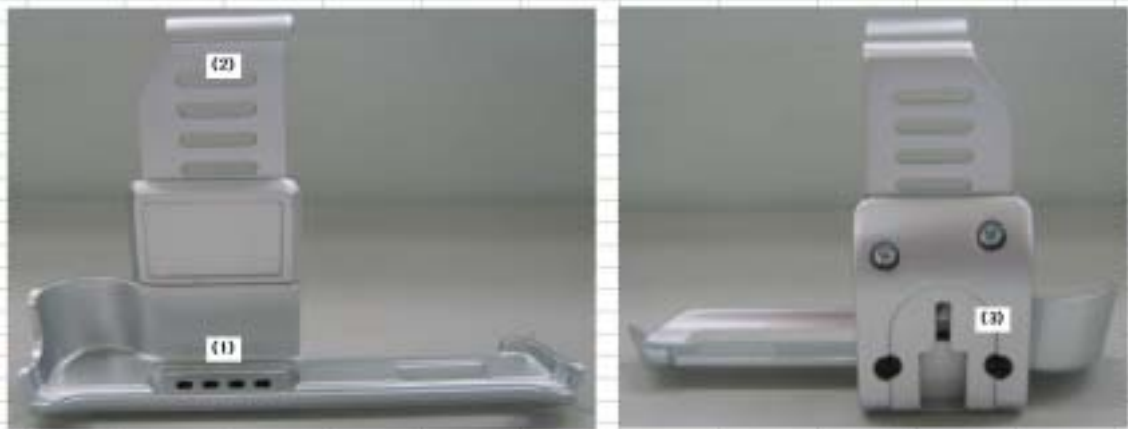 : Power is turned ON/OFF by pressing a power button for more than 2 seconds.

(15) Mood Lamp

  : It is a section where a mood lamp is turned ON/OFF.

(16) 3.5" LCD

  : It is the TFT LCD window making touch input possible.

[Cradle]

(1) Power Connector

   : This supplies power to the Device through the vehicle 12 volt jack cable. If the power is not being supplied smoothly, check to see whether the area around the cradle connection or the device connection is dirty and clean if necessary.
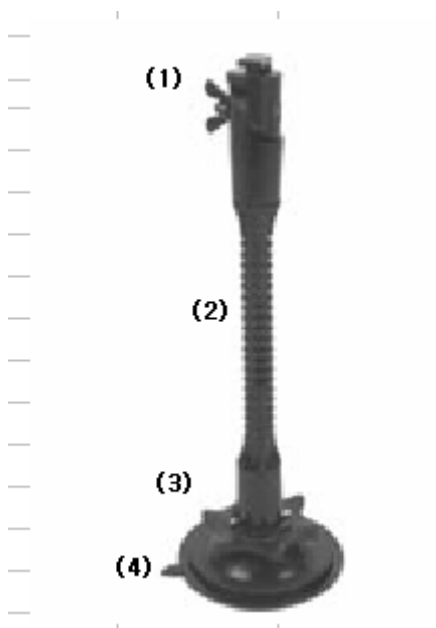
(2) Product Fastener

   : This is the component which fixes the product by fastening its top and bottom sides. Only fasten the product after installation is complete.

(3) Mount Stand Connector

   : This is a section which connects with the Mount Stand. Make sure to insert it all the way to secure a fixed connection with the Mount Stand and Cradle before starting use.

[Mount Stand]

(1) Cradle Connector Section

  : This is the section which is inserted behind the cradle to make the product immobile.

(2) Rotator

  : This is the section which allows the angle of the product to be set in accordance to the driver's eyesight. Be cautious not to frequently bend and unbend since this may lead to breakage.

(3) Window Suction Tightening Lever

  : Apply the window suction cup with the window suction tightening lever released and then pull the lever to tightened adhesion against the window.

(4) Window Suction Cup

  : This is an important component which tightly fastens the product against the front window of the vehicle. Upon fastening, be aware that foreign substances, such as dust, may lead to decreased adhesive strength.   Make sure to fasten in a state where the inside of the suction cup and the front window are clean.

* When fastening in cold temperatures, the rubber component comprising the suction cup may harden, causing decreased adhesive strength. In this instance, increase the internal temperature of the vehicle and fasten the cup after checking that the rubber component has returned to a softened state.

Chapter 3   Installation

  - Car installation

Follow these steps when installing the device in your vehicle.

(1) Mount the mount stand against the front window of the vehicle.

