



unav

GPS Navigator

User Manual

R08

August 2012

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Please read this manual before you start using this device

Thanks for purchasing our product. Please read this instruction manual carefully and completely before using the product.

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General tips for GPS application

The following content are the instructions for GPS device application and operation. Please read this instruction manual carefully and completely before using the product.

Each GPS device requires stable satellite signals for GPS positioning. Hence, it is important to acquired satellite signals before the use of the GPS device. Kindly take note that the GPS device **will not be able to receive any signals** in an enclosed area such as in a house, carpark surrounded by big buildings, or under overhead bridges.

Time taken to acquire GPS positioning will be extended during the case of driving. Please search the positioning signal by stopping your car for a better and safer effect.

While charging the device, please only use the travel charger or car charger equipped by the manufacturer in its original package. Other chargers may cause damage to this device, and this damage is not covered by our warranty.

Features:

- 5.0inch LCD TFT display with touch screen for control and input
- Professional portable navigation system, UI design for mobile application
- Most popular Windows OS CE 6.0, World class CPU
- MicroSD card (Not included in the package) of extensible capacity for mapping data, MP4 video, MP3 music, Photo, and Personal files
- Built-in high sensitive GPS receiving module and antenna, Faster GPS signal receiving and more accurate positioning
- Prompt and accurate positioning applicable for GPS data collection, e.g. Area measuring
- Prompt response for both cold and warm start; Re-capture of GPS signal just in 1 second on average, Accuracy of positioning: no more than 10 meters; Accuracy of timing: no more than 1 microsecond
- Comes integrated with a 1.0 megapixel resolution built-in HD Camera
- On board AV (Audio Video) functions which allows direct input of Reverse and Car Forward Camera (DVR)
- FM transmitter: Designed for use in a car with car stereo is not controlled with volume of the device.
- Embedded Organizer/Calendar: Personalized touch panel handwriting control, record and plan personal schedule on the calendar
- Multimedia Entertainment: Supports Flash playback, MP3 music, MP4 video, Photo Viewing
- Scientific Calculation: Embedded Calculator
- Personalized Function Settings: Language Selection, Backlight Brightness Adjustment; Power Management, Coordination Calibration.
- Running multiples applications in the background: This feature allows other applications, like music, e-Book, except for flash, to run in the background during navigation mode.

To activate programs during Navigation mode: During Navigation Mode, Simply press on the ON/OFF button and activate preferred applications.

To return back to Navigation mode: Press Return button on the device then press on the Navigation icon to switch back to GPS application.

Warnings:

- Please install the device in a right (appropriate position) way to avoid driver's sight and airbag to be hindered. Marbella GPS will not be liable or hold any responsibility if any property or loss caused by mistakes of mounting or installing of the device.
- Please not put on earphone and operate the device when you drive to ensure your safety.
- Please consult with airline crew for application of the device if you want to use it during flight.
- Please keep the device far away from strong magnetic field which may cause damage or malfunction to the device.
- Please refrain the device from being dropped, shocked or scratched on or by hard objects to avoid possible damages (scratches on the device face, loose contact of the battery, data loss or other hardware part broken) to the device.
- Please not use earphone with a continuous and large volume for long time, set the volume at a moderate loudness and use it not for a long time to avoid possible damage to your ear audibility.
- Please not use chemical solution or cleaner to clean the device to avoid possible damage to the paint and polish of its surface.
- When the device is used as a mobile storage device, please follow right procedures of file management operation to copy or transfer files. The warranty does not cover any mistake, or damage, or loss of files
- Do keep a backup copy of your personal files in the device into your PC or laptop in time
- It is prohibited to use higher voltage power supply, to bent or squeeze the power cord with big force so as to avoid possible damage and overheat resulting in fire
- Never use wet hands to pull out or plug in the power plug to avoid possible electric shock
- Not use the device in an environment over 60°C, or below -10°C, and with high humidity as well
- The content of this manual is subject to definition, or interpretation, or modification from time to time for improvement on features and function without prior notice.

Illustrations on screen display:

System UI



In this interface, touch the screen or the small icon on the bottom to enter the specific function. To view next page, click on the arrow on the right bottom. There will be an animation effect when turning the page.

Secondary UI



In this interface, click the displayed icons on the screen to enter the relevant functions. To view next page, click on the arrow on the right.

Battery Status Icon:



Full=====>Drained

When the battery is at low power level, please charge it immediately to ensure the device work normally.

Charging:

Warnings for charging:

1. A new battery may be empty and not charged before you get the device.
2. In normal charging with AC charger (Not included in the package), please make sure to charge it for 2 – 2.5 hours to get it fully charged.

Note: A new battery will reach its best performance after number cycles of charging and discharging.
If the device is not used for long time, it is better to charge it to full capacity every 2 or 3 months during storage.

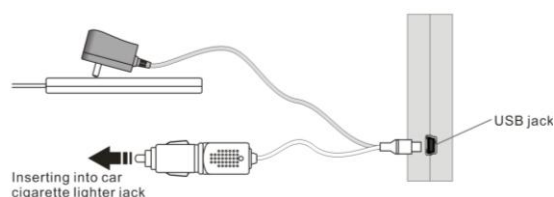
Charger Application:

AC Charger (Not included in the package):

Take out the AC charger, plug it into the wall outlet with AC 220V(100V~240V), then plug in the AC jack into the device AC-in jack.(see the illustration below).

Car Lighter Charger:

Please insert the car charger into car cigarette lighter jack, then plug into the USB jack(see the illustration below).



