CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN!
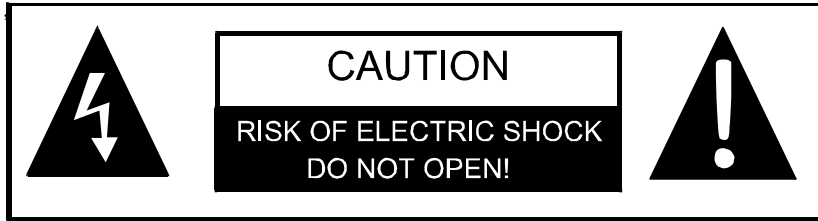
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USE-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric to persons.

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.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OF MOISTURE.

POWER SUPPLY:
Connect the supplied adapter to the side of the unit in the slot marked "DC 5V IN" Plug the two-prong end of the power cord to an AC100-240V outlet. If you have difficulty inserting the plug, turn it over and reinsert it. If the unit will not the used for a long time, disconnect the plug from the outlet.

NOTE:
Before plugging the power cord into an AC outlet, make sure that all the connections have been made.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
Refer to service manual for servicing instructions. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

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

Important Safety Instructions

NOTES

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a damp cloth.
7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warning

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

The unit is designed to provide you with route suggestions. It does not reflect road closures or road conditions, traffic congestion, weather conditions, or other factors that may affect safety or timing while driving.

Use the unit only as a navigational aid. Do not attempt to use the unit for any purpose requiring precise measurement of direction, distance, location, or topography. This product should not be used to determine ground proximity for aircraft navigation.

The images in this manual are only for reference and they may be different from the actual ones.

Accessories

ITEM	NAME	QTY
	Power Adaptor	1
	Car Adaptor	1
	Mounting Bracket	1
	Mounting cradle	1
	Touch Pen	1
	USB	1
	Disc	1

NOTE

Accessories and their parts numbers are subject to modification without prior notice due to improvements.

Contents

View of Main Unit

Front View

1. **Charge Indicator**
    When charging the battery, it is red. When the battery is fully charged, it turns green.
2. **POWER button Speaker**
    Press the power button to enter or exit the standby mode.
3. **Microphone Hole**
4. **LCD Touch Screen**

Side View

1.	**Card Port**
	Insert the SD card into the port.
2.	**USB Port**
	Used to connect to the USB device.

1.	**Volume Control**
	Used to adjust the volume of the headphone and speaker.
2.	**Headphone Jack**
3.	**DC 5V Input Jack**
	Used to connect to the supplied power adaptor or car adapter.

Rear View
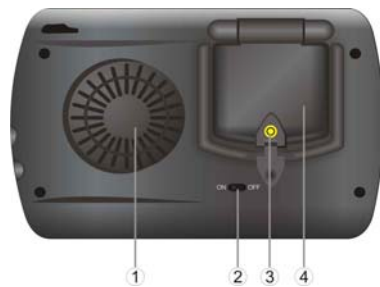
1. Speaker

2. ON/OFF Switch
  Used to switch power on or off.

3. External GPS Antenna Jack
  Connected to the external antenna (optional).

4. Build-in GPS Antenna
  Receiving GPS signals.

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System Connections

- Always ensure that the unit and any other external device connected to the unit are switched off and unplugged from the power supply before you attempt to connect the unit to any external device.

Connecting to External GPS Antenna

The unit is designed with GPS antenna jack that allows you to connect external GPS antenna to receive GPS signals in the car when the signal is bad.
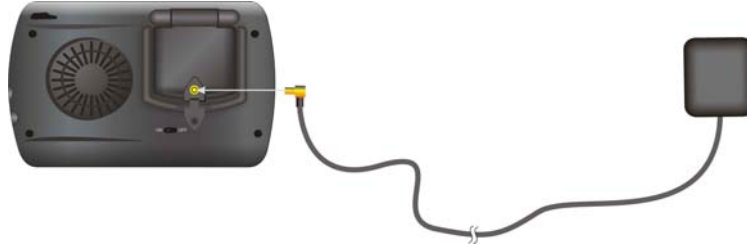
One end is connected to the jack of the unit and the other one to be placed on the roof of the car and make it to be sucked by the car.