(2) Connect the top connector of the mount stand with the connector insertion behind the cradle.

(3) Gently place the bottom side of the device on the bottom surface of the cradle and slowly insert inward until a "click" sound, signifying fixation, is heard. Upon fixation, adjust the GPS Antenna on the backside so that it becomes horizontal to the sky.

(4) Connect the 12 volt jack cable with the 12 volt connector within the vehicle.

   Press the power button to turn on the device.

Chapter 4. Screen Explanation by each Mode and Basic Directions

1 NAVI MODE

2 MUSIC MODE

3 MOVIE MODE

4 PICTURE MODE

5 RECORD MODE

6 SD CARD MODE

7 Environment Setting

Screen Explanation by each Mode

The screen will be moved to a relevant menu when selecting a desired picture among icons on a screen.

1. NAVI MODE

REFER to SPACE MACHINE NAVI

* After operating NAVI for the first time, it could be terminated when using a NAVI termination button only.

2. AUDIO MODE

Execution/Termination of the AUDIO PLAYER
The AUDIO icon should be clicked at the main menu when wishing to execute the AUDIO PLAYER.

The following two menus will appear when starting the AUDIO PLAYER.

'YES'- Playing the music file starting with the file heard when used previously.

'NO'- Playing the new music file by opening a new file.

The following search window will be open when selecting 'NO'.

1) Previous Button: Moving to the immediate previous screen.

2) Check Box: Selecting relevant directories and files.

_____

3) Upward/Downward Button: Moving upward/downward when searching for a file.

* The checked file will be changed to yellow when it is selected, and the screen will be moved to the program execution screen when selecting the file once again.

1) STOP Button: Moving to the main menu after completion.

2) PREVIOUS MUSIC Button: Moving to previous music.

3) PLAY Button: Playing a selected file.

4) STOP Button: Stopping a file in the midst of playing.

5) NEXT MUSIC Button: Moving to next music.

7) 1 Button: Repeating music in the PLAY LIST window one at a time or entirely, or playing it normally.

8) EQ Function: A user could listen to music among 'JAZZ/ROCK/CLASSIC/NORM' in user's own style..

9) Tool Button: Starting the environment setting menu.

10) + Button: Adding files to the PLAY LIST window.

11) - Button: Deleting files selected from the PLAY LIST window.

* When NAVI voice guidance comes on while music is playing, the MP3 will be muted for a moment and will return to normal after completion of NAVI voice guidance.

_____

3. VIDEO MODE

Execution/Termination of the VIDEO PLAYER

The VIDEO icon should be clicked at the main screen when wishing to execute the VIDEO PLAYER.

The following two menus will appear when starting the VIDEO PLAYER.

'YES'- Playing the movie file starting with the file seen when used previously.

'NO'- Playing the new movie file by opening a new file.

The following search window will be open when selecting 'NO'.

(Picture Correction)

1) Previous Button: Moving to the immediate previous screen.

3) Upward/Downward Button: Moving upward/downward when searching for a file.

* The checked file will be changed to yellow when it is selected, and the screen will be switched to the

VIDEO PLAYER screen when selecting the file once again.

_____

1) STOP Button: Moving to the main menu after completion.

2) REW Button: Moving backward fast while playing.

3) PLAY Button: Playing a selected file.

4) STOP Button: Stopping a file in the midst of playing..

5) FF Button: Moving forward fast while playing.

6) SLIDE BAR: Moving a file to a desire position in the midst playing by using touch input.

7) TOOL Button: Starting the environment setting menu.

8) FILE OPEN Button: Moving to the video search window to open a desired movie file again.

* When NAVI voice guidance comes on while a movie is playing, the movie will be muted for a moment and will return to normal after completion of NAVI voice guidance.

_____

4. PICTURE MODE

lovestory.jpeg   1/ 40

1) STOP Button: Moving to the main menu after completion.

2) TOOL Button: Starting the environment setting menu.

3) PREVIOUS PICTURE Button: Moving to a previous picture.

4) NEXT PICTURE Button: Moving to a next picture..

5) Counterclockwise Button: Rotating an image by 90 counterclockwise.

6) Clockwise Button: Rotating an image by 90 clockwise.

7) SLIDE Button: Showing pictures in the list continuously in an interval of 4 seconds.

8) FILE OPEN Button: Moving to the video search window to open a desired movie file again.

* Music could be heard while watching an image file, and the NAVI voice guidance function also will operate normally.

