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Important Safety Instructions



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.









CAUTION

1. To reduce the risk of electric shock, do not remove the cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
2. The manufacturer should not hold responsibility for the damage caused by any substitutions and modifications of the product without authorization from the manufacturer or authorized unit.

WARNING

The device should not be exposed to dripping or splashing and no objects filled with liquids should be placed on the device.

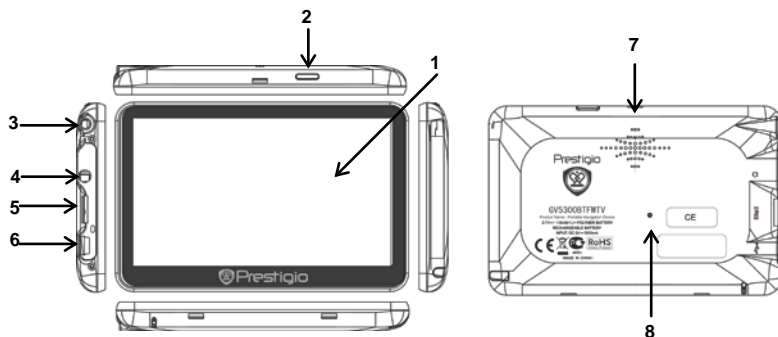
Accessories List

ITEM	NAME	QTY
	Car Charger	1
	Mounting Cradle	1
	USB Cable	1
	Touch Pen	1
	Leather Carrying Case	1
	Driver/Documentation CD	1
	User Manual	1
	Warranty Card	1

View of Main Unit

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Front and Side View



1. **LCD Touch Screen**

Tap the screen with touch pen or finger to select menu commands or to enter information.

2. **Power Button**

Press to power ON/OFF the device.

3. **Analog TV Antenna**

Receives television signals.

4. **Earphone Port**

Connect to headphones or headsets.

5. **microSD Slot**

Insert a microSD memory card for data access or memory expansion.

6. **Battery Status Indicator**

The indicator glows in bright amber color when battery is fully charged and in red color when charging.

7. **Mini-USB Port**

Connect to USB Cable for data access or battery charging

8. **Speaker**

Emits sound, voice or music.

9. **Reset Button**

Press to reboot the device.

Inserting microSD Card



- To insert a microSD card, place the connector towards the device and the card label towards the front side of the device.
- To remove a microSD card, gently press the edge of the card to release the safety lock and pull the card out of the slot.



NOTE:

Please always make sure that no application is accessing the microSD card before extraction.

Connecting to External USB Device (Charging)



- Insert the micro USB connector into the appropriate micro USB port.
- Insert the other USB connector into the USB port on PC to start charging.

Connecting to Car Charger



- Insert the micro USB connector into the appropriate micro USB port.
- Insert car charger connector into vehicle 12V accessory/cigarette socket to start charging.

**NOTE:**

Please connect the car charger to vehicle 12V accessory/cigarette socket after the vehicle engine is started to protect the device from sudden surges in current.

About Rechargeable Battery

The device is equipped with a built-in rechargeable battery. Please fully charge the battery (for at least 4 hours) before initial use. The battery status indicator glows in red colour when charging and turns bright green colour when charging is complete. Charging time is approximately 4 hours.

Working conditions and precautions for the rechargeable battery

- Device with new battery should be fully charged before initial use.
- It is not necessary to start charging the device before the battery is fully discharged.

Using Mounting Cradle

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Device Mounting Procedures

The device can be steadily mounted on vehicle dashboard or windshield with the mounting cradle included. Please follow the procedures below to install the mounting cradle:

1. Select an appropriate location on windshield or dashboard where the device and the mounting cradle will not obstruct the driver's field of vision.
2. Please also make sure that the device has a clear view to the sky to acquire best GPS signal.



- Place the device on the bracket with the bottom positioned on the appropriate socket as illustrated by **Arrow 1**.
- Push on the top edge as illustrated by **Arrow 2** to securely install the device in the cradle.
- Lift the suction cup lever and press the suction cup at desired location.
- Press down the suction cup lever as illustrated by **Arrow 3** to secure the mounting cradle on the surface.
- Rotate the knob to adjust device to the desired viewing angle.