Inserting SD Card

The unit is designed with SD/MMC Card jack that allows you to insert the SD/MMC card into the unit as shown below:
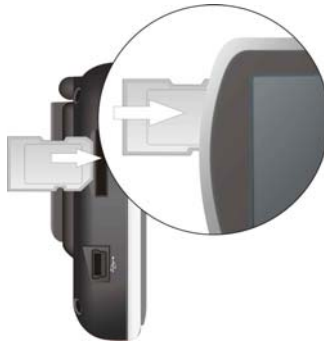
Connecting to External USB Device

The unit is designed with a USB port that allows you to connect the unit to PC for map updating. See the below figure for details:
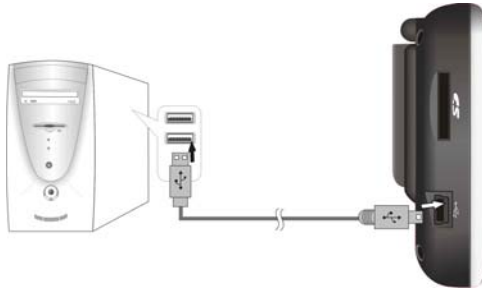
1. You should install the driver into your PC first.
2. Turn on the unit.
3. Connect the unit to the PC with the USB cable (supplied). "Mobile Device" will appear in "My Computer".

Connecting to Headphones

Connect the headphones to the right side of the unit for private listening.

When headphone is connected, the speakers will automatically turn off.

Note: Excessively loud volume could damage your hearing. So turn down the volume before you connect the headphones, and then raise the volume to comfortable level.

Power Supply Preparation

Using the AC Adaptor

The player is supplied with an AC adaptor for powering the unit and charging the battery.

1. Connect AC adaptor to the right side of the player in the jack marked DC 5V IN, as shown on the right. 2. Plug the two-prong end of the power cord into a grounded electrical outlet.

Note: Turn player's power off before unplugging.

Using of Car Adaptor

The player is supplied with a Car Adaptor for powering the unit while in a vehicle.

Connect the Car Adaptor Power Plug to the unit's power jack and plug the other end to the vehicle's 5V accessory/ cigarette socket, as shown on the right figure.

Attention

➢ Do not operate the unit while driving a vehicle.
➢ Place the unit in a proper position for viewing.
➢ Disconnect the player from the Car Adaptor when starting the vehicle.

Your portable GPS player comes with a built-in rechargeable battery. Please see details in the following segment.

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About Rechargeable Battery

Your portable GPS player comes with a built-in rechargeable battery. Charge the battery fully before initial use. Charging time is normally about 5 hours. A fully charged battery delivers about 3 hours of use.

Working conditions and precautions for the rechargeable battery

➢ New batteries should be fully charged before initial use.
➢ Battery should only be used and charged when temperatures are between 32° -100° F.
➢ Maintain well-ventilated conditions around the product to avoid overheating. Don't put the product on a bed, sofa or anything that may block ventilation to the product.

➢ When the battery is weak, " " will appear on the LCD screen and about five minutes later, the player will power OFF automatically.

Charging the Battery Pack

The battery must be charged by using the supplied power Adaptor.

General Setup

General Setup

When turn on the unit, the screen will display main menu, as shown below.

In the menu, there are six items for selecting, touch the item to enter it.

Tap [icon] to enter the map view; tap [icon] to enter MP4 Player; tap [icon] to enter the MP3 player; tap [icon] to enter Bluetooth function; tap [icon] to enter the picture viewer; tap [icon] to enter the settings menu.

Settings Menu

Tap [icon] to enter the settings menu, the screen will display as below:
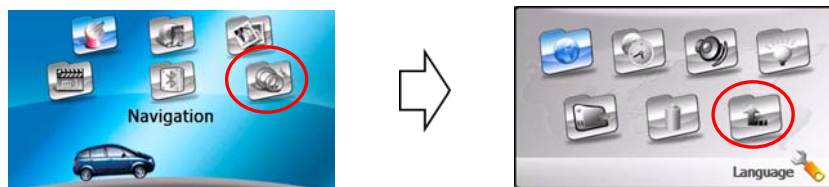
In the settings menu, tap [icon] to return to the main setup menu.

Language

Tap [icon] in the settings menu to enter **language** settings menu for language selecting, as shown below:

[icon grid] ⇒ [English screen]
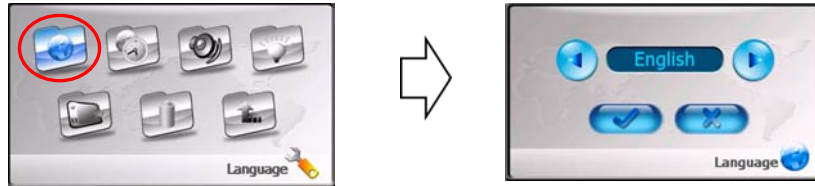
Tap the ◀ ▶ buttons to select language. Tap [icon] or [icon] button to return.