5. RECORD MODE

Execution/Termination of the RECORDER

The RECORD icon should be clicked at the main screen when wishing to execute the RECORDER.

The RECORD MODE should be selected from the following screen.

1) Voice Record Button: Recording voice by using MIC.

2) Audio Record Button: Recording audio through the external output.

3) Video Record Button: Recording video through the external output.

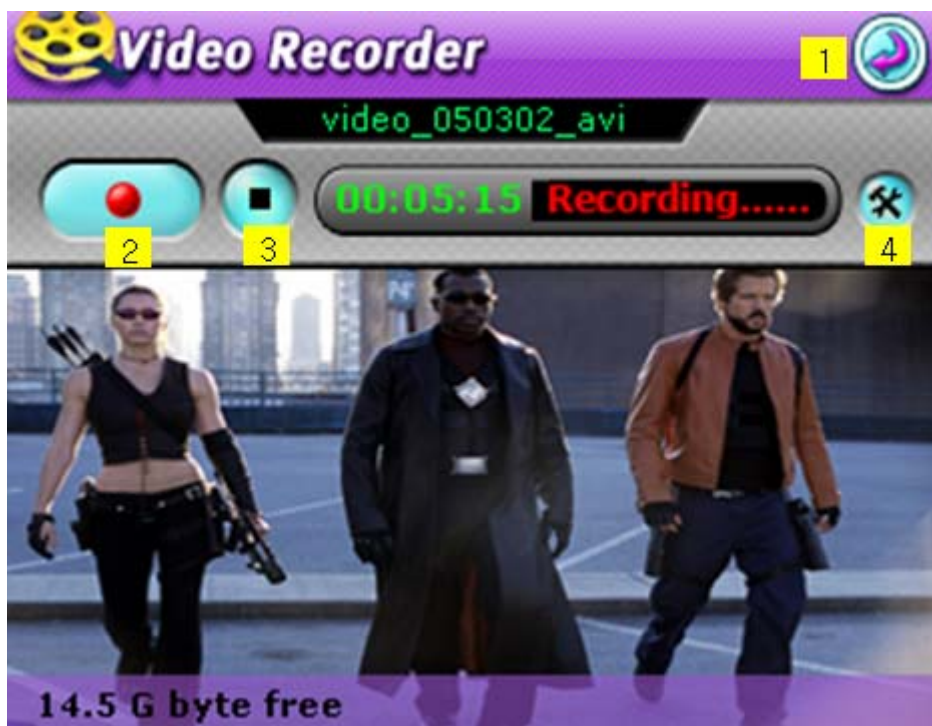The screen will be switched to the RECORDER screen when selecting a desired button.

1) AUDIO RECORD MODE

1) STOP Button: Moving to the main menu after completion.

2) STOP Button: Stopping the recording.

3) RECORD Button: Starting the recording.

4) TOOL Button: Starting the environment setting menu.

* Select the Environment Setting icon during the recording, and check the Power Auto Setting to OFF at the System Setting screen.

2) VIDEO RECORD MODE

1) STOP Button: Moving to the main menu after completion.

2) RECORD Button: Starting the recording.

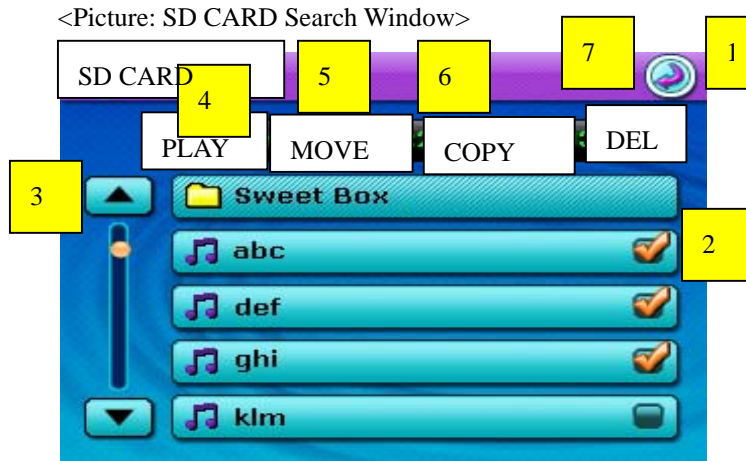3) STOP Button: Stopping the recording.

4) TOOL Button: Starting the environment setting menu.

