>> User Manual <<

V1.0

—Leading Automotive electronic equipment—

Navigate, Radar Dectect, Video Record, Park System, Bluetooth

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Chapter I Beginning Use

1.1 Appearance

The effect figure below is subject to the material object.

Display & touch panel

Buttons

TF card for DVR Speaker Cable Mount Speaker

DVR camera Radar receive Lens Reset TF card for GPS

Optional Accessories:

Cable Bracket TF card Park system: camera&sensor

1.3 Basic Use

1.3.1 Powering on/off

The device automatically run when ACC is power on. Press the power key to enter sleep or awake.

1.3.2 Led status

Green Led:The video recorder indicator, it is twinkle when it is recording.

Red Led: The power indicator.

1.3.3 Key definitions

BASE KEY	Short push		Long push	
POWER	Sleep		Power off	
LCD	Close backlight		Switch GPS or DVR	
RESET	To reset the system			
DVR KEY	Recording	Reviewing	Menu	No video
MENU	Menu on/off	Menu on/off	Exit Menu	Menu on/off
OK	Stop record, Enter review	Pause/play	Enter	Record
UP	Voice record on/off	Play: last video Pause/stop:record	Up	

1.3.4 Using T-FLASH Card

Copy mapping applications, map data and media files in a T-FLASH card. Insert the card in the bottow slot.

[Note]:

1. Do not take out the card while an navigation program is being run or a media file is being played.
2. To avoid drop or crash of the T-FLASH card, do not exert heavy pressure on it or bend it.
3. Mind the direction while inserting the T-FLASH card to avoid damaging the slot or the card.

1.4 System Main Interface and Major Functions

When power on the device, it will enter the system main interface.

The main functions are listed as below.

Function	**Explanation**
Navigation	Tap to enable navigation and detecting radar function
Radar alarm	Support X, K, KA,KU, New K, Laser band.
Video recorder	Support HD 720P video recording, built_in million pixel camera.
Parking system	Support the reversing camera and parking sensors input, display the image and distance on the screen
Music player	WMA9 and WAV files supported; Random, sequence and cycle play supported

Movie player	WMV, ASF and AVI files supported; Adjustment of playing progress, pause and full-screen play supported
E-book	TXT files reading supporting page selection
Flash	SWF files supported;
Wallpaper	Set Desktop Wallpaper
FM	FM channel to adjust the power
Calculator	Units can be calculated
Unit	The unit conversion
Gps info	Recorded signal
Theme	Theme settings
Photo browser	JPG，GIF，BMP and PNG files supported; Photo rotation, zoom in/out and auto play supported
Explorer	Go to the desktop
Gobang	Gobang games
BoxMan	BoxMan games
Snake	Snake games
Nav path	Navigation path specified
Volume	Set Volume
Backlight	Set backlight brightness
Language	Set Language

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Language	Set Language

Datetime	Time and date settings
Sys info	Check the latest information
Bluetooth	Bluetooth setup operation

1.5 Parking sensors_Optional function

Please view in the user manual of Parking sensors.

1.6 Parking camera_Optional function

After the device runs on, it will display the reversing image when the car is changed into reverse. Click the upper left corner of your display can flip the image, click on the screen the lower right corner to the upside down image.

1.7 Digital video recording

When the device power on, the default display screen is GPS . Tap the key to switch GPS/DVR. Click the upper left corner of your display can flip the image, click on the screen the lower right corner to the upside down image.

1.7.1 Features

High-definition: Video Size can be set to high-definition HD 720P (1280x720/30FPS) or VGA (640x480/30FPS,).

Continuous recording without interruption:

The proprietary file format to reach without a break, do not reveal seconds continuous recording, and ensure not to miss any important scenes.

Automatic cycle coverage:

When the memory card is full, the new video clips will automatically overwrite the first image.

Easy to use: do not need complex setting, used for the first just want to date and time set, and then start the engine automatically recording, stop recording after shutdown.

Playback function: the movie itself has a display, you can preview the video screen and playback video clips.