Note: When you use car charger, please start car engine first, then connect it to the device to avoid possible damage to the device due to overloaded pulse current during ignition. Please pull it out when you stop the engine, and plug it in again after next ignition.




Power On/Off the device

In power off status, slide the power switch to "ON" position to turn on the device, then the OSD will be displayed on screen.

Sleeping & Power –off

In power-on mode, press the power button on the device for 3-5 seconds then the sleeping mode or confirmation for power-off screen will display as follows:



- In this UI click the button  will be in sleeping mode
- Click the button  will power off
- Click the button  to exit the UI and back to normal operation.

Waking -up from the sleeping

When in sleeping mode, a short press on the power-on button of the device will wake up the system.

Note: When in sleeping mode, all the procedure in operation will pause but will back to normal status after waking up.



DVR



This slot is only applicable for DVR Recording:
Slot in the Micro SD card from the top












- 3 Modes Selection: Click on icon to toggle between 3 modes:
Video Recording mode / Taking Photo mode / Playback mode
- Click on icon to confirm setting
- For advance setting, click on icon

- For scrolling page by page, click on the left  and right  icons
- To exit DVR, click on 



Note: For use of DVR, please only use the Micro SD card slot positioned on top. The Micro SD card slot located on the left is not designed for recording. It is compulsory to insert a Micro SD card before any adjustment can be made on the settings.








Recording Videos:

- Insert the Micro SD card into Micro SD card slot  positioned on the top of the device.
- Turn on uNav GPS Navigator.
- Click on  icon
- Click on  icon and select the Video Recording  mode.
- Click on  and  icon to zoom if required
- Tap on the screen once to return to the initial display.
- Click on  icon to start and stop recording.
- To playback, click on the  icon and choose the playback mode.
- For advance setting, click on  icon


Note: Please take note that Micro SD card is an optional accessory and it does not include in the package. Marbella recommends Class 6 and above 8GB MicroSD card. uNav can supports up to maximum 16GB SD card. uNav will automatically overwrite the old data when memory is full. Additionally, it also supports video coverage with an interval between time frames of 6 minutes.

Taking Photos

- Insert the Micro SD card into Micro SD card slot  positioned on the top of the device.
- Turn on uNav GPS Navigator.
- Click on  icon

- Click on  icon and select the Taking Photo  mode
- Click on  and  icon to zoom if required
- Click on  icon to take pictures.
- To playback, click on the  icon and choose the playback mode.
- For advance setting, click on  icon

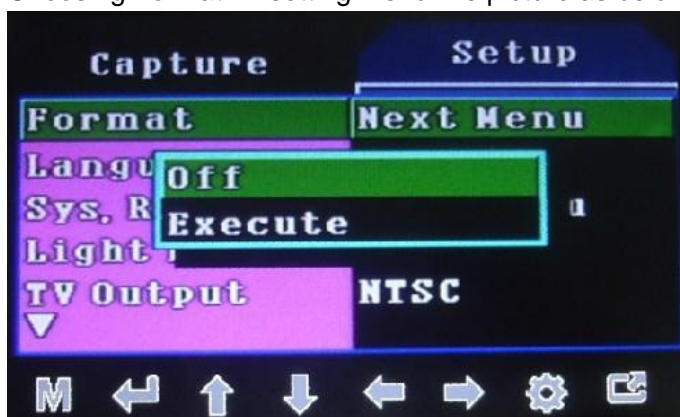
For Advance Setting/ Camera Settings

Click  to come into setting menu will display as follows



Format

Choosing "format" in setting menu like picture as below:



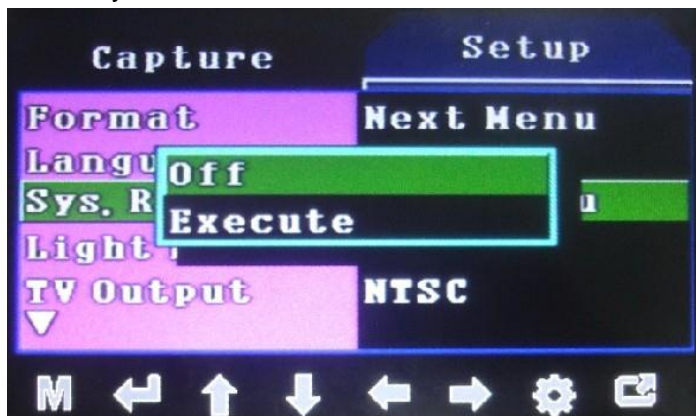
Language

Choosing "language" in setting menu like picture as below:



Re-set system

Re-set system to resume like below:




Version

Choose "version" come into version information like below:






FLASH Playback













On system main menu, click  icon, to get into Flash playing mode, a list of file selections UI will be shown on screen as shown below:



On this UI, click  button to search Flash files not in selected folder. Click  button to close this window and exit flash playback mode. Double click, or select then click  button to open specific file.



