

GPS Portable Navigation Device

User Manual

Function Description

Illustrations on screen display: System UI(Projector Screen)



Under this UI, click icon down the screen to enter the function page. Then there will be Looped playback of cartoon, click it to entry this function. If you click the icons beside the function icon you can enjoy the cartoons. 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.

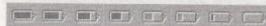
Secondary UI (Green background)



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:



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. 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 - 2.5 hours to get it fully charged.

A new 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 to full capacity every 2 or 3 months during storage.

If not using the device for a long time, it is wise to take out the battery.

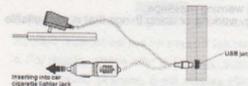
Charger Application:

DC Charger:

Take out the DC charger, plug it into the wall outlet with AC 220V(100V~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 overloaded pulse current during ignition.

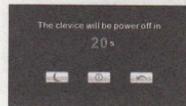
Please pull it out when you stop the engine, and plug it in again after next ignition.

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 [Left Arrow] will be in sleeping mode, click the button [Power] will power off; click the button [Right Arrow] 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.

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

Mobile TV

Introduction

Key features

- Digital TV live-in playback
 - SDB-T
 - DVB-T
 - Analog TV
- Channel scanning, installation and zapping
- Channel list management
- Electronic Program Guide
- Screen snapshot
- Audio settings

Launch Application

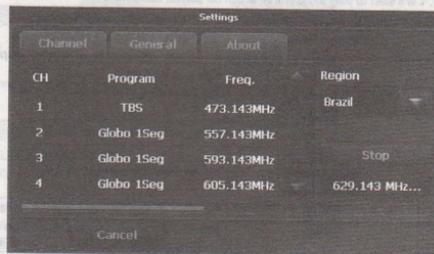
After launch application, will display following warning message:
"Warning: watching is forbidden when driving, working or doing things that is not suitable watching".

Warning: watching is forbidden when driving, working or doing things that is not suitable watching

One Press "Continue" button to enter the TV application, press "Cancel" will exit the application.

Run the application for first time

If no channel has been installed, auto channel scanning menu will be shown to do channel scanning firstly.



1) Tap "Scan" button to start channel scanning, and Scan Button will change to "Stop" Button after that.

2. Tap "Stop" will stop current channel scanning, and the "Stop" button will change to "Scan" button after that. The progress bar will also be set to completed status, and all installed channels will be saved.

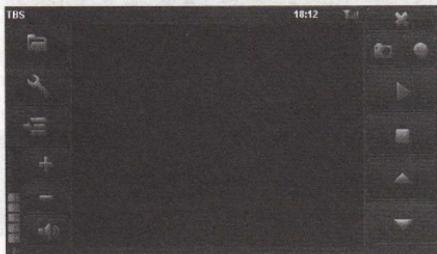
3. Tap Return button [Left Arrow] will close the dialog, and exit the channel scanning. All installed channel will not be saved if tap return button during channel scanning.

4. For details, please refer to [Channel scanning section](#).

If have saved channel, it will display [Playback Window](#) directly, and start to play the channel which be played last time.

TV Playback

Playback Window



This is the main menu of ISDBT Mobile TV Player. After launch the ISDBT Mobile TV player, it will start to play the channel which be played last time.

Index	GUI Component	Usage Description
1	Channel Name: 	1. Display the current channel name. 2. If no channel is available, display "NO Channel Available"
2	Time: 	1. current time.
3	Signal Status: 	1) Indicate current signal status.
4		Tap to close the application.
5		1) Tap to capture the current video frame picture. The captured picture can be found at Snapshot directory. Please refer to Recorder Directory section
6		1) Start recording. The recorded file can be found at PVR directory. Please refer to Recorder Directory section
7		1) These 2 buttons are disabled in live-in channel playback 2) If tap "Pause" during local file playback, current playback will pause. Tap "Play" will resume playback. 3) If Tap "Stop" button to stop live-in TV channel, press "Play" button will start live-in playback
8		Stop the 1) TV live-in Playback 2) Local file Playback 3) Recording

9		Change to previous channel.
10		Change to next channel.
11		Tap will stop current playback and show file browser. For details, please refer to Play recorded file
12		Tap will stop current playback and display Setting Menu
13		Display EPG Menu.
14	Volume control: 	1) : Volume up 2) : Mute, Un-Mute 3) : Volume Down.
15	Progress Bar 	It is the progress bar and only enable for local file playback

FLASH Play

This is for Flash file playing.

Operation:

On system main menu, click icon, to get into Flash playing mode, then file selection UI will be shown on screen:



on this UI, click button to search Flash files not in selected folder; click button to close this window and exit Flash playing mode; double click, or select then click button to open this selected file.



Control buttons in playing mode:

- ▶:Play, in Pause or Stop mode, press this button to play;
- ⏸:Pause, in Play mode, pressing this button to pause;
- ⏹:Stop, in Play mode, pressing this button to stop;
- ⏩:Fast Forward, in Play mode, pressing this button to get fast forward once;
- ⏪:Fast Retreat, in Play mode, pressing this button to fast retreat once;
- ⏴:Full Screen, pressing this button for full screen paly;
- ⏮:Return, pressing this button to return back to system main menu from playing mode;

🔇:Sound Settings, Click the button to change into mute, in which

status the sound icon will change to 🔇 Click the mute icon to

back to its normal status and the sound icon will back to 🔊 at

the same time.