Date & Time

Tap [icon] in the settings menu to enter **Date&Time** settings menu for changing to the current time zone, as shown below:

[icon grid] ⇒ [Time Zone screen]

Time Zone (GMT-06:00) Central America
Date 06/01/2006
Time 14:20:41
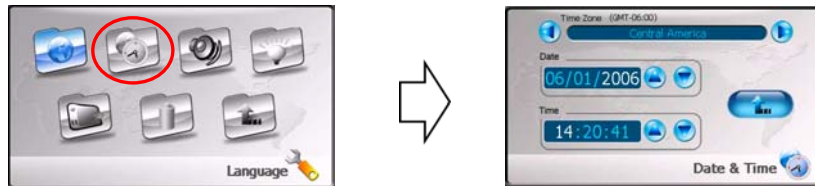
Tap the ◀ ▶ buttons to select the proper Time Zone. Tap the ▲ ▼ buttons of Date group to change the corresponding date and tap the ▲ ▼ buttons of Time group to change the corresponding time. Tap [icon] to return.

Volume

Tap [icon] in the settings menu to enter **Volume** settings menu for volume adjusting, as shown below:
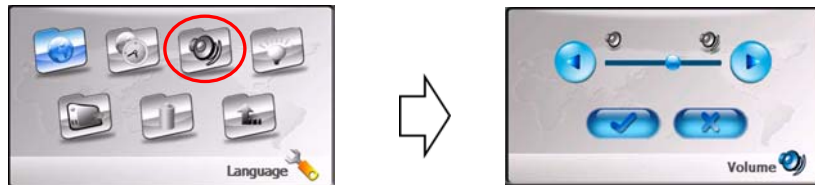
[icon grid] ⇒ [Volume screen]

Tap the ◀ ▶ buttons to adjust the volume level. Tap [icon] or [icon] button to return.

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Backlight

Tap ⬚ in the settings menu to enter the **Backlight** settings menu for backlight adjusting, as shown below:
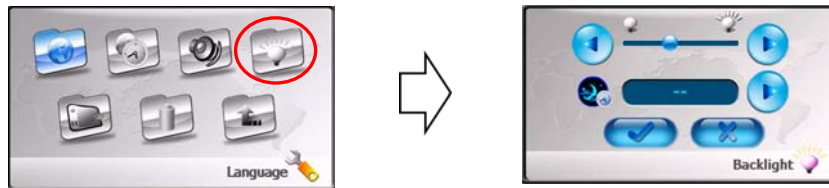
Tap the ◀ ▶ buttons to adjust the brightness, tap ⬚ or ⬚ button to return.

Tap the first group ◀ ▶ buttons to adjust the backlight level.

Tap the second group ▶ button to adjust the sleep time. There are 6 choices for sleep time (--/5/10/30/60/120).

   --: The system will keep backlight always on and will not enter sleep mode.

   5: The system will keep backlight on for 5 minutes and then enter sleep mode.

 10: The system will keep backlight on for 10 minutes and then enter sleep mode.

 30: The system will keep backlight on for 30 minutes and then enter sleep mode.

 60: The system will keep backlight on for 1 hour and then enter sleep mode.

120: The system will keep backlight on for 2 hours and then enter sleep mode.

After setting, tap ⬚ to confirm or tap ⬚ to cancel.

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Calibrate

Tap ▣ in the settings menu to calibrate, the screen will display as below:
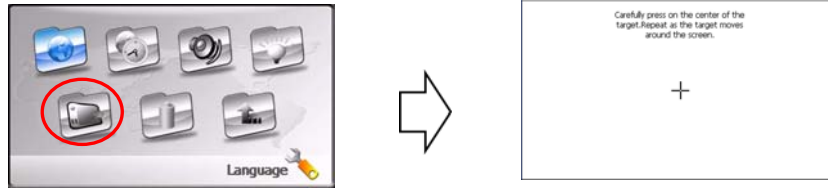
This item is used to calibrate the sensitivity of the touch screen. Tap the center of "+" as it moves around the screen. If you touch the center of "+" every time, it will disappear after having moved through a cycle (center→top left corner→bottom left corner→bottom right corner→top right corner). Tap the screen to return to the settings menu.

Note: If "+" doesn't disappear, you should calibrate again.

Power

Tap ▣ in the settings menu to enter **Power** menu for displaying the current battery status, as shown below:
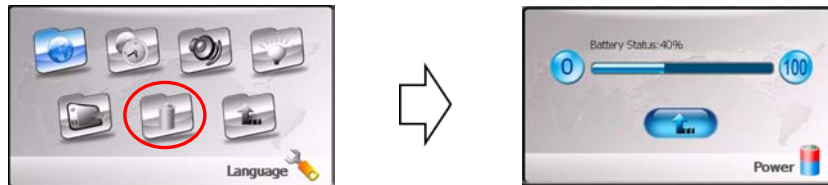
The power menu will display the battery status. Tap the ▣ button to return.

The unit is designed with SD/MMC/MS card slot and supports MPEG-4 format files playback. You can insert the SD/MMC/MS card with MPEG-4 files in the unit for enjoyment.

Note: Do not store MPEG-4 format files in the Flash storage, for the flash storage is used to store map data, any attempt to open the Flash storage may result in the map data missing and lost.