MJPG video format: each screen in the film are independent and complete real images, not H.264 or MPEG4 predict calculated from the screen, you can provide evidence of the most convincing image.

Voice: support recording and playback.

Storage media: requires the use of high-speed TF card, support for 4 ~ 32GB, video uses a proprietary file format, please formatted the card before using.

1.7.2 Menu item define

Main Menu	**Sub Menu**	**Description**
Video Size	640 x 480	Set the video size
	1280 x 720	
Time Setup	YYYY/MM/DD	Set date and time
	HH:MM:SS	
Format	Yes	Format the TF card
	No	

TV Out	NTSC	Set the fomat of TV out
	PAL	
Audio Record	On	Set for recording audio
	Off	
Language	English	Set the language for menu
	繁體中文	
	简体中文	
Frequency	50Hz	Set the frequency of video
	60Hz	

1.7.3 System error message define

Error Message	**Description**	**Solution**
No Card	Dectect no card	Push in a card
Card Protected	Card is protected	Unlock and push in
Card Error	Error occur when reading or writingthecard	Replace a new one
Card size too small	Size is smaller than 4GB,so cann't record	Please use 4GB or larger
Card not formatted	Card is not formatted yet,so cann't record	Formot it firstly
Card size changed	Card size is changed,so cann't record	Please backup the data and format it.
Sensor FAIL	Sensor Initialize an exception occurs,so cann't record	Return to repair

Protec slot full	There is no room for more locked video	Unlock some in playback mode
No Video	No video	Just to record

1.8 Speed radar detecting*

Please ensure that there are no other obstacles (except the windshield) on the front of the radar receiver window.User can set parameters of the radar alarming on the setting screen. the software has built in the memory card (or local memory).If user use the replacementmemory card,please contact your dealer to authorize a new memory card ID to use. Before use the new version please operate that: Enter the route of \menu \ Settings \ navigation path, select the the P43_2.EXE in the memory card, double-click to save the path and exit.

Chapter II GPS

Various navigation mapping applications can be installed in the GPS navigator, which position the navigator via the satellite receiver and display it on the map. Set a destination, and the system will automatically work out the best path to help the user reach the destination safely and quickly.

2.1 Map

Due to transportation development, inconformity between products and real traffic information will occur a period after product release. Please drive according to road condition and abide by traffic regulations.

2.2 Navigation with Speed Radar Alarm

Tap

to enable navigation and detecting radar function.

Tap

to add current position as a alarm camera location, you can choose which the type of the alarm camera is in the next windows.

Tap

to delete the current position from the alarm location list.

Tap

to enter navigation map. Navigation paths are for reference only, and the user may decide whether to follow them.

Tap

to enter the setting menu, and set the value for speed radar detecting funtion.

Name	Icon	Explanation
Traffic Lighting		Traffice light Alarm on/ off
Camera Alarm		Camera Alarm on/ off
Spot		Display alarm tips on the upper left corner
		Display alarm tips on the upper rightcorner
		Display alarm tips on the lower left corner
		Display alarm tips on the lower right corner

		Preview
Speed of Silence		When car speed is smallar than the value, The alarm does not prompt
		Add the speed value
		Sub the speed value
Navi A		Select A as current excutived navi program, Navi A will display on title bar.
Navi B		Select B as current excutived navi program, Navi A will display on title bar.
Paths		Specify the path of navigation A, B, and C
Volume		Volume discrease
		Volume increase

Tap to set the navigation paths for A, B.

2.3 GPS signal.

High and crowded structures (such as inside of tunnels, space between high buildings, underground car parks and under viaducts), weather change or satellite signals turnoff may influence signal reception, resulting in positioning failure, inaccurate positioning, navigation failure or system function abnormity.

Different navigation maps may have different operation methods. Please follow instructions of corresponding navigation mapping applications.

[Note] Before using the GPS navigator, please purchase and install mapping applications and appoint file paths.

Chapter III Interface and Operation

3.1 Music Player

Tap

in the system main interface to enter the **music** interface as shown below.