In full screen, tool bar will be hidden at screen bottom, you may get it by tapping on the screen.

Video Playback

This feature is for video file playing, with the formats: AVI, ASF and WMV.

Operation:

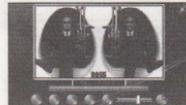
On system main menu, click 🎬 icon to enter

into Video Playback

application. Display of UI for file selection:



On this UI, click 🔍 button to search video files not listed in the appointed video file folder. Click ✕ button to close and exit from Video Playback application; Double click or select and click ▶ button to open and play this file.



UI and button definition:

- ▶ Play
- ⏸ Pause
- ⏹ Stop
- ⏩ Close
- ⏪ Next
- ⏴ Previous
- ⏴ Full screen display

▶ 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.

Music Playback

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

Operation:

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



On this UI, click 🔍 button to search for music files not in selected folder; click ✕ button to close this window and exit musi play mode; double click, or select then click ▶ button to play this music file. Music play mode is displayed as following diagrams:



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; click ▶

button to switch Repeat mode; click 🔇 button to set mute, then this button will become 🔇, click 🔇 again to recover.

Exit from Music play

Click ✕ button at the upper right corner to exit.

Photo Display

This is for Photo Display with format JPG stored in an TF card.

Operation:

On system main menu, click  icon to enter into Photo Display function. Display of UI for file selection:



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:



Then, 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  you can Ctrl-Shift-R or Ctrl-R the photo.  is for selecting to set automatic or manual mode to turn page of display.

Exit Photo Display

Click the button  on upper right corner to exit.

Schedule Organizer

This is to Add, Edit, Delete schedule, and display the schedule in week, month, enable the user to find the scheduled agenda conveniently.

Operation:

In the system UI, click the icon  to open Tools, under which you

can enter the Schedule by clicking the icon . The illustration will show like below:



The screen display is in month display mode. The date to be completed for the matters on screen show in red color. Click the 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.

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

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 a  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.

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

Create New Schedule

Operation: 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, you can choose the input method from the last button at the bottom; click "Handwrite" to change to the handwriting input state; and 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, and 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.

When finished, 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:



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

Exit mode of Schedule Organizer

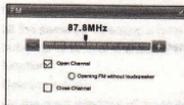
In mode of Search by Month, click "Home" button at upper right corner of the screen to return to main menu of system.

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:

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 select "Transmission On", you may also select device speaker on or off. It is suggested to close the device speaker when "Transmission On" is selected.

Press  or  button, or directly drag the slide 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

In addition, on main menu, click these icon 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, a 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 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.

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 last button at the bottom; click "Handwrite" to change to the handwriting input state; and 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, and 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

On the main interface of the Notepad function, select the note to be modified, and then 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 the main interface of the Notepad function.

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 part of the screen. The screen pops up the dialog box to confirm the deletion. Click OK to delete the note.

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.

System Setting

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

Operation:

On system main menu, click  icon to enter into system setting.

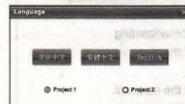
Screen display is shown as the illustration below:



In system setting, there 9 items for setting, click directly each item to change setting for it. Details will be described one by one below.

Language Setting

This is for setting of system language, screen display is shown as the illustration below:

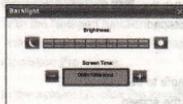


Click the icons of the corresponding language in this interface or choose the interface project, the system will save the setup automatically when the setup is closed, and return to the previous menu. (The system will be required to restart after the interface project is changed.)

Backlight setting

This is for changing backlight brightness of the device screen display, and time to start screen saver when no operation on the device.

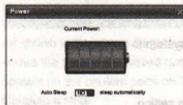
Screen display is shown as the illustration below:



Then, drag the slide block to set. Select No Screen Saver, then the screen saver will be disabled. After setting, close the current window to save.

Power Management

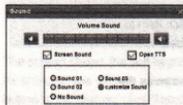
This is for setting auto power off and/or power saving mode, and time to start power off and/or power saving when no operation on the device.



In drag menu to select time, select "No" for disabling this feature. After setting, close the current window to save.

Sound Setting

This is for setting of beeping of power on, button operation on screen, and total volume. After entering into this UI, screen display is shown as the illustration below:



lick "Screen sound" in this interface to enable or disable the sound of screen operations, "Open TTS" is to enable the speech broadcasting function. TTS speech engine gives a clear broadcasting of the function name every time you enter into a function. English and Chinese speeches are supported for the moment. You can listen to the sound by clicking the start-up sound directly; and the general volume can be adjusted by dragging the slide directly.

User-defined start-up music

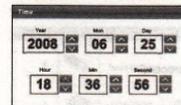
In the present interface, click "customize Sound" then its dialog window will show up, illustrated as below:



"Nand Flash" is the inside memory of the device, "SDMMC" is the TF card. So the start-up music can be selected from both of them. Select one, click the button  to confirm, then back to the upper-level interface.