Playing MPEG-4 Files

In the main menu, tap [icon] to enter MP4 Player, as shown below:
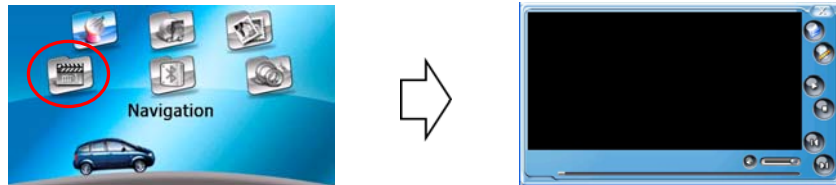
In the menu, tap [icon] button to select a file to play, as shown below:
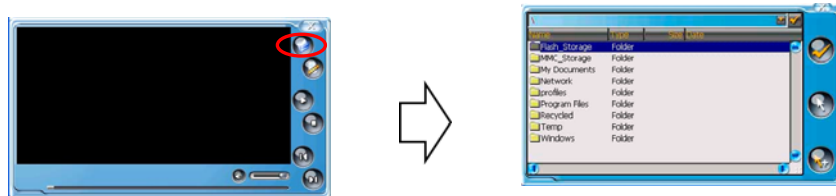
In the menu, tap [icon],[icon] button to move up or down the folders list; tap the MMC_Storage icon to open the folder, the items in the folder will be displayed on the screen, as shown below:
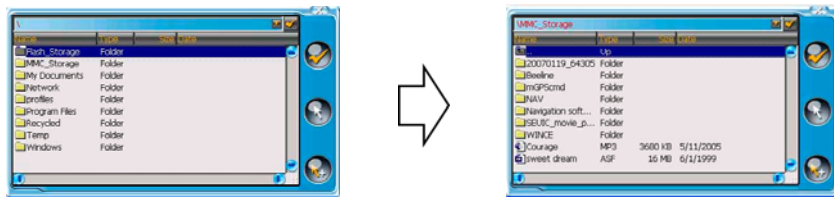
Tap , button to move up or down the items list; tap to select the item that you want to play; tap to select all the items in the folder; tap to confirm your selection and the player will play the selected item automatically, as shown below:
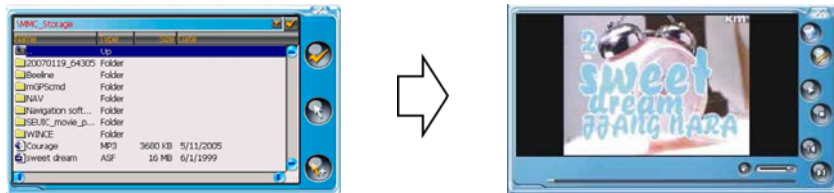
Tap the playback screen to play the file in full-screen mode; tap the screen again to stop playback and return to the MP4 player menu. Tap button to start playback and tap to pause playback; tap button to stop playback; tap button to play the previous item; tap button to play the next item. Tap button to turn off the speaker; tap to adjust the volume.

In the MP4 Player menu, tap button to enter the playback list, as shown below:

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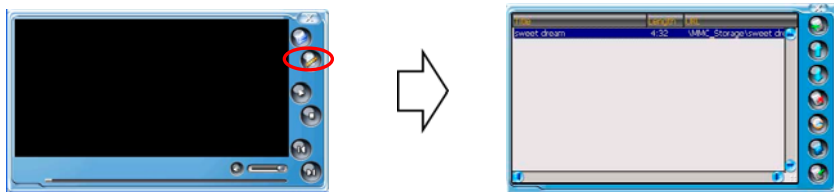
In the menu, tap ⊙ button to enter the folders screen for adding files to the playback list; tap ⊙, ⊙ to move the selected file upward or downward. Tap ⊙ to delete the selected file from the playback list. Tap ⊙ to play the selected file. Tap ⊙ to select a playback list. Tap ⊙ to store the playback list, as shown below.

In the menu, use the keyboard to input the name of the playback list; select the type and storage place of the playback list. Tap ⊘ to save the playback list.

The unit is designed with SD card slot and supports MP3 and WMA format files playback. You can insert the SD card with MP3 or WMA files in the unit for music enjoyment.

Note: Do not store MP3 or WWA format files in the Flash storage, for the flash storage is used to store map data, any attempt to open the Flash storage may result in the map data missing and lost.