* Select the Environment Setting icon during the recording, and check the Power Auto Setting to OFF at the System Setting screen.

6. SD CARD MODE

   <Picture: Main Menu>

The SD CARD icon should be clicked at the main screen when wishing to execute the SD CARD

<Picture: SD CARD Search Window>

1) STOP Button: Moving to the main menu after completion.

2) CHECK Box: Selecting relevant directories and files.

3) UPWARD/DOWNWARD Button: Moving upward/downward when searching for a file.

4) MOVE Button: Deleting the checked files from the SD CARD and moving the files to the relevant directory in a hard disk.

6) COPY Button: Leaving the checked files in the SD CARD and copying the files to the directory in a hard disk.

7) DEL Button: Conducting a function of deleting checked files.

* The checked file will be changed to yellow when it is selected, and the screen will be switched to the program execution screen when selecting the file once again.
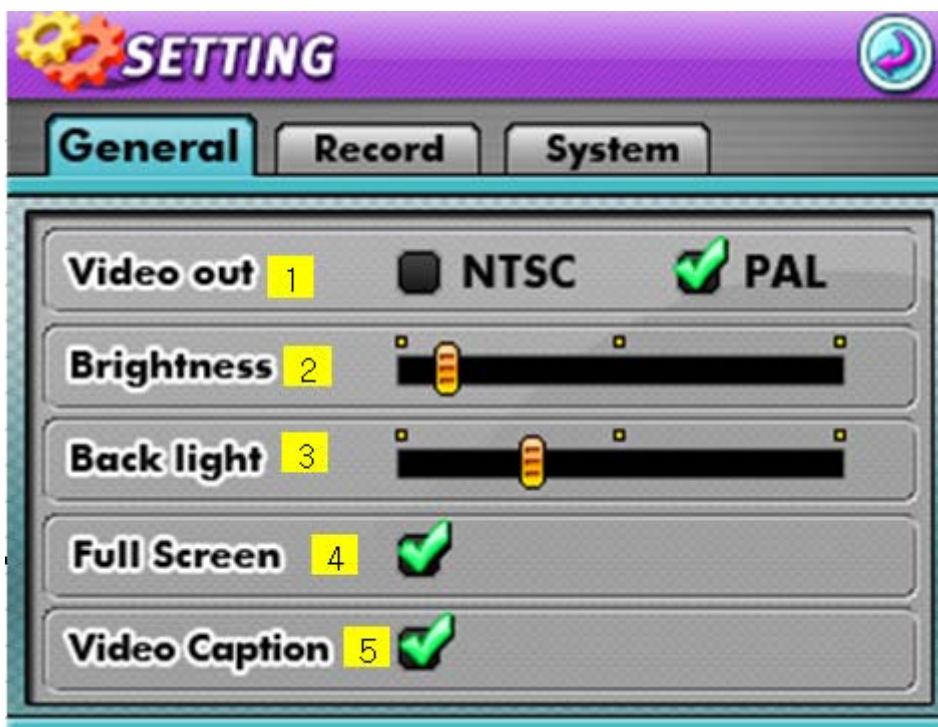
* Execute the files in the SD CARD by moving to a hard disk, as much as possible.

7 Environment Setting and FAQ

The screen will be switched to the environment-setting menu when selecting the environment-setting icon

at each PLAYER.

1) VIDEO OUT: Selecting either NTIC or PAL method for a scanning method.

2) Brightness: Adjusting the brightness of the LCD.

3) Back Light: Adjusting the LCD back light section.

4) Full screen: Setting the full screen view when playing video.

5) Video Caption: Selecting an option of video captioning.

1) Video Record: Adjusting the recording quality when recording video.

2) Audio Record: Adjusting the recording quality when recording audio.

1) Power Auto: Setting the time related to automatic power off.

2) LCD Auto: Setting the time related to automatic LCD light off.

3) Hard Disk: Indicating the capacity of a hard disk.

4) Update: Start updating software.

Chapter 5   Miscellaneous Issues

1. Data Upload & Download Methods Between a Computer and PNAV-3550

4.   Turn on the power supply of the product on.

5.   Connect the product to a computer with the provided USB cable.

6.   The large-capacity storage device will be registered at the computer browser.

7.   COPY, PASTE or DEL files as if using the computer browser.

* Note: Movie, music and picture files must be downloaded to the relevant directory of PNAV-3550.

2. Upgrading Method for the System Palm ware

1) Turn on the power supply of the product on.