Icon	Name	Explanation
	Close	Close the music player.
	Minimize	Minimize the music player and return to the **Media** interface.
	Play	Continue playing the paused/ stopped music.

	Pause	Pause the music being played.
	Stop	Stop the music being played.
	Set play sequence	Select sequence, random or cycle play.
	Previous	Play the previous music.
	Next	Play the next music.
	Volume	Drag it leftward to turn down or rightward to turn up the volume.
	Progress	Drag it leftward or rightward to play from a previous or future moment.
	Music list	Enter it to select music to play.
	Time	Display the run time.
	Equalizer	Enter the equalizer.

Tap in the interface **Music Play** to enter the **Music list** shown as below.

Icon	Name	Explanation
	Close	Close the **Music List**
	Scroll bar	Drag it upward/ downward to view all music.
	Add one	Add a piece of music on the left list to the play list on the right.
	Add all	Add all the music on the left list to the play list on the right.
	Delete one	Select one piece of music in the play list and tap the icon to delete it.
	Delete all	Delete all the music in the play list.

3.2 Movie Player

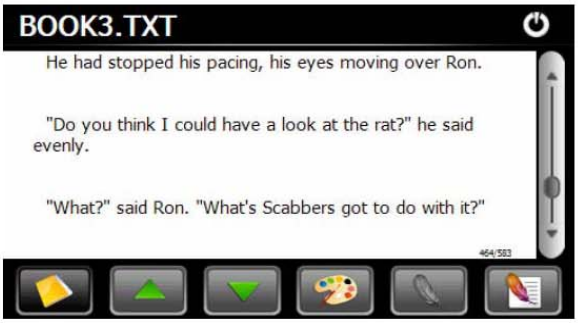
Tap in the video player interface shown as below.、

Icon	Name	Explanation
	Close	Close the video player.
	Previous film	Play the previous film.
	Play	Continue playing the paused/ stopped music.
	Next film	Play the next film.
	Stop	Stop the film being played.
	Video folder	Enter it to select a film to play.

	Scroll bar	Drag the sliding block upward/ downward to view all the files inside the folder.
	Film name& format	Film name and its format

3.3 E-book Reader

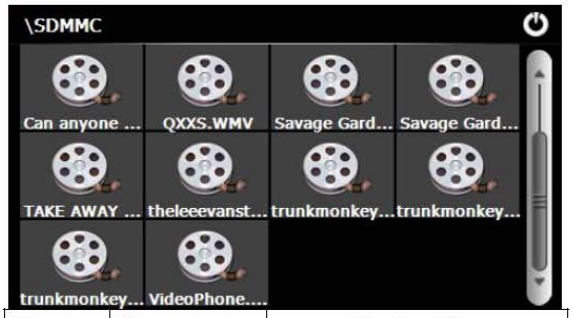
Tap in the **Media** interface to enter the reader interface shown as below.



Icon	Name	Explanation
	File name& format	Current file name and format.
	Close	Close the reader.

	Progress	Drag the sliding block leftward to play from a previous moment or rightward coming moment.
	Volume	Drag it leftward to turn down or rightward to turn up the volume.
	Time	Display the play time and the music duration.

Tap in the **Video Player** interface to enter the video folder shown as below.



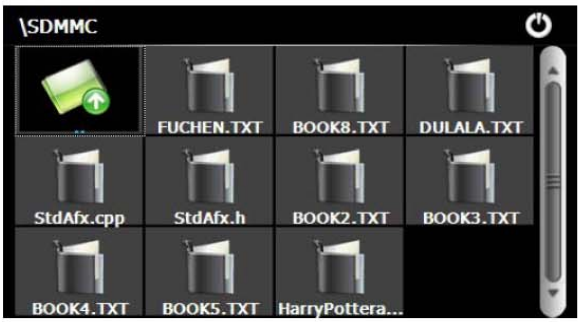
Icon	Name	Explanation
	Close	Close the video folder.