Playing Music

In the main menu, tap [ ] to enter the playback menu, as shown below:
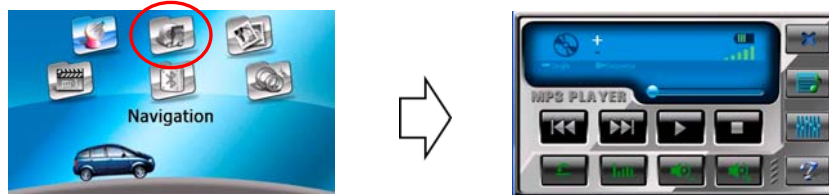
In the menu, tap [ ] to enter the MP3 playlist menu, as shown below:

In the playlist menu, if there are no songs in the playlist, tap [ ] to add songs into the playlist. The screen will display as below:

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Playing Music
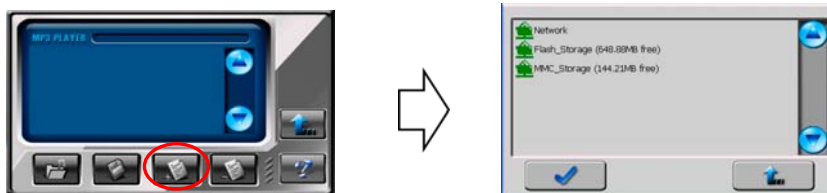
Double tap the MMC_Storage icon to open the folder, the songs in the folder will be displayed on the screen. Select the songs that you want to add into the playlist and tap the ✔ to confirm. The songs selected will be added into the playlist, as shown below:

In the playlist, double tap the songs to start playback.

Help Window

In the playback or MP3 playlist menu, tap to open the help window, as shown below:

Tap each button to view its function.

During playback, tap ⏮ button to go to the previous track.

During playback, tap ⏭ button to go to the next track.

During playback, tap ⏯ button to pause playback, or in stop status, tap the button to resume playback.

During playback, tap ⏹ button to stop playback.

During playback, tap button to repeat all the songs in the playlist.

During playback, tap button to play the current song only.

During playback, tap button to play each song for 15 seconds.

During playback, tap button to play the selected song repeatedly.

During playback, tap button to play the songs in the playlist in sequence.

During playback, tap button to play the songs in the playlist randomly.

During playback, tap button to decrease the volume.

During playback, tap button to increase the volume.

In the menu, tap button to open the playlist menu.

In the menu, after adding playlist, tap button to save the playlist.

In the menu, select songs and tap button to add the selected songs into playlist.

In the menu, select songs and tap button to delete the selected songs in playlist.

In all menus, tap button to exit the menu.

During playback, tap button to open the playlist.

During playback, tap button to enter the equalizer menu.

In all menu, tap button to open the buttons function menu.

In all menu, tap button to return to the previous menu.

Tap button to select the EQ mode in the equalizer menu.

Tap button to select the EQ mode in the equalizer menu.

Photo Viewer

The unit is designed with SD card slot and supports JPEG format files playback. You can insert the SD card with JPEG files in the unit for picture view.

Note: Do not store JPEG format files in the Flash storage, for the flash storage is used to store map data, any attempt to open the Flash storage may result in the map data missing and lost.

Take the following steps to play:

Loading JPEG format files
1. Insert the SD/MMC card with JPEG format files.
2. Turn on the unit.

Playing Picture
In the main menu, tap to enter the photo viewer main screen, as shown below:

In the main screen, tap to enter the folders menu, as shown below:
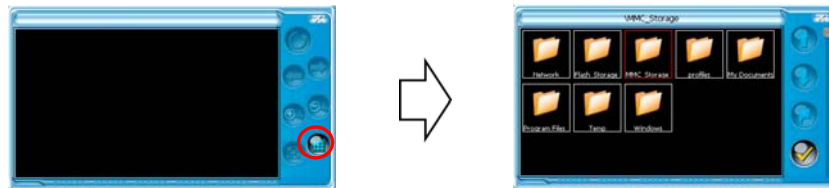
In the folders menu, tap ⬆, ⬇ to move the folders list up or down; tap ↩ to return to the previous folders menu. Tap ✓ to play the selected picture or to enter the selected folder; you can also realize these functions by double tapping the item you want to play or enter.

In the folders menu, double tap the MMC Storage icon to open the folder, the pictures in the folder will be displayed on the screen. Double tap a picture to play it on the screen, as shown below:


In the playback menu, tap 🔄 to rotate the picture; tap ◀ to play the previous picture; tap ▶ to play the next picture. Tap 🔍,🔍 to zoom the picture in or out. Tap ⛶ to play the picture in full-screen mode; double tap the screen to return to the picture browser menu. Tap ▦ to return to the pictures list menu.