Control buttons in playing mode:

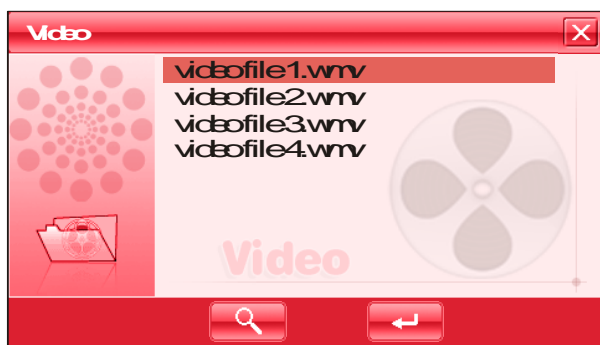
-  :Play, During Pause or Stop mode, press this button to play;
-  :Pause, During Play mode, pressing this button to pause;
-  :Stop, During Play mode, pressing this button to stop;
-  :Fast Forward, During Play mode, pressing this button to get fast forward once;
-  :Fast Rewind, During Play mode, pressing this button to fast retreat once;
-  :Full Screen, pressing this button for full screen play;
-  :Return, pressing this button to return back to system main menu from playing mode;
-  :Sound Settings, Click the button to mute or unmute sound  / 




Note: In full screen, tool bar will be hidden at screen bottom, you may retrieve it back by tapping on the screen.

Video Playback

This following are the supported video formats: AVI, MPEG, MPG, ASX, DAT,ASF and WMV.








On system main menu, click  icon to enter into Video Playback mode, a list of file selections UI will be shown on screen as shown below:



On this UI, click  button to search video files not in selected folder. Click  button to close and exit from Video Playback application. Double click or select and click  button to open specific file.



UI and button definition:

- | | |
|---|---|
|  Play |  Next |
|  Pause |  Previous |
|  Stop |  Full screen display |
|  Close | |



Play Progression, drag to a point to start play




Volume tune, click anterior  to set into mute status, click it again to resume




In full screen display, the tool bar at screen bottom will be hidden, you can slightly tap on screen to get it. It will take a few minutes to search files when video play mode starts if this application has not been used for a long time.

RMVB Player

The Amazing Marbella uNav also supported formats: RM and RMVB files.









In the system UI, click the icon  to entry the function of Media player, a list of file selections UI will be shown on screen as shown below:






On this UI, click  button to search video files not in selected folder. Click  to exit the rmvb player. Double click or select and click  button to open specific file.



UI and button definition:


- | | |
|---|--|
|  Play |  Next |
|  Pause |  Previous |
|  Stop |  Full screen display |
|  Close |  :Full screen Display (Stretch to the whole screen) |

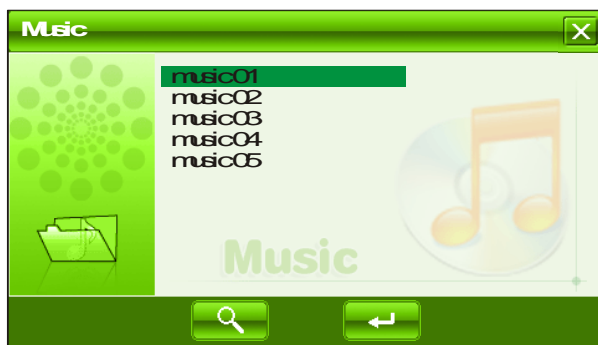
 Play Progression, drag to a point to start play




 Volume tune, click anterior  to set into mute status, click it again to resume

Music Playback

This following are the supported formats:MP3, WMA, WAV.

On system main menu, click  icon to play music. Screen display is shown as the illustration below:



On this UI, click  button to search music files not in selected folder. Click  to exit the music play mode. Double click or click  button to open specific file.

The music play mode is as shown below as illustration:



Button and control in Play Mode:

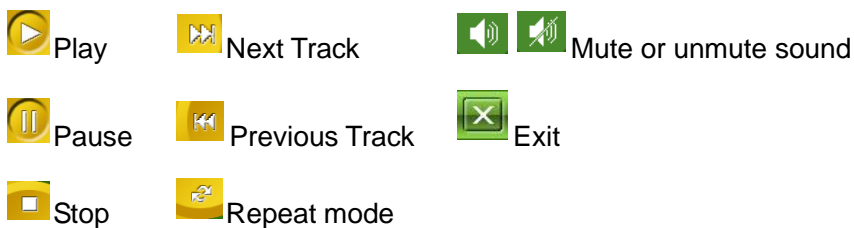






Photo Display








This is for Photo Display with format JPG can be stored into a MicroSD card (Not included in the standard

package) or internal ROM. On system main menu, click picture icon  to enter into Photo Display function. Screen display is shown as the illustration below:



On this UI, click  button to search photo files not listed in the appointed photo file folder. Click  button to close current UI and exit Photo Display function. Double click or select then click  button to open or play this file. Display shown as the right illustration:





- Click  or  button to select previous or next photos
- Click  or  button to zoom in or zoom out photo
- Click  button for full screen display. In full screen display, tap the screen again to exit full screen display
- Click  button to select display of different percentage.
- Click the button  to rotate picture

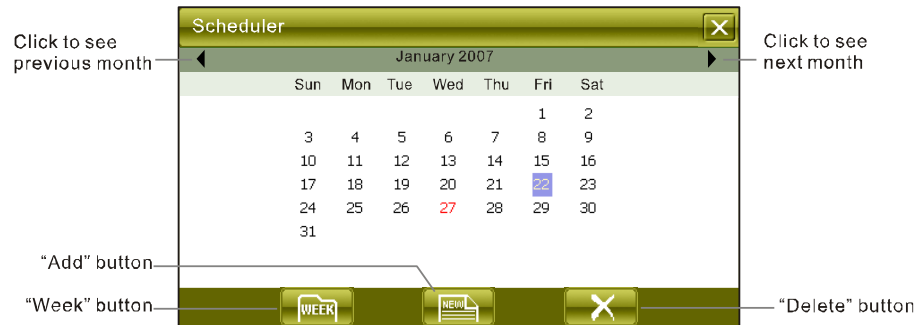
Exit Photo Display

Click the button  on upper right corner to exit.

