Please read this manual before you start using this device.

Thanks for purchasing our product. Please read this manual carefully before starting to use this device. When you use this device, you are supposed to learn well of this product.

The information in this manual has been verified for its accuracy. But no liability will be applied for the correctness of mapping data of navigation, technical and/or editorial interpretation or illustration, or the meaning and translation of this manual, nor liable for any consequence or incidental damages caused by using this manual.

This device is a complicated technical product consisting of OS and third party software. The manufacturer has paid sufficient attention to and fulfilled its duty in hardware manufacture processing and its development and/or application of the software so as to ensure the device work properly. If there is any malfunction or defectives of this device, the manufacturer will provide a warranty for the contingent quality problem, but not covering for any loss or damage of property, or any consequence caused by or related to using this device.

The navigation software and mapping data is provided by a third party. Its copyright is protected by laws. A user can only use on this device, any copying or application of the software for other purpose is not allowed.

No explicit and/or implicit guarantee or assurance will be applicable for the validity, integrity, correctness, accuracy of mapping data for navigation used on this device, nor liability for any loss, damage, and/or any consequence caused by or related to defective mapping data or software used on this device.

The copyright of this manual is owned by the company and protected by laws. Any copy or translation of whole or part of its content, including words, figures, signs, phonetic index, etc. is only allowed for the individual customer's reference, but not for public circulation, or other legal and/or commercial purpose. The company reserves the right for final interpretation of this manual.

General tips for GPS application

The following content is tips for GPS device application and operation. Please read it before starting use of the GPS device, so that you may make a better use of the GPS device.

While the GPS device is working, it receives signal from satellites for positioning. The signal from satellite may not be received, or be weakened in room, nearby some big buildings, or under overhead bridges.

When the GPS device is receiving satellite signals, you will get signals from different satellites when you are in different places. This is called "Satellite Path". A "Satellite Path" only covers a range of 300 KM. If it is "Satellite Path" is defined at point A, then turn off the device and move to another place beyond 300 KM away from A, the device is under another "Satellite Path". At this moment, the device needs to search for satellite signal again. To track the new "Satellite Path", this will take quite a long time. To save time for this searching, you may click "GPS Reset" button in menu of "GPS Setting" to clear the previous "Satellite Path".

It will be difficult and taking more time to catch positioning signal from satellite during high speed driving. It is suggested to search the positioning signal by stopping your car for a better and faster effect.

While changing 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:

A 4.3" 480x272 LCD TFT display with touch screen for control and input.

Professional portable navigation system, UI design for mobile application, Convenient operation

Modern Windows OS, World class CPU

SD card of extensible capacity for mapping data, MP4 video, MP3 music, Photo, and personal files

Map for major large and medium scale cities, detailed mapping data, real-time guidance, automatic route planning

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
the corners. If you click the arrow up the corner you can turn pages to view, which accompanies the cartoon at the same time.

**Secondary UI (Projector Screen)**

In this interface, click the icons on the screen to enter the corresponding functions, and click the arrow on the right bottom to turn the page. There will be an animation effect when turning the page.

**System UI (Green background)**

In this interface, click the small icon to switch to the corresponding page. Then, an animation is played circularly on the screen. Touch the screen or the small icon on the bottom to enter the function, and click the arrow on the right bottom to turn the page. There will be an animation effect when turning the page.

**Secondary UI (Green background)**

In this interface, click the icons on the screen to enter the corresponding functions, and click the arrow on the right bottom to turn the page. There will be an animation effect when turning the page.

Two kinds of theme interfaces are available. To change the theme, change it in the language setup under the system setup.

**Battery Status Icon**

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

**Charging**

Warnings for charging:
1. A new battery may be empty and not charged before you get the device.
2. To achieve the best performance of the battery, it is better to charge it up to 8 hours in the first three times, but not over 16 hours.
3. In normal charging with DC charger, please make sure to charge it for 2 - 3.5 hours to get it fully charged.

Always battery will reach its best performance after a number cycles of charging and discharging:
- If the device is not used for long time, it is better to charge it by full capacity every 2 or 3 months during storage.
- If not using the device for a long time, it is also to take out the battery.

**Charger Application**

DC charger:
Take out the DC charger, plug it into the wall outlet with AC 220V/180V ~240V, then plug in the DC jack into the device DC-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).

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 overload 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
### Video Configuration

<table>
<thead>
<tr>
<th>No.</th>
<th>Video Description</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Channel name</td>
<td>[Blank]</td>
<td>[Blank]</td>
</tr>
<tr>
<td>2</td>
<td>Video display area</td>
<td>[Blank]</td>
<td>[Blank]</td>
</tr>
</tbody>
</table>

#### Notes:

1. To enter the EPG menu and select the desired channel, press the channel button on your remote control.
2. To display the menu, use the navigation keys on your remote control.
3. All channels are listed in the order shown in the table. Please refer to page 15 for more information.