2) Connect the product to a computer with the provided USB cable.

3) Copy the update file from the Internet or the CD to be provided to the directory A of the product.

4) Move to the setting screen by pressing the environment-setting button.

5) Press the UPDATE button and execute according to the screen.

6) An initial screen of the main menu will appear when completing the update.

* Note: Connect a provided household AC adapter and proceed with updating, and do not turn off the power supply while updating.

2. Troubleshooting

■ The following cases must be resolved through reset.

- when the screen does not appear even after pressing the power button.

- when screen response becomes extremely slowed.

- when terminal operations stop

* Caution: Using the reset for cases besides those mentioned above may cause damage to data.

■ Cases when the power does not turn on when using only the internal battery source

- Operations may stop if the remaining battery level becomes too low. In these cases, turn on the power after connecting the AC Adapter. Use only the AC Adapter which has been supplied with the device. Using other types of AC Adapters may cause operation malfunctions or damage to the device.

- When in use, mount the device onto the cradle and connect the adapter to the cigarette jack before turning on the power.

■ Cases when the internal battery does not recharge

- Check the connection state of the AC Adapter

- When using the cradle within the vehicle, check the connection state between the adapter and the cigarette jack. A red LED will turn on once it has been properly connected.

- Check the connection state between the device and the cradle.

-Check the connection state between the device and the recharge connection terminal of the cradle.
   The battery may not properly recharge if the recharge connection terminal is not clean. In this case, use the device after the recharge connection terminal of the cradle has been properly cleaned.

■ Cases when the touch panel is not operating accurately

- Press the touch panel adjustment icon within the environment setting menu and adjust the touch panel in accordance to its instructions.

■ Instances when the USB cable does not properly connect the ActiveSync Program on the PC

- Check the connection state of the USB Cable.

- Check the ActiveSync version on the PC. The ActiveSync version compatible with the product must be installed.

- Check to see that the power for both the PC and the product is on before connecting the USB Cable.

■ Instances when the SD Memory Card is not recognized

- Check to see that the SD Memory Card has been inserted properly into the socket of the terminal.

- SD Memory card recognition may falter when used without the insertion terminal having been properly cleaned. In these cases, use the SD Memory Card after the insertion terminal has been properly cleaned.

■ Instances when GPS information reception does not work

- Install the terminal within the vehicle in a location which has access to the sky.

- Check to see that the GPS Antenna is set horizontally.

-Other devices (Car TV, others) in proximity to the device may interfere with GPS reception.

- Use of the device with the internal battery completely discharged may cause GPS reception to take

longer periods of time.

- Tunnels, underground parking structures, and high-rise buildings may cause decreased GPS reception performance.

3. Product Specifications

1) Unit

OS	Window CE 4.2 .NET
Flash memory	64MB
Display	3.5" TFT (Touch Screen)
Size(mm)	123(W) * 77(H) * 32(D)
Operating Temp.	32~131

2) Accessories

Power Cable (Cradle)	5 V
Window Mount Stand	Window Mount Stand
AC Adaptor	110~220 V
USB Cable	Mini USB

3) Play File Specifications

Audio	File Format	MP3(*.mp3), WMA(*.wma), WAV
Video	File	AVI,ASF,WMV,Divx,etc
	Codec	MPEG, Xvid, WMV
	Video Frame Rate	Max 15 fps
Image	File Format	JPEG(*.jpg), BMP,GIF

4. Technical Support & Product Warranty

1) Registration Instructions

All customers who have purchased this product must register through our corporate website for effective technical support, customer service, and information for product updates. In order to register, connect to our website www.pontususa.com and register by selecting the "register/login" menu.

2) Technical Support

For technical support or other inquiries, contact us via our website (www.pontususa.com), or by the

following telephone and fax numbers: (Tel)562-946-5000, (Fax)562-946-5004.

3) Warranty Service

The Warranty period for the purchased product is 1 year. In order to receive service within the warranty period, apply for an RMA through our corporate website and then send us the product along with the RMA Code. Service will not be applicable without the RMA Code.

Tel) 562-946-5000

Fax)562-946-5004

E-mail : support@pontususa.com

Homepage: www.pontususa.com

*RMA (Return Material Authorization)

FCC Compliance Statement

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.

Caution : Any changes or modifications in construction of this device which are not expressly approved the party responsible for compliance could void the user's authority to operate the equipment.

NOTE : 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.