Schedule Organizer

This is to Add, Edit, Delete, and Display the schedule in week, month, enable the user to find the scheduled

agenda conveniently. Click the tools icon  in the main page, next click on the Schedule icon  to enter the following interface shown below:



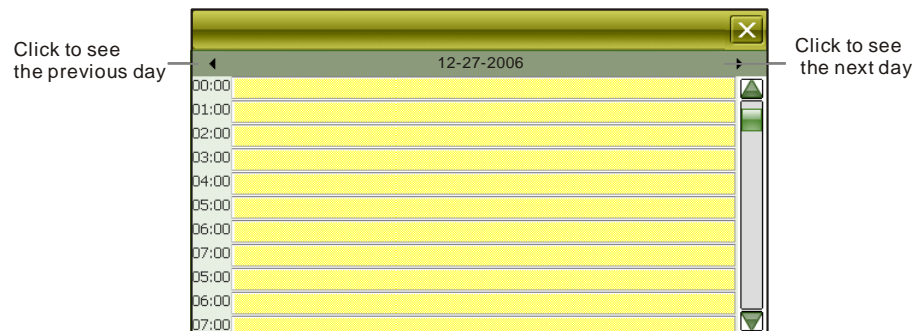
The above screen shown is display in month display mode.

- Click the specific date to enter into day display mode
- Click 'Week' to enter into week display mode.

Search by Date

Select and click a date on the screen to enter into Date display mode.

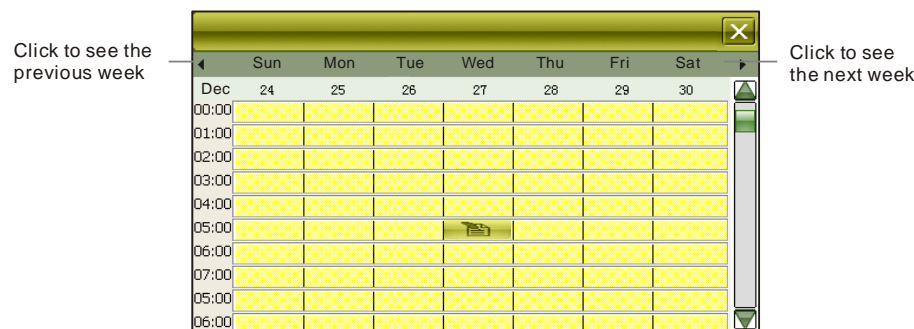
Screen display is shown as in the illustration below:




- Click time tag on date screen to check and revise a stored schedule or agenda.
- If the time tag is blank, then click it to set up a new schedule or agenda.

Search by Week

Click "Week" button to enter into week display mode. Screen display is shown as in the illustration below:



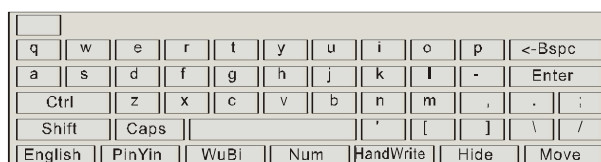
As shown in the illustration above, there will be an  icon if an agenda is set on the date and timing.

- Click  on screen to check or edit this agenda
- Click the corresponding spot of date and time on which you want to add a new agenda to set it.

Create New Schedule

In mode of Search by Month, click "Add", or click timing tag under mode of Search by Date, or click dating and timing tag under mode of Search by Week to enter into Create New Schedule UI, screen display is shown as in the illustration below:

- Click on the input field on the screen, and a soft keyboard appears as follows:

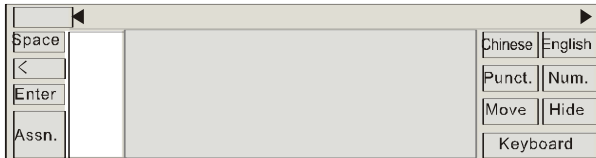


As shown in the picture above, you can choose the input method from the last button at the bottom.

- Click "Handwrite" to change to the handwriting input state

- Click "Hide" to close the small keyboard.

The handwriting input state is shown as follows:

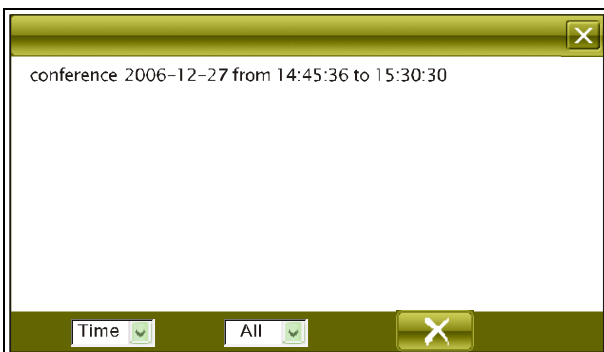




As shown in the picture, the middle empty area is the handwriting area.

- Click the button on the right side to change the input method
- Click "Hide" to close the handwriting input panel
- Click "keyboard" to return to keyboard input state.
- Input "Subject, Place, Content" you want to set; "Date, Time" can be input directly, or use adjustment buttons to set; "Priority, Type" can be selected in drag menu underneath them respectively.
- Click "Save" to save the revised schedule, then return back to mode of Search by Month.