To Dismount the Device

1. Push the tab on top of the mounting cradle to release the device.
2. Lift the suction cup lever to easily remove the suction cup from windshield or dashboard.

Getting Started

EN



1. Press and hold **Power Button** to turn on device.
2. Shortly after the greeting screen is shown, the main menu will be displayed.
3. Tap the corresponding buttons with touch pen included to navigate various functions.
4. Press and hold **Power Button** to turn off the device or to allow the device to enter sleep mode.

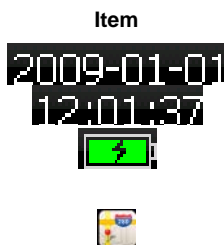
Main Menu

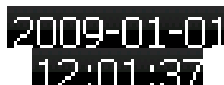




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Shortly after the welcome screen is shown, main menu will be displayed automatically. The main menu consists of the following sections: Navigation, Bluetooth, Analog TV, Player, FM Radio, Tools, System Settings, Wallpaper, Games, and Screensaver.

In addition to the main menu icons the screen will display supplementary icons, detailed as follows:



Item	Description
	Displays date/time.
	Indicates remaining battery capacity.
	Tap on   to select functions.

**NOTE:**







Do NOT store audio files in the built-in flash storage for it may result in system malfunction..

Reminders Regarding Music Playback Function

- Audio files should be stored on the micro SD card.
- The device supports WMA9, MP3 and WAV music formats.

Playing Music

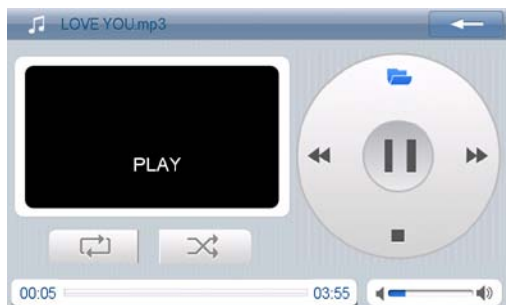







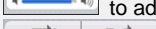


- Insert SD card with audio files loaded before powering on the device.
- Tap on  to enter **Player** function, then tap on  to enter audio files list.
- Tap on  to exit the current function.
- Tap on  to exit the current function.
- Tap on  to turn to previous/next page.
- Tap on  to return to previous file.
- Tap on the desired audio file to enter music playback.

Music Player

EN

During Music Playback



- Tap on  to return to previous/skip to next song.
- Tap on  to play/pause playback.
- Tap on  to stop playback.
- Tap on  to enter audio files list.
- Tap on  to adjust volume.
- Tap on  to select **Repeat/Random** playback.
- Tap on and drag the bar slider  to select desired starting time for playback.
- Tap on  to exit the **Music** mode.



NOTE:

Do NOT store video files in the built-in flash storage for it may result in system malfunction.

Reminders Regarding Video Playback Function

- Video files should be stored on the micro SD card.
- The device supports WMV, ASF, and AVI video formats.

Playing Video



- Insert SD card with video files loaded before powering on the device.
- Tap on to enter **Player** function, and then tap on to enter **Video** File List.
- Tap on to exit the current function.
- Tap on to return to previous/ skip to next page.
- Tap on to exit the current function.
- Tap on to turn to previous/next page.
- Tap on to turn to previous file.
- Tap on the desired video file to enter video playback.

Video Player

EN

During Video Playback












- Tap on  to play/pause playback.
- Tap on  to stop playback.
- Tap on  for fast preview.
- Tap on  to turn to video files list.
- Tap on  to adjust volume.
- Tap on   to select repeat/random playback.
- Tap on and drag the bar slider  to select desired starting time for playback.
- Tap on the screen to enter full screen playback. Double tap on the screen to return to normal screen playback.
- Tap on  to exit the **Video** mode.

Photo Viewer



NOTE:

Do NOT store photo files in the built-in flash storage for it may result in system malfunction.

Reminders Regarding Photo Viewing Function

- High resolution image files may considerably slow down device reading speed. Image files with resolution 640 X 480 or lower are recommended.
- Image files should be stored on the micro SD card.
- The device supports JPG, GIF, BMP and PNG photo formats.