### Example Configuration

#### Time Table

<table>
<thead>
<tr>
<th>Day</th>
<th>Event 1</th>
<th>Event 2</th>
<th>Event 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon</td>
<td>[Event Info]</td>
<td>[Event Info]</td>
<td>[Event Info]</td>
</tr>
<tr>
<td>Tue</td>
<td>[Event Info]</td>
<td>[Event Info]</td>
<td>[Event Info]</td>
</tr>
</tbody>
</table>

#### Case Study

A typical day schedule for Channel A includes:

- [Event Info] from 08:00 to 09:00
- [Event Info] from 14:00 to 15:00
- [Event Info] from 20:00 to 21:00

For more detailed configurations and additional information, please refer to page 15.
FLASH Play
This is for Flash file playing.
Operation:
On system main menu, click to enter Flash playing mode.
Then file selection UI will be shown on screen.

On this UI, click to search Flash files in selected folder; click to close the window and exit Flash playing mode; double-click or select File and click to open the selected file.

Control buttons in playing mode:
- Play, Pause or Stop mode; press this button to play.
- Play/PAUSE in Play mode; pressing this button to pause.
- Stop, Play mode, pressing this button to stop.
- Fast Forward, in Play mode, pressing this button to fast forward once;
Volume button, click white a to set into mute status, click it again to resume.

In full screen display, the tool bar or screen bottom will be hidden, you can slightly tap on screen to get it.

It will take a few minutes to search all video play mode status if this dialog button has not been used for a long time.

RMVB Player

This function is special for RM and RMVB files.

Operation:

In the system UI, click the icon to enter the function of Media Player, then click the "RM" to enter into the Video Player. And the screen will display as follows:

In the present UI, click the button to search the video files which you have saved beforehand. Click the button to exit the media player, double-click the file you selected, or click the button to open the file.

UI and button definition:

- Play
- Pause
- Stop
- Full screen display
- Play Progression (drag to a point to start play)
- Play Normal

Music Playback

This is for Music Playback with format of MP3, WAV, WMA.

Operation:

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

On the UI, click button to search for music files not in selected folder, click button to close this window and exit menu play mode, double-click or select then click button to play this music file.

Music play mode is displayed as following diagram:

Button and control in Play Mode:

In music play mode, click button to pause, then it becomes Play Button. At this time click button, music play mode will return again; click button to stop, click button to jump to the next one, click button to jump to the previous one.

In switch Progression mode, click button to set mute. When this button will become , click it again to recover.

Exit from Music play

Click button at the upper right corner to exit.

Bluetooth Function

The Bluetooth function is used for communication purposes. After the device is connected to a mobile phone with Bluetooth capability, you can operate the mobile phone functions on this system. He can dial or receive a call, view the call record of the mobile phone or perform other functions. Click the Bluetooth icon on the main interface and enter the following interface.
Enabling Bluetooth Function

In the first use of the Bluetooth function, you will see the interface shown above. Only Bluetooth Setting is available. Other functions are all unavailable in the gray-out state. At this time, enable the Bluetooth function. Click Bluetooth Setting to enter the setting interface, as shown in the following diagram:

On this interface, the PIN code is the identification code to connect the mobile phone. To connect the mobile phone, you need to enter this code on the mobile phone before the connection is established. The number can be set freely. Click the keypad icon behind the number and enter the input interface. Select by ticking the check box ahead of the Enable Bluetooth Function to enable the function. The return to the upper-level menu and the following interface is displayed:

At this time, if the mobile phone is not connected, other mobile phone functions are unavailable.

Connecting Mobile Phone

After the Bluetooth function is enabled, on the Bluetooth function interface, click the Pair icon to enter the Bluetooth equipment matching function, as shown in the following diagram:

If connection has been established in the past, the interface will list all devices that have been connected in the past. Select a device and directly click the Connect button to connect to the device. The connecting process may take a few seconds. Be patient. Click the Delete button to delete all connected records.

In the case of first use, please click the Pair button at the right lower corner to enter the equipment search interface. Start the countdown of 60 seconds, as shown in the following diagram:

At this time, enable the Bluetooth function of the mobile phone to search the Bluetooth device. After it is found, enter the same PIN code as that displayed on the screen of this system and match the device. The screen will also display “You’ve matched your mobile phone successfully!”

At this moment, click OK to return to the upper-level interface. You’ll see that all functions are available now, as shown in the following diagram:

Dial Keypad

On the Bluetooth function interface, click the Dial icon to enter the Dial Keypad:

At this time, click the number keypad to enter the telephone number to be dialed, and then click the Dial button at the right lower corner to dial the number. Click the Back button to return to the upper-level function.