Delete Schedule

In mode of Search by Month, click "Delete" button at bottom of the screen to enter into delete mode, all schedule saved in the system will be listed out, screen display is shown as in the illustration below:



- Click drag menu after "Time, All" to choose other list
- Select an agenda to be deleted
- Click  button, a dialogue block will pop up
- Select "OK" to delete this agenda.
- Click  button at upper right corner to exit Delete mode



Exit mode of Schedule Organizer

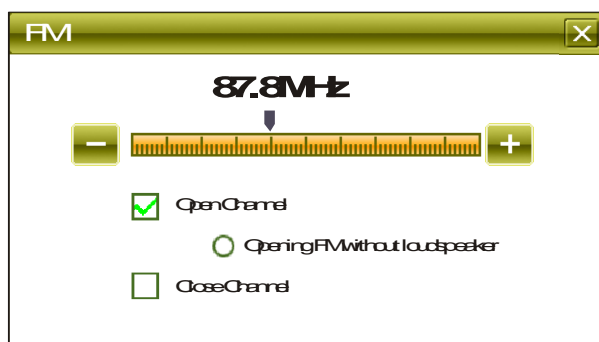
In mode of Search by Month, click "" button at upper right corner of the screen to return to main menu of system.



FM Transmitter

This feature is designed for transmitting the sound of this device via a set frequency to your car FM radio receiver. It allows sound to be transmitted to the car audio system. The volume will be determined by the car audio system set by user.



In the system UI open the Tools  icon on the main menu and click on the FM icon  to activate FM transmission. It will be illustrated like below:



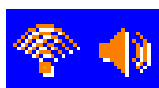
- Select Open Channel (Transmission On) or Close Channel (Transmission Off)
- Select Open Channel, you may also select device speaker on or off. It is suggested to off the device speaker when Open Channel is selected
- Press  or  button, or directly drag the slide bar to set FM transmission frequency
- Turn on car radio FM receiver and tune it to the same frequency as the transmission.
- Please do not set a radio frequency used by a local radio station. The recommended FM frequency is 92.0MHz.

Status Display:

When FM transmission is on, you may see an icon on the main menu screen:



FM transmission is ON, the device speaker is OFF



FM transmission is ON, the device speaker is ON





FM transmission is OFF, the device speaker is ON

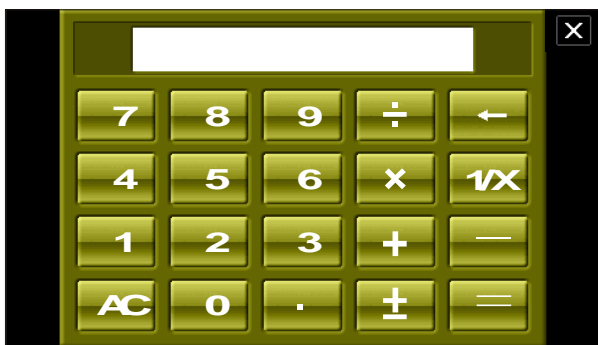
Note: Click the above icons directly in the main menu to enter into FM transmission mode directly.

Calculator

This device has two calculators: Ordinary and Scientific calculator, able to be switched at any time, a good assistant for your work and study.



In the system UI, click the Tool  icon on the main menu and click on the calculator icon . As shown in the below illustration, the calculators can be used like normal others.



Click “Scientific/Ordinary” on the right to switch between Scientific Calculator and Ordinary Calculator. The unit of calculation of the right can be taken according to actual demand.

Exit Calculator Mode

In Calculator mode, click  button at the upper right corner of the screen to exit and return to system main menu.

Notepad Function

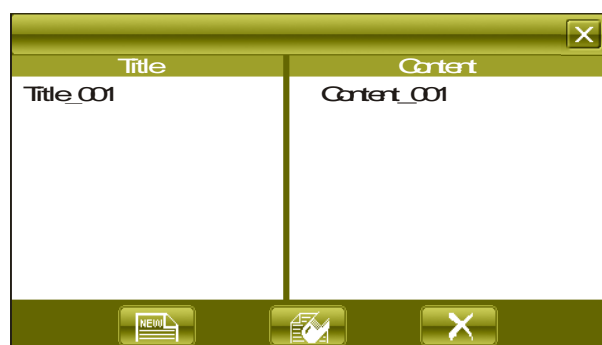
With the Notepad function, you can record some instantaneous simple information as memo. It is a highly practical function.




In the system UI, click the Tool **Tools** icon on the main menu, then find the icon and click on the Notepad

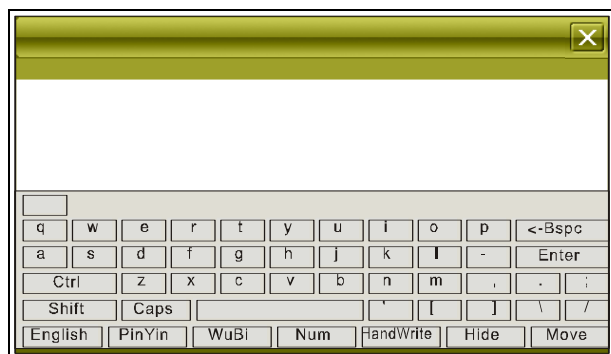


icon. As shown in the diagram below, the panel on the left shows the list of saved notes. Click on the preferred note title to display the full content on the right panel.



Creating a Note

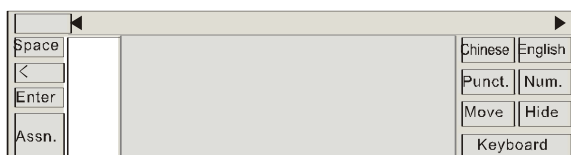
At Notepad function, click the  button to enter the state of adding notes as shown in the diagram below.




The screen shows the soft keyboard when it is in input state. As shown in the picture, you can choose the input method from the last button at the bottom.