	Scroll bar	Drag the sliding block upward/ downward to view all content of the e-book.
	Folder	Enter the e-book folder to select an e-book to read.
	Previous	Read the previous page.
	Next	Read the next page.
	Setting	Select a text theme, font, word size and bold type.
	New bookmark	Select partial text and tap the icon to create a bookmark.
	Bookmark list	Enter the bookmark list to select or delete a bookmark.
	Page/ total pages	Current page/ total pages

Tap in the e-book reader interface to enter the setting interface shown as below.

Icon	Name	Explanation
	Close	Exit the setting interface
	Save	Save the setting.
	Theme	Tap to select a theme for the e-book.
	Font	Tap to select a font for the e-book.
	Bold	Tap to enable bold type. Tap it again to cancel.

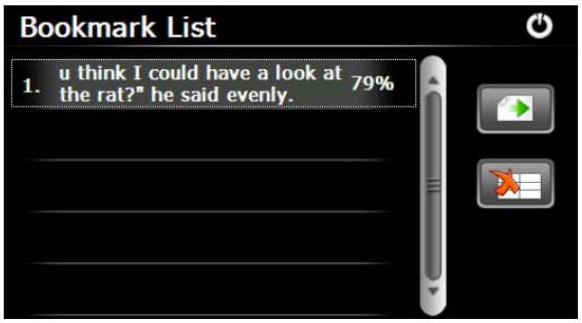
Tap in the e-book reader interface to enter the e-book folder shown as below.



Icon	Name	Explanation
	Close	Close current folder.
	Return	Return to the previous folder.
	Scroll bar	Drag the sliding block upward/ downward to view all TXT files.
	File name& format	The file name and format.

To create a bookmark, locate a page by taping or or dragging the scroll bar in the reader interface and drag to select text content. Tap when it is on. Tap **OK** to finish.

Tap to view created bookmarks in the interface of **Bookmark List** shown as below.



Drag the scroll bar and select a bookmark on the left list. Tap to go to the page with the bookmark or tap to delete the bookmark.

3.4 Flash player

Tap in the Flash player interface shown as below.

3.5 Wallpaper

Tap in the Wallpaper interface shown as below.

3.6 FM

Tap in the FM interface shown as below.

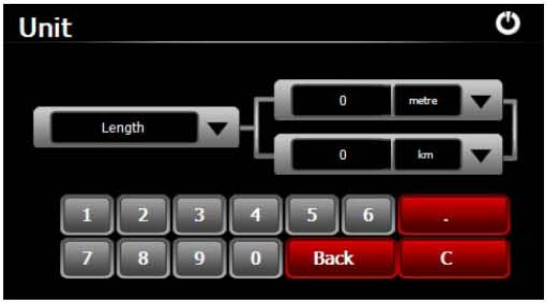
	Close	Exit the FM Setting.
	Save	Save current setting.
Use FM	Use FM	Tick in the box to enable FM function.
	Frequency	Drag the slide block rightward (or tap +) to increase the frequency and leftward (or tap −) to reduce the frequency. The frequency range is 88.00 Mhz-108.00 Mhz.

3.7 Calculator

Tap Calculator in the Calculator interface shown as below.

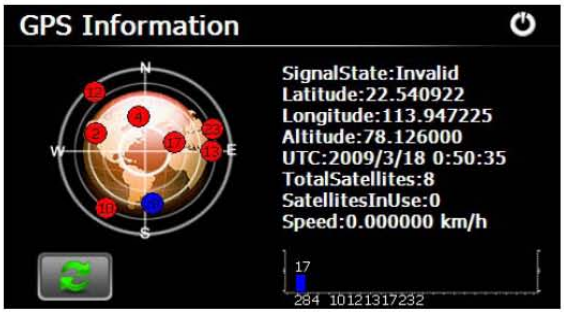
3.8 Unit

Tap Unit in the Unit interface shown as below.



3.9 GPS info

Tap GPS Info in the GPS info interface shown as below.