After the Dial button is clicked, the mobile phone enters the call state. The screen display is shown in the following diagram:
Using the Call list, click the Directory button to send the call.

Dialing the Call: Click the Dialer button to make a call. Then dial the phone number and click the Dial button. The call will be sent.

Note: You can also use the phone book to look up contacts and make calls.

For more information, please refer to the user manual.
Click the tag on the date screen to check and revise a stored schedule or agenda. If the tag is blank, then click it to set up a new schedule or agenda.

To create a new schedule, please refer to "Create New Schedule" in the following text for detailed procedure. Click the button on upper right to exit, and return back to Search by Month.

**Search by Week**

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

As shown in the illustration above, there will be a timeline if an agenda is set on the date and time. Click to access to check or edit this agenda. Click the corresponding slot of date and time on which you want to edit a new agenda to set it.

To create a new schedule, please refer to "Create New Schedule" in the following text for detailed procedure. Click the button on upper right to exit and return back to Search by Month.

**Create New Schedule**

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

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

As shown in the picture, you can choose the input method from the list bottom. Click "Handwriting" to change to the handwriting input state, and click "TextEdit" to close the handwriting state. The handwriting input state is shown as follows:

As shown in the picture, in the middle empty area is the handwriting area. Click the button on the right side to change the input method, and click "TextEdit" to close the handwriting input panel, click "TextEdit" 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 edit. "Priority, Type" can be selected in drop down menu underneath them respectively.

When finished, click "Save" to save the new scheduled, then return back to mode of Search by Month.

**Define Schedule**

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

In this mode, click dragging bar after "Time, All" to choose other list, select an agenda to be deleted. Then click the button; a dialogue box will pop up, select "OK" to delete this agenda. Click the button at upper right corner to exit Delete mode, then return back to mode of Search by Month.

**FM Transmission (optional)**

This feature is designed for transmitting the sound of this device at a set frequency to your car FM radio receiver, then you can hear from your car stereo system, and get it at volume set by the car stereo system.

Operation:

1. Open the application on your device.
2. Select the "FM Transmission" option.
3. Adjust the frequency to match your car's FM radio receiver.
4. Listen to the audio transmitted from your device through your car's stereo system.
In the system UI, open the Tools then find the icon to activate FM. It will be illustrated like below:

Then you may select "Transmission On" or "Transmission Off", when selected "Transmission On", you can also select device speaker on or off. It is suggested to enable the device speaker when "Transmission On" is selected. Press or button, or directly drag the slider bar to set FM transmission frequency, then turn on car radio FM receiver and tune it to the same frequency as the transmission, then you may get the sound from the device.

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
- FM transmission is off, the device speaker is on

Additionally, on main menu, click these icons you may enter into FM transmission mode directly.

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

Operation:
In the system UI, click the icon to open Tools, then find the icon and click it to activate the function of Calculator.

As shown in the above illustration, the calculator 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.

Operation Procedure:
In the system UI, click the icon to open Tools, then find the icon and click it to enter Notepad Function. It will show like below:

As shown in the above diagram, the pane on the left of the interface shows the titles of the saved notes. Click a note title to display the full content on the content pane on the right.

Creating a Note
Operation Procedure: On the main interface of the Notepad function, click the button to enter the state of adding notes. The screen display is shown in the following diagram:

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 list button at the bottom, click "Handwriting" to change to the handwriting.
As shown in the picture, the middle empty area is the handsetting area. Click the button on the left side to change the input method, and click "Hide" to close the handsetting input panel; click "keyboard" to return to keyboard input state.

Enter the content to be edited, hide the soft keyboard, click the button in the lower left corner of the screen to save the entered content and return to the main interface of the NotePad function.

6. Invisible Note Stored
On the main interface of the NotePad function, select the note to be modified, and then click the button in the lower left corner of the screen to enter the note editing state. The screen displays the operation area with the text "Creating a Note". After modification, click the button to save it, and return to the main interface of the NotePad function.

7. Deleting a Note
On the main interface of the NotePad function, select the note to be deleted, and then click the button in the lower left corner of the screen. The screen pops up the dialog box to confirm the deletion. Click OK to delete the note.

8. Exiting NotePad Function
On the main interface of the NotePad function, click the button on the upper right corner to exit the NotePad function and return to the system main interface.

Alarm (Optional)
The system can give warning of the relevant monitoring devices on road to alert the safety drive.

Operating method:
In the system main interface, click the button to enter the early warning system. The screen is shown as follows:

There are four modules: Setting, Style, Data manager, and Simulator. Click the icon on the interface to enter the corresponding functions.