- Click "Handwrite" to change to the handwriting input state
- Click "Hide" to close the small keyboard.



The handwriting input state is shown as follows:




As shown in the picture, the middle empty area is the handwriting area.

- Click the button on the right side to change the input method
- Click "Hide" to close the handwriting input panel
- Click "keyboard" to return to keyboard input state
- Enter the content to be saved, hide the soft keypad
- Click the  button in the lower part of the screen to save the entered content and return to the main interface of the Notepad function.

Edit/modify Notes Saved

- At Notepad function, select the note to be modified
- Click the  button in the lower part of the screen to enter the note editing state. The screen display and operation are all the same as "Creating a Note".
- After the modification, click the  button to save it, and return to previous interface of the Notepad function.


Deleting a Note

- At Notepad function, select the note to be deleted
- Click the  button in the lower part of the screen.
- The screen pops up the dialog box to confirm the deletion. Click OK to delete the note.

System Setting

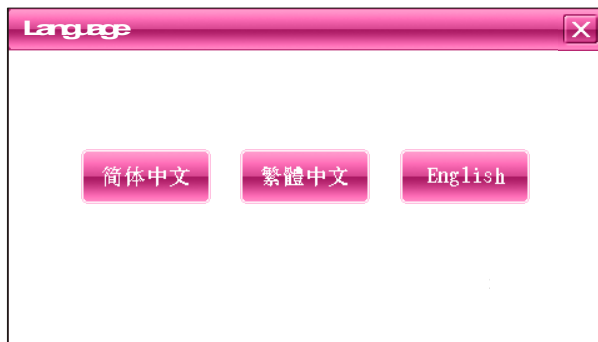
This is for system setting to change default setting of the system to your personal preference.



On system main menu, click system  icon to enter into system setting. In system setting, there 9 items for setting, click directly each item to change setting for it.

Language Setting

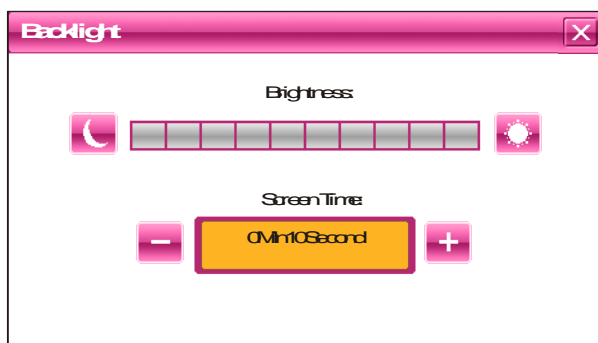
A choice of language selection is shown as the illustration below:





Click on the preferred language in this interface, the system will save the setup automatically when the setup is closed.

Backlight setting

Choose display and screen saver settings that you want your device to use.



Adjust plan brightness

Click on  or  button, or directly drag the slide bar for changing backlight brightness

Screen saver setting

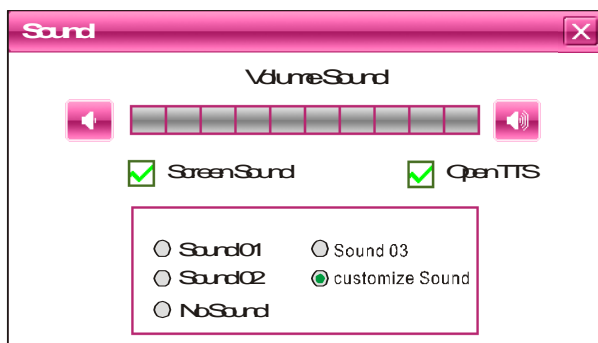
Click on  or  button to adjust the time set to activate the screen saver.

Power Management

You may set a specific time to activate the power saving mode. Device will automatically turn off at the specific time when device is not in operation. Under the dropdown list, you may select “No” for disabling this feature.



Sound Setting



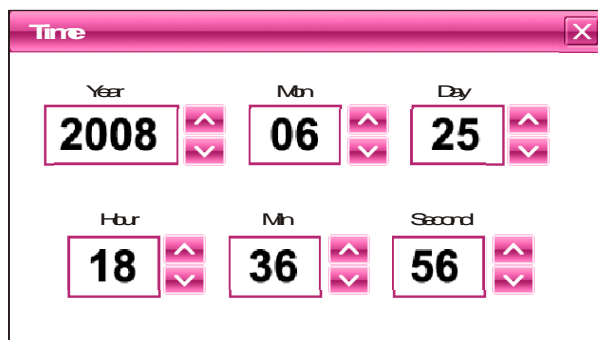
Volume Adjustment

Click on  or  button to adjust the volume

Activate Screen Sound


Click “Screen sound” in this interface to enable or disable the sound of screen operations

Time Setting



On this UI, you may click on the buttons shown in the above diagram to manually set the date and time. After setting, close the current window to save.

System Resources

This is for checking system resources. Click on the system  icon and select the preferred item on the right to check the details.