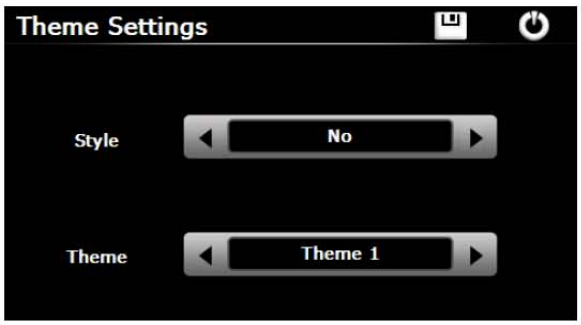


Tap to prompt a dialog as below.

Tap **OK** to reset the GPS satellite or tap **Cancel** to exit.

3.10 Theme

Tap Theme in the Theme interface shown as below.



3.11 Photo Browser

Tap Photo in the photo browser interface shown as below.

Icon	Name	Explanation
	Previous	View the preview photo in the folder.
	Next	View the next photo in the folder.
	Zoom in	Scale up current photo.
	Zoom out	Scale down current photo.
	Rotate	Rotate current photo 90°clockwise.
	Auto play	Cycle play all the photos in the folder from current photo.
	Folder	Enter the photo folder to select a photo.
	Close	Close the browser and return to the **Media** interface.

Tap in the browser interface to enter the photo folder shown as below.

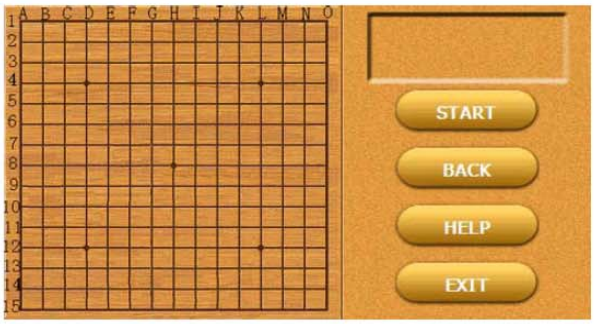
Icon	Name	Explanation
	Close	Close the current folder.
	Return	Return to the previous folder.
	Scroll bar	Drag the sliding block to view all the photos.

3.12 Explore

Tap in the Explore interface shown as below.

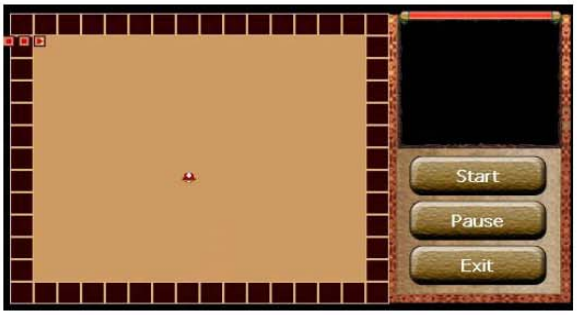
3.13 Gobang

Tap in the Gobang interface shown as below.



3.14 Snake

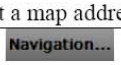
Tap in the Snake interface shown as below.



3.15 Nav path

Tap in the photo browser interface shown as below.

Select a map address and tap to save the setting.

	Tap to select a map address.
	Tick in the box to run the set navigation map when the navigator is powered on.

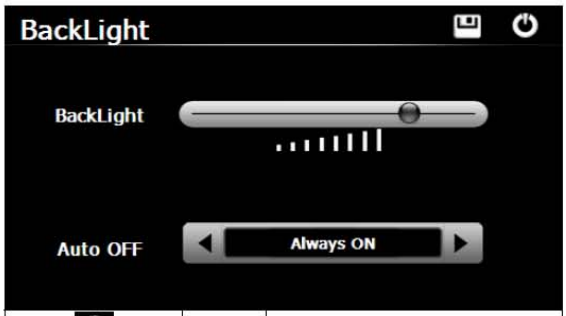
3.16 Volume

Tap in the photo browser interface shown as below.