Viewing Photo











- Insert SD card with image files loaded before powering on the device.
- Tap on to enter **Player** function, and then tap on to enter **Photo List**.
- Tap on to exit the current function.
- Tap on to turn to previous/next page.
- Tap on to turn to previous file.
- Tap on to view the desired photo. Double tap the photo to exit.
- Tap on the desired photo file to enter photo playback.

Photo Viewer

EN

During Photo Viewing



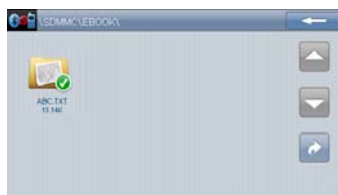
- Tap on  to exit the photo mode.
- Tap on  to zoom image out / in.
- Tap on  to rotate image 90° counter-clockwise.
- Tap on  to display in full-screen mode. Double tap the screen to resume.
- Tap on  to enter photo list.
- Tap on  to return to previous / skip to next image file.
- Tap on  to turn to photo files list.
- Tap on  to exit the **Photo** mode.






**NOTE:**

Do NOT store eBook files in the built-in flash storage for it may result in system malfunction.

Reminders Regarding E-book Function

- E-book files should be stored on the micro SD card.
- The device supports the format of .TXT only.

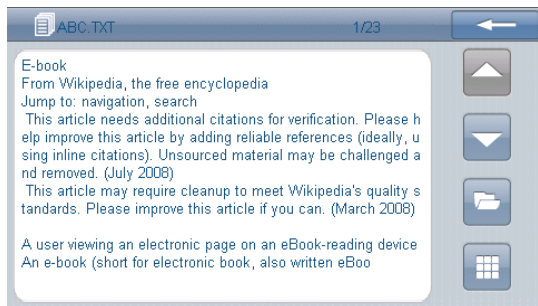
Reading Text





- Insert SD card with text files loaded before powering on the device.
- Tap on  to enter **Player** function, and then tap on  to enter **Ebook List**.
- Tap on  to exit the current function.
- Tap on  to turn to previous/next page.
- Tap on  to turn to page jump submenu.

E-book Reader





EN

During Text Playback



- Tap on the desired file to enter reading.
- Tap on  to exit the current function.
- Tap on  to turn to previous/next page.
- Tap on  to enter **Ebook** list.
- Tap on  to enter page jump submenu detailed as follows.



- Tap on the digital button to input character(s) and press  to skip to desired page. Press / to backspace/clear.
- Tap on  to exit the page jump submenu.

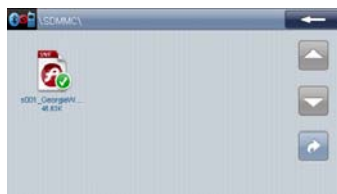
**NOTE:**

Do NOT store adobe flash files in the built-in flash storage for it may result in system malfunction.

Reminders Regarding Flash Player function

- Adobe flash files should be stored on the micro SD card.
- The device supports the format of SWF.

Playing Flash

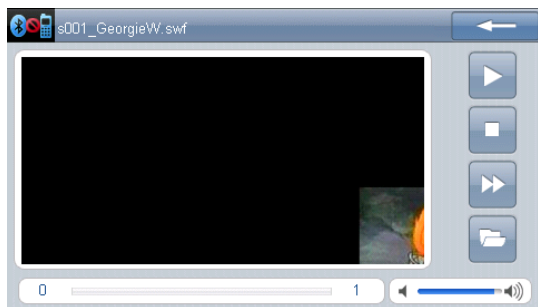









- Insert SD card with flash files loaded before powering on the device.
- Tap on to enter **Player** function, and then tap on to enter adobe **Flash files** List.
- Tap on to exit the current function.
- Tap on / to turn to previous/next page.
- Tap on to turn to the previous file.

Flash Player

EN

During Flash Playback







- Tap on the desired file to enter flash playback.
- Tap on  to play/pause playback.
- Tap on  to stop playback.
- Tap on  for fast preview.
- Tap on  to adjust volume.
- Tap and drag the bar slider  to select desired starting time for playback.
- Tap on the screen to enter full screen playback. Double tap on the screen to return to normal screen playback.
- Tap on  to enter flash files list.
- Tap on  to exit the **Flash** mode.