System

Version

Flash

StoreMem

SDRAM

SN

InformationList

Details

Total SDRAM

64MB

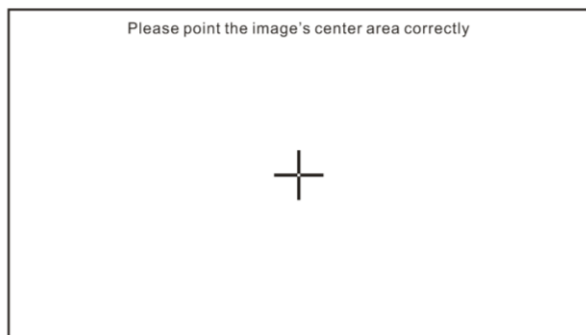
Usable SDRAM

31MB

OpenGPSRecord


Screen Re-Calibration

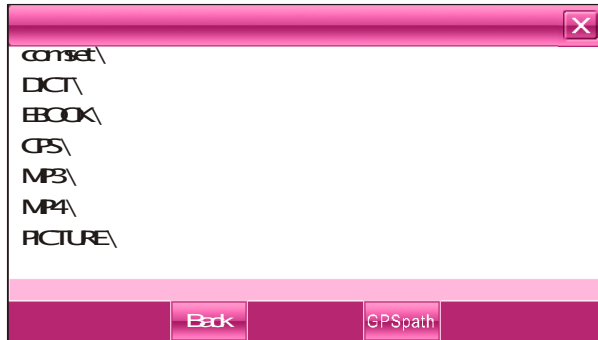
To increase the screen sensitivity, calibration is required. Click on Co.adjust  icon.



- When calibrating your touch screen be sure to use the same amount of pressure that you apply during normal use. In general, the lighter the better. This allows the screen to recognize taps consistently.
- When calibrating your touch screen hold the stylus over the calibration point until it moves to the next point. Holding it for this period will lead to greater accuracy than just tapping the spot quickly.
- When calibrating your touch screen support the screen from the back with your other hand. Try not to grasp the screen from the side with your thumb on the front.
- When calibrating your touch screen do not let anything other than the stylus accidentally touch the screen. For example, don't rest part of your hand on the screen to help steady the stylus.
- Once you've completed the stylus calibration, be sure tap on the screen twice calibration as well. This will ensure greater accuracy.


GPS Path

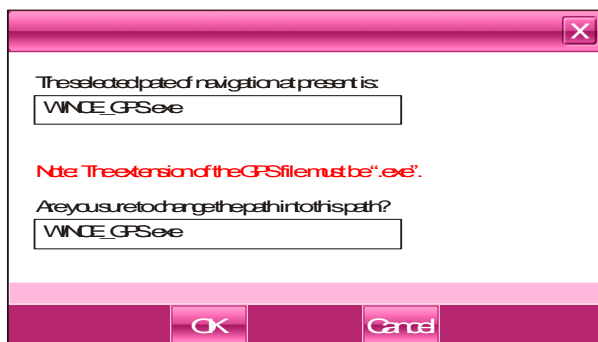
This function will help to set GPS path for your navigation. Use this feature to select your overseas maps if required. Click on update GPS path  icon.



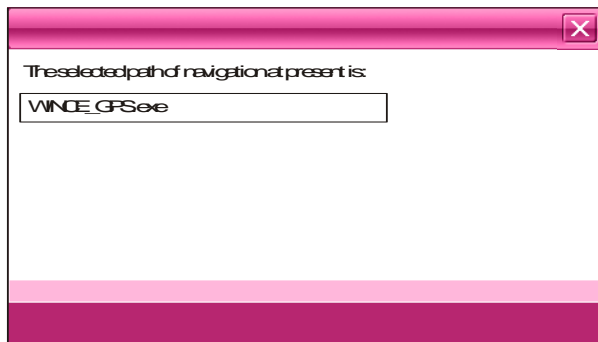
- Select SDMMC\ (For overseas map) or NAND Flash\ (For Galactio maps)
- Click a folder to open it.
- Select GPS Software

In SD card directory

- Open the file folder to find the map to be used
- Select navigation software with ".exe" extension
- Select and click  button, a dialogue frame will pop up on screen, as it shown below:




Then click "Cancel" button to abort; click "Ok" to accept.



Click  button on the upper right corner to return to File Management UI.

AV-IN

You can adjust the direction of the image displayed in the camera under AV-IN. Click on AV-IN  icon.



Under this interface you can select the items below the Effect of video directly, and then click it to exit the function.

Car-backing Rear View Function (Optional Reverse Camera)

This function is a fully automatic function. No manual operation is needed.

Equipment Installation:

All rear view camera should be installed in the professional car workshop.

The GPS device will act as a monitor. Make sure that the device is turn on when using this mode.

Once the vehicle is engaged in the reverse gear, the device will automatically switch the display image of the rear view camera. The device will resume to previous work mode automatically when vehicle is engaged back to drive or neutral gear.


Video Input Function

This device supports the video input function.

- Plug in the video cable in the AV-Input on the side of the device.
- The device will detect automatically when there are video signals, and will automatically switch the current function to the video display state.
- To de-activate this feature, unplug the video cable.

USB

You may select whether to use the device for “Mass Storage” (works like an external memory stick), or to

“ACTIVESYNC” when the USB is connected to your computer. Click on USB  icon

Pictures are shown as below:



- Click the preferred connection mode and close the window to save the chosen mode.

Game

On main menu, click  icon to enter into Game.




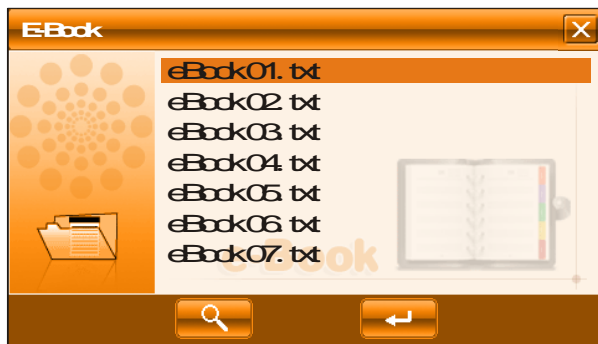
Click the specific game icons you wish to select. For details on how to play the game, see the help information that will be available after you enter the game.