Bluetooth Function

This unit is designed with bluetooth function. You can use it as hand free for a bluetooth hand phone.
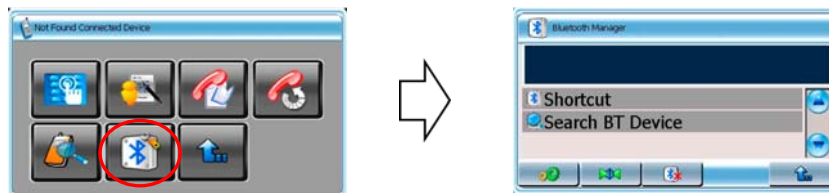
In the main menu, tap [icon] to enter the bluetooth menu, as shown below:
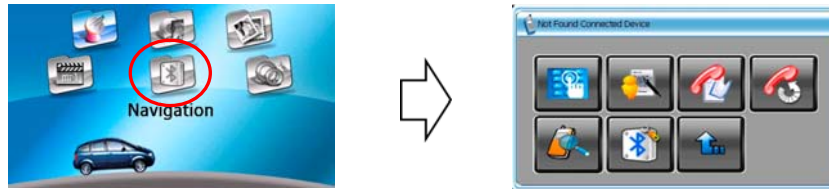
In the Bluetooth menu, tap the [icon] button to return to the main menu.

Blue Tooth Manager

In the Bluetooth menu, tap [icon] button to enter Bluetooth Manager menu, as shown below:
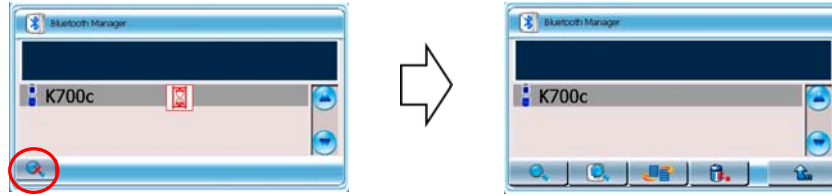

Search BT Device

The **Search BT Device** command lets you search the available bluetooth device. Tap it to start searching and the found items are listed in the menu as shown below:

*Note: Before searching, make sure the bluetooth function of hand phone is turned on.*

In the process of searching, if necessary, tap [icon] button to stop searching as shown below:

In the menu, tap [icon] button to search available bluetooth device again; tap the [icon] button to delete the selected bluetooth device.

Paired off with a BT device

In the list of the found bluetooth devices, tap one item to select it and then tap [icon] button to pair the unit and the selected bluetooth device off, as shown below:
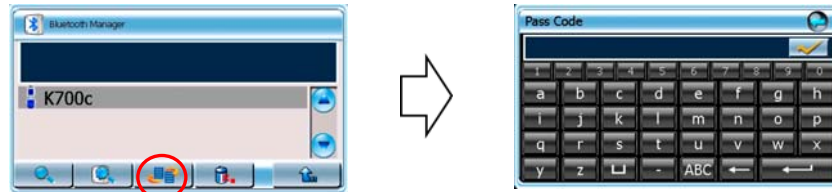
Use the keyboard to enter a random password, for example: 123. And then tap [icon] to send the password to the hand phone. After receiving the signal, a command to enter a passkey appears on the hand phone. Use the hand phone's keyboard to enter the same password. The screen will display as below:
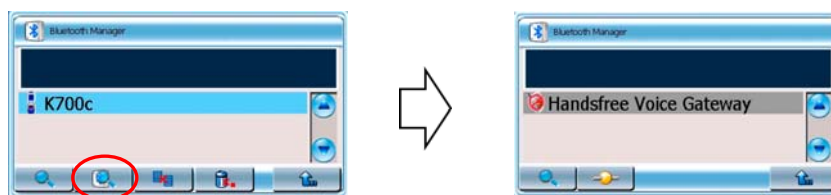
25
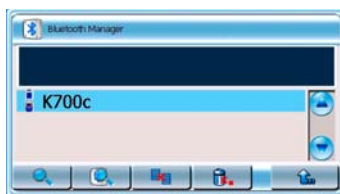
In the menu, the ![icon] icon shows that the unit and the selected hand phone have been paired off successfully. If necessary, tap ![button] button to break the bond.

Activate the BT profile

After having bonded successfully, tap ![button] button in the Bluetooth Manager menu to search available bluetooth protocol, and the screen displays as below:

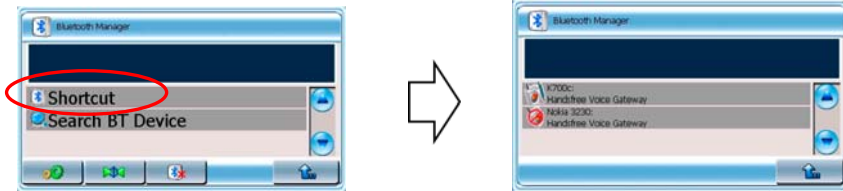In the menu, tap ![button] button to activate the Handfree Voice Gateway, as shown below:

Then the unit is already connected with the hand phone successfully. And the Bluetooth menu will show as below:

You can also use the **Shortcut** command to display recent connections and make a recent profile active or inactive conveniently. In the Bluetooth Manager menu, tap the **Shortcut** command and the screen will display as below:

In the menu, tap [button] button to activate the selected connection; tap the [button] button to delete the selected connection note.