FM Radio



EN



1. Tap on  to enter **FM** function.
2. Tap on **FM** to enable the FM function.
3. Tap on / to tune FM frequency down/up.
4. Tap on  to exit.

Toolbox Menu









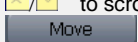








- Tap on  to enter the **Toolbox** menu.
- Tap on  to exit the current function.

1. Note


- Tap on  to enter the **Note** mode detailed as follows.



- Tap on  to exit **Note** function.
- Tap on  /  to turn to previous/next note.
- Tap on  to create a new note.
- Tap on  /  to store/delete the desired note.
- Tap on  /  to scroll up/down.
- Tap on  to move the keypad to the top of the screen.
- Tap on  to input space(s).
- Tap on  to hide the keypad.
- Tap on  /  to select the desired punctuation.
- Tap on  to delete a letter.
- Tap on  to move to a new line.




2. Calculator



- Tap on  to access the **Calculator** function.
- Tap on  to exit the current function.

3. Calendar





- Tap on  to access the **Calendar** function.
- Tap on  adjust the value.
- Tap on  to exit the current function.

System Settings

EN



- Tap on  to enter **System** function.
- Tap on  to exit.

Volume

Adjust sound volume.

Power

Check the remaining battery capacity.

Backlight

Adjust the brightness of touch screen.

DateTime

Set up Time Zone/Date/Time.

Language

Select desired language.

Sys Info.










Calibrate the screen when position deviation occurs; Restore all system settings to factory default values; Reset the GPS device.

Wallpaper

EN

Tap on  to enter **Wallpaper** function detailed as follows.



- Tap on  to exit.
- Tap on  /  to turn to previous/next page.
- Tap on  to enter picture folder.
- Tap on  to delete wallpaper.
- Tap on  to confirm the option.
- Tap on  to turn to the previous file.
- Tap on  to add the desired picture to wallpaper file.
- Tap on  to set display mode.

Games

**NOTE:**



Do NOT store game files in the built-in flash storage for it may result in system malfunction.

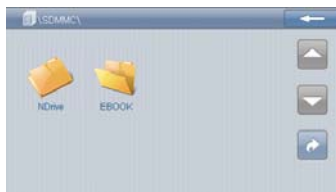
Reminder Regarding Game Function











Game files should be stored on the micro SD card.

Playing Game



- Insert SD card with game files loaded before powering on the device.
- Tap on  to enter the game mode.
- Tap on  to exit the current function.

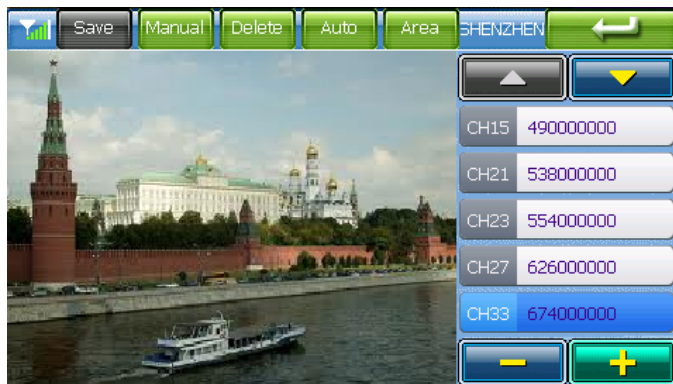












- Insert SD card with pictures files loaded before powering on the device.
- Tap on  to enter the **Screensaver** mode.
- Tap on  to exit.
- Tap on  to turn to previous/next page.
- Tap on  to turn to the previous file.
- Tap on  to enter picture interface.
- Tap on  to exit.
- Tap on  to enable/disable the screensaver function.
- Tap on  to set screensaver.
- Tap on  to turn to the previous file folder.
- Tap on  to turn to previous/next page.
- Tap on  to confirm the option.

Analog TV

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






Tap on  to enter **Analog TV** mode detailed as follows.