Note: The games are designed exclusively for Marbella users and it is not recommended to download any 3rd party games. This might voice your device warranty.

eBook Reading


This is for eBook Reading with format .txt stored in a MicroSD card (Not inclusive in the standard package).

On system main menu, click  button to enter into eBook Reading application. Display of UI for file selection:







- Click  button to search for txt files not in selected folder
- Click  button to close this window and exit file reading mode
- Double click button, or select then click  button to open this file.


Bookmark

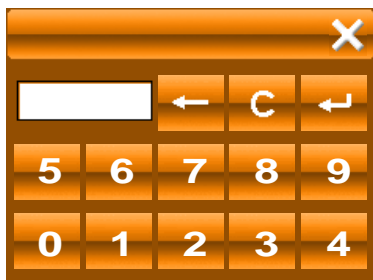
In eBook Reading mode, click right  button to enter into bookmark setting, display of dialogue block is shown as in the illustration below




- Click  button to set a bookmark for the current page.
- Click on selected bookmark to remove  this bookmark
- Click  button to jump to the bookmarked page.
- Click  button to exit bookmark setting and return back to eBook Reading mode

Set to the appointed page


This is for choosing to the appointed page when no bookmark is set. In eBook Reading mode, click right  button to enter this feature.




Enter the page number you would like to read

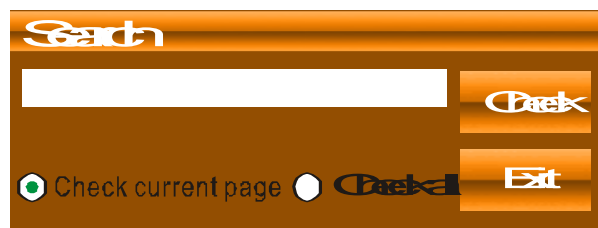
To edit the page number, click  button to backspace

Click on  button to clear input

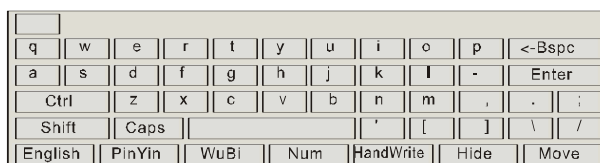
Click on  button to set the page to the selected number.

Search for preferred word or phrase in eBook

This is for searching a preferred word or phrase in the current reading article. In eBook Reading mode, click right  button on screen to exit.



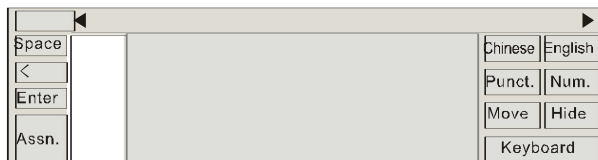
Click on the input field on the screen, and a soft keyboard appears as follows:



As shown in the picture, you can choose the input method from the last button at the bottom

- Click "Handwrite" to change to the handwriting input state
- Click "Hide" to close the small keyboard.

The handwriting input state is shown as follows:



As shown in the picture, the middle empty area is the handwriting area.

- Click the button on the right side to change the input method
- Click "Hide" to close the handwriting input panel
- Click "keyboard" to return to keyboard input state
- Enter the preferred characters
- Click "Next" to start searching.
- Click this button again to search for the next result

How to save and allocate your multimedia files in MicroSD card (not inclusive in the standard package):

Usually, the files used by the device are saved in the appointed folders to ensure the access for embedded program of the device. You may save files into other folders or under root directory of the MicroSD card. If the files are saved in the appointed folders, when opening the corresponding application, these files can be seen directly; If not in the folders, then you can not see them for the application, so that you need to click "Search" button, the system will search in all files in un-appointed folders until find it and display the result of search. For the sake of convenience, it is strongly suggested to save the files into the corresponding folders. The function and application of folders in MicroSD card is listed below:



Attention: Navigation software must be saved into GPS directory

Specifications

CPU	SiRF Atlas V 666MHz Processor
Memory	4GB
Chip	AT550
Antenna	Built-in folded antenna
Memory Card	Applicable for a Maximum up to 16GB SD card (Not inclusive in the standard package)
Screen Type	TFT Touch Screen
Screen Size	5.0"
Screen Color	65K colors
Dot Matrix Display	800 X 480
Extension Slot	MicroSD (Not inclusive in the standard package)
Battery Type	Li-polymer battery
Battery Capacity	950mAh

Trouble Shooting

No.	Fault	Possible Cause	Solutions
1	No power on	Battery drained	Please refer to the instruction of battery charging in this manual, only consider to use Marbella charger to charge our device.
2	Faulty Unit	The screen freeze or stays on the screen for long time.	Press on the Reset Button at the back of the device. If the device still doesn't respond, please kindly contact your nearest authorized Marbella service centre.
		No display on the screen, or display on screen is frozen and no button can be pressed.	
3	Error in upgrade	Software does not operate properly after upgrade.	You may download the file again from the link provided by Marbella website. If the problem persists, please kindly contact your nearest authorized Marbella service centre.
4	Charging	During battery charging, the green LED indicator of the device has no light or no charging sign displayed on the screen.	Please check if the charger is connect properly and powered.
			Charger is damaged.
			Battery is damaged or full charged.
			It is normal when the green LED is lit on but the charging sign is not on the screen at the same time during charging.