Setting
It is to enable the early warning function and set some warning parameters, such as warning distance and mode. As follows:

Click "Start Alarm" on the left side. The red line in the square frame means the early warning system is enabled. "Distance:" Set the warning distance in high-speed drive. "Distance:" Set the warning distance in low-speed drive. "Start Sound": Reset the warning alarm when there is a certain distance away from the alarm point.

Style
This is to set the type of warning of the warning system, as shown below:

You can set different types of warning as required in this interface.

Simulator
This is to simulate the alarm state of all kinds of warning items, as shown below:

Click the icon on the screen to experience the corresponding alarm.

DataManager
This function is to add the type of warning and the coordinate manually to perfect the warning data. It is a convenient and user-friendly function. The screen is shown as follows.
“Hand Flash” is the inside memory of the device. “SD/MMC” is the SD card. So the start-up music can be selected from both of them. Select one, click the button till to confirm, then back to the upper level interface.

Time Setting
This is for setting time of the system. After entering into this UI, screen display is shown as the illustration below.

On this UI, click button on the screen to set. After setting, close the current window to save.

System Resources
This is for checking system resources: 

On this UI, click directly at the item on the right to check.

Coordinates Calibration
This is for calibrating the status coordinates on touch screen. After entering into this UI, screen display is shown as the illustration below:

On this UI, use stylus to tap at the center of the cross, then tap on other crosses which will move after each tapping and finish after “Touch Screen Calibration Completed” is shown.

Update Logo
The function is for updating start-up logo of the device. Please be sure that you have stored the logo files into the SD card. After entering into this UI you will see the interface shown below:

If there is no logo file in the current SD card, please copy the logo file into it or change another SD card having upgrade file; then click button, you may see this upgrade file. During upgrade operation, click button, then a dialogue frame will pop up, shown as the illustration below:

Then click button to cancel upgrade, or click till to proceed with the upgrade processing.

Warning: please be sure that the battery is being full when you are upgrading. If not, please get the device charged.

GPS Path
Using this function to test GPS path for your navigation. Screen display will show as follows:

File folders of SD card will be listed on screen. Click a folder to open it, select GPS software.

If there are two or more maps from different companies on an SD card, then this feature can help you select each of them easily.

The way to Select: In SD card directory, open the file folder to find the map to be select, select navigational software of two different companies (GPS.exe), then select and click button, a dialogue frame will pop up on screen, as it shown below:
Operation:
In eBook Reading mode, click right button to enter into bookmark setting, display of change, toolbar is shown as in the illustration below:

Click button to set a bookmark for the current page. Directly click selected bookmark option in the dialogue block to remove the bookmark, click button to jump to the bookmark page. Click button to exit bookmark setting and return back to eBook Reading mode.

Jump to the appointed page
This is for jumping to the appointed page when reading a voluminous article and no bookmark is set.
Operation: In eBook Reading mode, click right button to enter into Jump function, toolbar of dialogue block is shown as in the illustration below:

Click the number key on screen to input the page number to jump to, when finished, click button to clear input block, after clicking page number click button to jump to the page of selected number.

Search for specific word or phrase in eBook
This is for searching a specific word or phrase in the current reading article. In eBook Reading mode, click right button on screen to open toolbar of dialogue block shown as in the illustration below:

Click on the input field on the screen, 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, and click “Input” to close the small keyboard. The

Handwriting input status is shown as follows:

As shown in the picture, the white empty area is the handwriting area. Click the button on the right side to change the input method, and click “Input” to close the handwriting input method. Click “Keyboard” to return to keyboard input state.

Enter the desired characters and click “Save” to start selecting. Click this button again in sequence for the next one if the result is not up to the demand.

TTS speech broadcasting
TTS speech broadcasting function is able to read the article you are reading. Click button to set the parameter of speech broadcasting as follows:

TTS speech speed, tone, and volume are available to be adjusted. Click “OK” to save the settings and exit the window.

Click to exit to read the article, the page will be turned automatically when reading.

Car-tracking Mir View Function
This function is a fully automatic function. No manual operation is needed.

Equipment installation:
The receiving device of car-tracking rear view is installed on the seat of the navigator in that regard, before the use of the device, it should be installed on the vehicle mounting plate. The rearview camera should be installed in the passenger seat of the vehicle.

This function allows the rear view camera to be in a fixed position, when the car is engaged in the parking gear, the navigation receives the signals, and automatically switches to the display image of the rear view camera. When the vehicle is not engaged in the parking gear, the navigation will switch to the previous work mode automatically.

Returning to Win CE Desktop
The device can return to the Win CE by pressing one key and implement the PDA functions.

Operation Procedure:
On the system main interface, click the icon and the screen pops