- Tap on  to store the current TV channel.
- Tap on  /  to manually/automatically search for a TV channel. Search result is displayed in the list.
- Tap on  to delete the desired channel.
- Tap on  to select the region.
- Tap on  /  to turn to previous/next item.
- Tap on  /  to adjust volume.
- Tap on  to exit the **Analog TV** mode.

Bluetooth Function



















1. Tap on  on the main menu to start using Bluetooth function.
2. The link status is shown at the top left corner of the interface.
3. Tap on  to exit the current function.
4. Tap on  in the **Bluetooth** interface to enter **Attribute** function, which allows to modify the PIN code.
5. Tap on  to enable/disable the option.
6. Tap on  to reset a new PIN code.
7. Tap on  to backspace.
8. Tap on  to confirm the setting.
9. Tap on  in **Bluetooth** interface to start pairing with mobile phone device with GPRS function.
10. Please make sure the Bluetooth function on the mobile phone is detectable by other devices.

Bluetooth Function

EN









11. Tap on  in **Bluetooth** interface to enter the **Phone Keyboard**.
12. Tap on the numerical buttons and tap on    to start **Dialing**, **Backspace**, and to **Cancel** the dialing.
13. Calling number will be displayed upon the **Incoming Call**.
14. Tap on  to adjust the volume.
15. Tap on   to answer/hang up the **Incoming Call**.
16. Tap on  on **Bluetooth** interface to enter **Call Record**.
17. Tap on    to view **Dialed Call** list, **Received Call** list, and **Missed Call** list. Tap on  to start dialing.
18. Tap on   to turn pages.
19. To delete a desired phone number on the list, select the number and tap on . Tap on  to delete all numbers on the list.

Bluetooth Function

EN



20. Tap on  in **Bluetooth** interface to enter **Paired Device** records function.
21. Tap on / to turn pages.
22. Select mobile phone name from **Paired Device** list and tap on  to re-connect from previously connected mobile phone.
23. Tap on  to disconnect the PND (Personal Navigation Device) from the mobile phone.
24. Tap on  **All** to delete all mobile phone names from the list.



No.	Name	Function
1	Compass	Press the compass loon to edit map rotation mode, map view and day/night mode.
2	Sound	Press this button to turn on/off voice and sound effects.
3	Next maneuver	Next maneuver on the way and distance up to it. Press this Icon to open route options menu.
4	GPS-cursor	If GPS connection is established, displays your current location.
5	Information panels	Displays time until the end of the trip, total route length, and arrival time.
6	Route	Route you are currently navigating displays as a wide blue line.

Program Interface

EN

No.	Name	Function
7	Speedcam window	When you approach a speed camera with visual warnings being activated the window will appear In upper right corner at the screen. This window shows you permitted speed and distance left. Press the window to turn On/Off speed exceeding sound warnings.
8	Search	Press this button to enter the search menu and to find specific address or object (you can find more Info about Search In ~Functionality~ section)
9	Information panel	Shows street name you are currently moving on. Available only if GPS or GLONASS connection is established. If there is no street name, the direction will be shown.
10	MENU	Press to enter the Main Menu.
11	Scale	Map current scale.
12	Zoom Out	Decrease map scale.
13	Zoom In	Increase map scale.
14	Autoscale	If you zoom In/out with ~Autozoom~ function activated, this function will deactivate for a period according to settings. Press this button to activate ~Autozoom~ function manually.
15	Rerum to current location	You can see the green arrow at the top of the screen if the map was moved relative to your position. Press it to return view to your current location.

No.	Name	Function
16	Speedcam window	When you approach a speed camera with visual warnings being activated the window will appear In upper right corner at the screen. This window shows you permitted speed and distance left. Press the window to turn On/Off speed exceeding sound warnings.
17	Speed	Current speed. Available only with GPS connection established.
18	Information panel	Shows street name you are currently moving on. Available only if GPS or GLONASS connection is established. If there is no street name, the direction will be shown.
19	Waypoint	Waypoints are manually created by the user and display with red flags on a map.
20	GPS	GPS connection button. Green icon - connection enabled, white icon – function disabled. Green icon also has a dot at different color: red - no connection, yellow - poor connection, green - connection established.