Time Setting

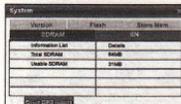
This is for setting time of the system. After entering into this UI, screen display is shown as the illustration below:



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

System Resources

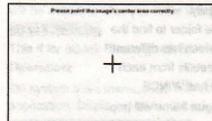
This is for checking system resources:



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

Coordinates Calibration

This is for calibrating the stylus 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 until finish and "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 pictures into the TF card. After entering into this UI you will see the interface shown below:



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



Then click **Cancel** button to cancel upgrade, or click **Confirm** to proceed with the upgrade processing.

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

GPS Path

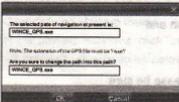
Using this function is to set GPS path for your navigation. Screen display will show as follows:



File folders of TF 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 a TF card, then this feature can help you select each of them easily.

The way to Select: In TF card directory, open the file folder to find the map to be used, select navigation software of .exe, (which has different names from each different company, please refer to details from each company of these navigation software, e.g. Careland has WINCE_GPS.exe), then select and click **Confirm** button, a dialogue frame will pop up on screen, as it shown below:



Then click "Cancel" button to abort; click "Confirm" to accept, then

display on screen will be:



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

USB
This is to set the mode when the USB interface of the device is connected to the computer, in which "U disk" is to set the device as the portable memory, and "ACTIVESYNC" is to use the device for program debug. Pictures are shown as below:



Click the desired connection mode and close the window to save the chosen mode.

Game

On system main menu, click **Game** icon to enter into Game. Screen display is shown as the illustration below:



In this state, click the game icon on the screen to enter the game.

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

eBook Reading

This is for eBook Reading with format .txt stored in a TF card.

Operation:

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



On this menu, click **Search** button to search for txt files not in selected folder; click **Close** button to close this window and exit file reading mode;

double click button, or select then click  button to open this file.

The screen display is shown as follows:



Click  or  button to turn page up or down; "Manual/Automatic" is set for selecting Manual or Automatic page turning; Font is for selecting letter size of display.

Bookmark

This is for bookmark in reading a voluminous article, marking or jumping to the last time marked page, a humanized design for convenience while reading.

Operation:

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



Click  button to set a bookmark for the current page. Directly click selected bookmark stored in the dialogue block 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.

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, display 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 inputting, click  button to backspace for deleting; click  button to clear input block, after inputting 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

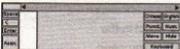
jump out from the dialogue block shown as in the illustration below:



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



As shown in the picture, you can choose the input method from the last button at the bottom; click "Handwrite" to change to the handwriting input state; and 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, and click "Hide" to close the handwriting input panel; click "keyboard" to return to keyboard input state.

Enter the desired characters and click "Next" to start searching. Click this button again to search 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 browsing. 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 setup and close the window when everything is set. Click  button to read the articles; the page will be turned automatically when reading.

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 up the confirmation dialog box. Click OK to return to the Win CE desktop. At this time, you can perform relevant operations. Return to the navigation system from the Win CE desktop:

On the Win CE desktop, click the  icon to start the navigation

system.

Video Input Function

The device supports the video input function. The video signals outputted by another device are transmitted to the device through a video cable. The device can work as monitor. Without any operation, the device will detect automatically the input of the video signals, and will automatically switch the current function to the video display state. After the connecting cable is disconnected, the system will return automatically to the previous work mode.

How to save and allocate files in TF card:

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 TF 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 TF card is listed below:

 eBook File	 Video File
 Navigation File	 Photo File
 Music File	

Attention: Navigation software must be saved into GPS directory

Specifications

CPU	SIRF Atlas V
Memory	2GB/4GB/8GB
Chip	GRF3+
Antenna	Built-in folded antenna
Memory Card	Applicable for a Maximum up to 8GB TF card
Screen Type	TFT Touch Screen
Screen Size	4.3"/4.8"/5.0"/6.0"/7.0
Screen Color	65K colors
Dot Matrix Display	480*272 / 800x480
Extension Slot	TF
Battery Type	Rechargeable Li-polymer batter
Battery Capacity	1300mAh

Trouble Shooter

No.	Fault	Possible Cause	Solutions
1	No power on	Battery drained (The screen has no further display after a blink when pressing power on button.)	Please refer to the description of battery charging in this manual, only use the enclosed charger to charge the device.
2	Dead Unit	The start interface stays on the screen for long time without changing. No display of the screen, or display on screen is frozen as any button is pressed.	Take out the battery, then put it back, start the device again. Press and hold the power on button for 5 seconds, then release it to power on. Take out the battery, then put it back, start the device again.
3	Error in upgrade	Dead or frozen during upgrade, display on the screen is frozen and no button works.	This fault can only be fixed by the manufacturer. Please return for repair.
4	Impossible to recharge	During charging, the green LED indicator of the device has no light or no charging sign displayed on the screen.	If the charger is connected 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.