Disconnect with the BT Device
In the Bluetooth Manager menu, tap [button] button to disconnect the unit and bluetooth device.

Blue Tooth Setting
In the Bluetooth Manager menu, tap [button] button to enter Bluetooth Setting menu, as shown below:

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In the menu, tap the yellow square to select or cancel these commands; tap [✓] button to save your setting; tap [✗] button to cancel.

Current Active Profiles
Tap [⏩] button in the Bluetooth Manager menu to enter Active Connection menu that displays the current active profiles, as shown below:
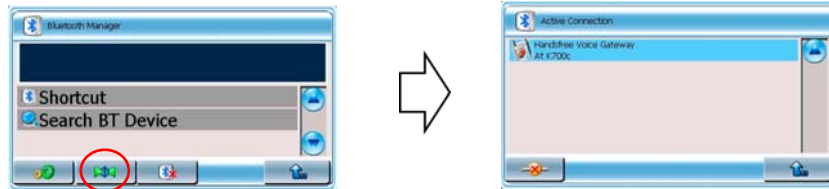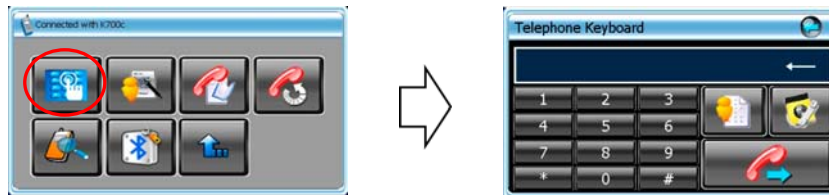
In the Active Connection menu, tap [✗] button to make the selected BT profiles inactive.

Telephone Keyboard
The telephone keyboard is available only when the unit has been connected with a bluetooth hand phone.

In the main menu, tap [▣] button to enter the Telephone Keyboard menu, as shown below:

In the Telephone Keyboard menu, tap [📖] button to enter Phone Book; tap [📋] button to enter Call Record.

Use the keyboard to enter phone number, and then tap [icon] button to call; the screen will show as below:
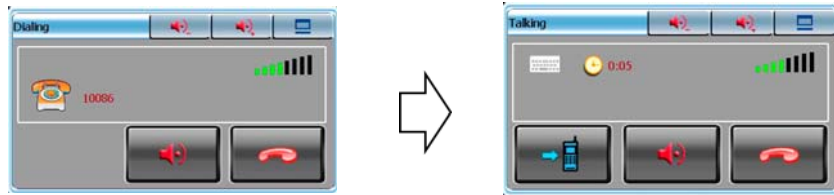
In the Talking menu, tap [icon] [icon] buttons to adjust the volume level; tap [icon] button to turn off/on the speaker; tap [icon] button to hang up; tap [icon] button to return to the blue tooth main menu; tap [icon] button to switch to talking in hand phone; tap it again to switch to talking in the unit.

Tap [icon] icon, and then a keyboard appears, use it to input the other numbers, for example: ext.. The screen displays as below:

Phone Book

In the Bluetooth menu, tap [icon] button to enter phone book, as shown below:
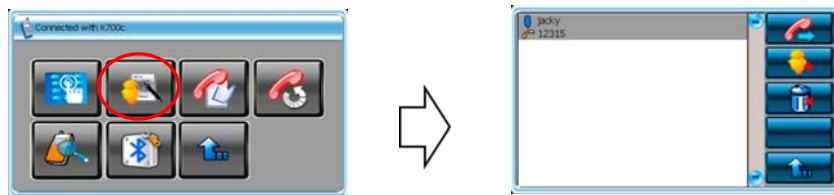
In the phone book, tap 🔵 🔵 buttons to move up or down the list of phone number; you can select a phone number and tap 📞 button to call directly. Tap 🗑 button to delete the selected phone numbers; tap ⬆ button to return to the previous menu.

Tap 🔽 button to add a phone number to the list, the screen will show as below:
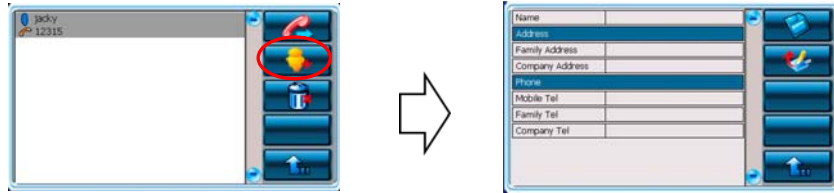
In the menu, double tap the blank on the right of the item you want to edit, for example "Name", then you will enter a keyboard as shown below:
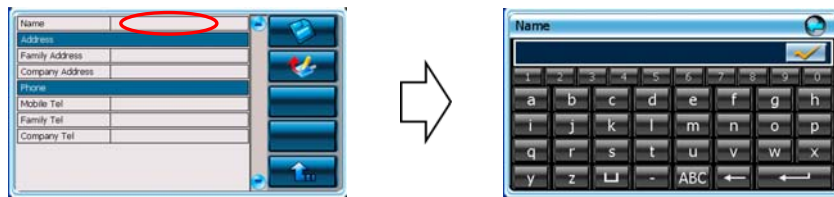
Use the keyboard to enter name, and tap ✅ button to confirm your input.