Program Interface



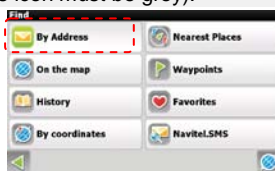
No.	Name	Function
21	Track record	Track record. Green icon - track record enabled, white icon function disabled.
22	Mark on map	Touch the screen with a stylus to set a mark. You can save this mark as a way point add it to the route or see object's characteristics the mark was set on.
23	Object of interest	Different objects on map (traffic lights, metro stations, petrol stations etc.).
24	Button panel	Button panel for easy access to object properties and performing actions to them on map – adding waypoints and routes. The buttons change depending on object selected or route status.
25	"Hide"	Pressing this button hides the button panel.
26	Map angle	By pressing the Up/Down buttons you can regulate the map incline.
27	Battery	This icon displays the remaining battery capacity. Pressing this button displays information about the remaining percentage of battery and free memory in MB.

Route to the object from search

To create a route to the object, which address you know, press the «Find» button at the left bottom of the screen(1). Select the «By Address» menu(2). Press the city select button(3) and enter its name(4). To minimize keyboard press the icon at the right top of the screen. Select the needed city(5). Similarly select street(5) and building(6). After you select building, it will be shown on the map(7). Press the «Go to» button to create a route to it. When the route will be created, it will be shown on the map. You can travel along it(9) or start simulation by pressing the maneuver button (this function is available if GPS receiver is turned off only - it's icon must be grey).



1



2



3



4



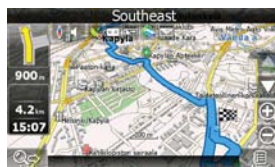
5



6



7



8



9

Autorouting

Route to the selected mark on the map

You can set a route to any mark on the map. This mark will be the end point of your route while the start will be in your current location. To create a route, create a mark by pressing a map in the necessary place[1]. Then press the «Cursor» and the “Go to” button In the appeared panel(2). The route is created[3].



1



2



3

Route from one user point on map to other

If you want to create a route from one mark on map to another, you should do the following: create a mark on map[1], set this button as a start route point by pressing “Cursor” - «Start». If you didn't turn off your GPS receiver, the system will ask you to do it[3]. The start point will be marked by green flag[4]. Then find the end route point. tap on map and press “Cursor” · “Go to”[5]. The route will be created from one point to another.



1



2



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5



6

Troubleshooting

Take the steps described in the tables below to solve simple problems before contacting customer service centers.



NOTE:

Immediately turn off the device and disconnect the power adaptor if the device is not working properly. Never try to repair the unit without authorized personnel for it may damage the unit.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Users cannot turn on the unit.	The adaptor is not connected well.	Connect the adaptor correctly.
	The built-in rechargeable battery is weak.	Use the adaptor to supply power or charge the battery.
There is no sound.	The volume may be turned down or mute.	Turn up the volume or turn on the sound output.
There is no picture.	The brightness may be turned down.	Adjust the brightness of the LCD.
The unit cannot receive satellite signals or cannot orient.	<div> <div>The unit work may be obstructed by buildings or metal constructions.</div> <div>Make sure to use the unit outdoors.</div> </div>	

Troubleshooting

EN

PROBLEM

Irregularity or instability in signal receiving.

POSSIBLE CAUSE

The built-in rechargeable battery is weak.

The unit may be obstructed by material, such as heat insulation paper.

POSSIBLE SOLUTION

Use the adaptor to supply power or charge the battery.

Remove the material.

To establish connection with PC for data access and synchronization, please execute setup file included in the Driver/Documentation CD or download the file from Microsoft website to install:

Microsoft Active Sync® software for operating system **Microsoft XP or earlier versions**

(<http://www.microsoft.com/windowsmobile/en-us/downloads/microsoft/activesync-download.msp>)

and/or

Microsoft Mobile Device Center® software for operating system **Microsoft Vista**

(<http://www.microsoft.com/windowsmobile/en-us/downloads/microsoft/device-center-download.msp>).

Please refer to the Microsoft website for more detailed instructions.