	Close	Exit the volume setting.
	Volume	Ten volume grades (from mute to maximum) available. Tap to decrease the volume by grade.
	Sounds for taps	Tap it to enable the function. Tap it again to disable the function.
	Power-on music	Tap or to select power-on music or disable it.

3.17 Backlight

Tap in the photo browser interface shown as below.



	Close	Exit the backlight setting.
	Backlight	Drag leftward to turn down or rightward to turn up the backlight.
	Auto off	Auto backlight shutoff after service stop for a period. The options are always On, 10s, 30s, 1m, 2m and 3m. Tap or to view the options in cycle or select one.

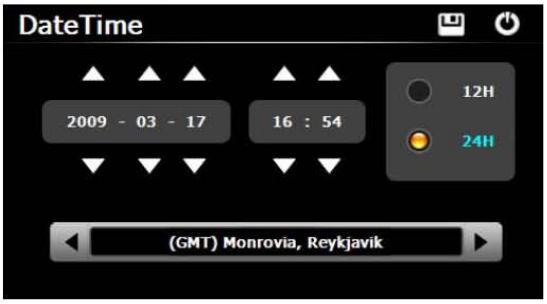
3.18 Language

Tap in the photo browser interface shown as below.

Tap or to select a system language and tap to save the selection.

3.19 Date time

Tap in the photo browser interface shown as below.



Setting the system date and time

In the above interface, tap or to set the year, month, day, hour and minute.

[Note]: Time format options are 12-hour and 24-hour.

Setting the system time zone

In the above interface, tap or to select a time zone. For example, select "(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi" for China.

3.20 Sys info

Tap in the photo browser interface shown as below.

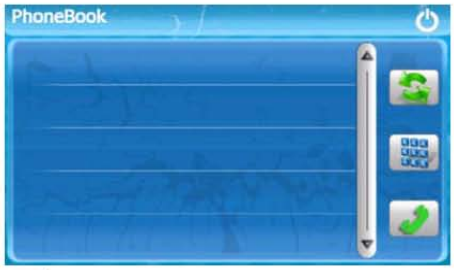
3.21 Bluetooth

Tap in the Bluetooth interface shown as below.

Tap "search" in the Search interface shown as below.

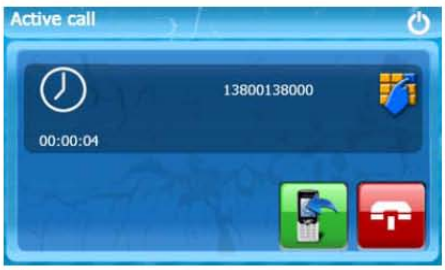
Tap in the To connect a Bluetooth interface

Tap in the PhoneBook interface shown as below.



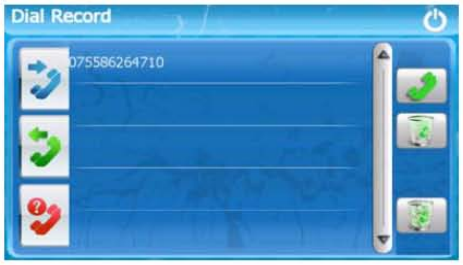
Tap Click interface for access to the phone the following figure shown.

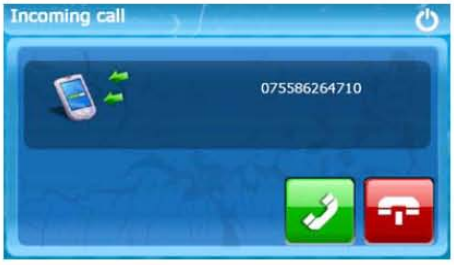
Tap outgoing call



Tap Phone Keyboard

Tap Phone Keyboard and incoming call





Tap Keyboard

Tap Visit the website

Tap Select the network state

Tap Selection asked whether using a mobile phone to access the network, Select "Yes", then as shown.

Tap Bluetooth settings

Click on the icon

Click on the icon , and disconnected

Click on the icon , to access music

FCC Information and Copyright

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,
uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference
to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does
cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is
encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.