After having edited your desired items, tap 💾 button to save the information; tap 🧹 button to clear up the entered information.

If you want to edit the telephone number having been in the phone book, double tap it to enter the edit screen.

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Call Record

In the Bluetooth menu, tap [icon] button to display recent call notes, as shown below:
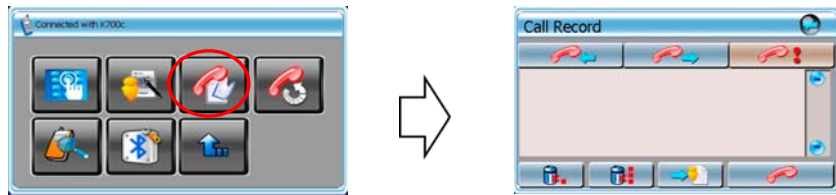
In the menu, tap [icon] button to display recent received calls; tap [icon] button to display recent dialed numbers; tap the [icon] button to display recent missed calls. Tap [icon] button to delete the selected note; tap [icon] button to delete all recent notes; tap [icon] button to return to the previous menu. Tap [icon] button to add the selected note to the phone number book, as shown below:
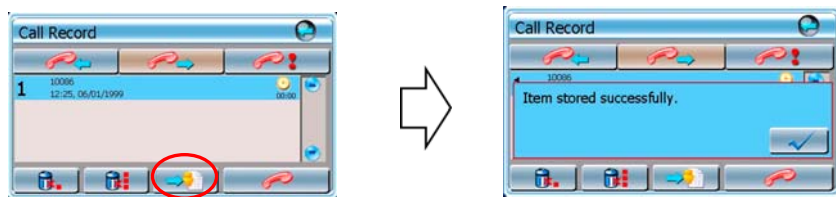
In the menu, tap [icon] button to confirm.

Call Back

In the Bluetooth menu, tap [icon] button to redial the latest call.

Activate the Latest Connection

In the Bluetooth menu, tap [icon] button to activate the latest connection.

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Using the Mounting Accessories

When using the unit in vehicle, you can use the supplied mount accessories (mount bracket, mount cradle and dashboard mount disk) to mount the unit in the vehicle. Take the following steps to operate:

1.   Slide the mounting cradle onto the end of the mounting bracket.
2.   Set the bottom edge of the unit on the bottom of the mounting cradle. Rotate the unit back until it clicks into the mounting cradle.
3.   Lift the suction cup lever.
     To mount to windshield, press the suction cup to the windshield and press down on the suction cup lever.
     To mount to dashboard, use the included adhesive disk.
     Choose a clean, dry spot on your dashboard, peel off protection liner from the back of the disk, and then attach the disk to your dashboard.
4.   Press the tab at the top of the mounting cradle to remove the unit.

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

If you suspect something wrong with the unit, immediately turn the power off and disconnect the power connector from the unit. Never try to repair the unit yourself because it is dangerous to do so.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Users can't turn on the unit.	The adaptor doesn't connect 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 can't receive satellite signals or can't orient.	Buildings or metal block may obstruct the unit.	Make sure to use the unit out of room; if in the vehicle, you can use the external GPS antenna to solve this problem.
	The built-in GPS antenna is not open or it's angle is not correct.	Rotate the built-in GPS antenna out until it's horizontal (parallel with the ground) and make sure it maintains the status.

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Troubleshooting

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The unit can receive signals now but can't then; signals received are not stable.	The built-in rechargeable battery is weak.	Use the adaptor to supply power or charge the battery.
	The unit may be obstructed by veil, such as heat insulation paper.	Remove the veil.
	Swing of the unit is too great.	Avoid great swing of the unit.
	System software of the unit fails to function by change.	Turn on the unit again.

Other possibilities:

Static or other external interference may cause the player function abnormally. In order to recover normal status, please unplug the power supply cord and then plug it into the outlet again to reset the player. If the problems still exist, please cut off the power supply and consult your service center or the qualified technician.

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TFT screen size	4.3 inches
Frequency Response	20Hz～20kHz
Audio Signal-to-noise Rate	≥65dB
Audio distortion or noise	≤－20dB (1kHz)
Channel Separation	≥70dB (1kHz)
Dynamic Range	≥80dB (1kHz)
Power	AC 100-240V ～ 50/60Hz; DC 5V
Power Consumption	< 8W
Dimensions	130mmX74mmX24mm (L*W*D)
Weight	About 0.25kg

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE