Welcome

Thanks for using the MT-4302. With navigation as the major function, it supports audio play, video play, photo browsing, e-book reading.

✓ MSTAR 2531 CPU with high performance and low power consumption

✓ Friendly user interface for simple operation

✓ Power management for longer and more stable operation

✓ Data transmission with computers via Mini USB

✓ Quality reception for accurate positioning and satisfactory navigation service

✓ Leisure partner with audio/video/amusement functions

You may use the GPS navigator anytime anywhere, for example while driving motorcycle or car, walking or cycling. Its navigation and amusement functions will enrich your life and work!

To fully exert the functions of MT-4302 and to understand the operation details, please read the manual carefully.

Chapter I Beginning Use

This chapter introduces the appearance, components and basic operations of GPS MT-4302.

1.1 Appearance

1. Package

The packing box contains the following accessories, please confirm:

1. GPS navigator	2. Charger
3. Bracket and cradle	4.MINI USB cable 5.User's manual

For the items listed above, please confirm the actual products. If any damage, please contact with the distributor or the agent as soon as possible.
Please read this user's manual carefully to be familiar with all the operation details and to make the GPS navigator performs well.

2. Introduction
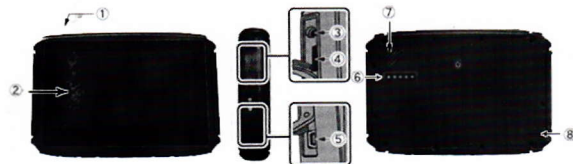
1.Power button	Turn on/off the GPS navigator
2.Touch screen	4.3" TFT display with touch screen
3. Stereo jack	3.5mm Stereo Jack
4. TF card slot	Support TF card up to 8GB.
5. USB hole	USB Client 2.0, MINI USB port
6. Charge nuts	Connect with the power
7.the hole of loudspeaker	The hole of loudspeaker
8. Reset hole	Reset

*The method of installation of the TF card
Insert the TF card face upward
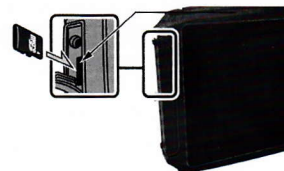
3. Specification

CPU	MSTAR MSB2531
Memory	128MB DDRⅡ, 8GB Flash
LCD display	4.3" TFT LCD display, Resolution :480RGB(H)x272(V)
Touch-screen	High-accuracy, endurable touch-screen
USB	USB Client 2.0, MINI USB port
TF	TF slot, Support TF card up to 8GB.
Audio	A: Built-in high fidelity speaker　B: High fidelity stereo earphone
GPS	Cold start<42s;　　Hot start<3s(in the open area);　　Warm start<36s
Battery	Built-in rechargeable Li-battery
Battery Charging port	DC 5V port

AC Charger	100/230V charger, 5V / 1.5A
Car Charger	DC9-24V, 5V / 1.5A
Operating System	Microsoft Windows CE 6.0
Navigation Software	The Third Party
FM Transmitter	Professional Grade Performance: SNR ≥ 60 dB Stereo Separation > 40 dB Frequency reconcilable extension 88MHz~108MHz Frequency step： 50KHz
Video Player	ASF,AVI,WMV,3GP,MP4,FLV；
Audio Player	MP3 and WMA
Photo viewer	E-Album, JPG, GIF, BMP, PNG
EBook Viewer	TXT
System setting	[Screen adjustment] [Default set] [Volume] [Power] [Backlight] [Time and Date] [Language] [Sys Info]
Temperature	Operating Temperature ： 0℃ to 60℃ Storage Temperature ： -20℃ to 60℃
Working humidity range	45% to 80%RH
Storage humidity range	30% to 90%RH
Atmospheric pressure	86KPa to 106KPa

2. Power supply and charge

2.1 Power supply

There are three types of supplying power: battery, adaptor, USB cable. GPS navigator uses the Li-battery to supply power when it is not connected with adaptor. The mark [▨] on the up right of interface indicate the current electric volume.

◆ GPS navigator uses the external power when it is connected with the motorcycle.

◆ GPS navigator uses the USB cable to supply power when the GPS connects

to the PC.

【Remark】This machine adopt built-in, unchangeable Lithium battery. At normal condition (if the back light is not so bright), the actual supply hour can be different because of the different way using the navigator. Some function (audio playing, video playing, bright back light) will consume a large power, which will reduce the using hour.

【Note】 This machine adopts built-in, unchangeable Lithium battery. In order to avoid fire and burning, please do not poke, bump or take it apart or throw it into fire.

2.2 Use the car charger to supply power

◆ Connect the DC part with the motorcycle, the red line is connected with ignition switch and the black line is connected with the negative pole, when you turn on the motorcycle, the GPS navigator will turn on automatically.

◆The other part connect to the power socket, it supplies power while charging.

2.3 Power on/off

3.1 Power on

Please check: The battery is enough, or it is connected to external power source;

【Note】 If bring the unit form one place to another place, please boot until it adapts to the environment. Big humidity fluctuation will make the mainframe short circuited.

3.2 Power off

Press the button on the top of the unit to turn off, the unit will enter the power saving mode and maintain the last operation status when boot next time.

1.3 Basic Use
1.3.1 Powering on/off & Sleep
2.3.1.1 Powering on
Press the power key on the top side of the GPS navigator for at least two seconds to power it on.

2.3.1.2. Powering off & Sleep

Long press the power key to power off the GPS navigator. The following interface will be prompted. If ▭ is selected, the navigator will automatically resume the state before entering sleep mode when powered on again.

Do you want power off ?

Power Off   Sleep   Cancel

1.3.2 Restarting the System

When the system does not response, press the reset key on the back of the GPS navigator to restart the system.

[Relevant Information] The following situations might lead to no response of the system.

1. Delay or stagnancy in interface switching;

2. Failure of function activation with overlong execution;

3. Failure to power on/off the GPS navigator by pressing the power key

[Note] Restarting the system by pressing the reset key will result in loss of unsaved data. Please backup your data regularly.

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 corresponding slot.

[Note]

　　1. Do not take out the T-FLASH 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. Avoid using or storing the T-FLASH card in high temperature, high humidity

or direct sunlight. Keep the card away from liquid or corrosive substance.

4. 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

Long press the power key on the top side of the GPS navigator to enter the system main interface shown below.

23 03

GPS
Navigation   FM   BlueTooth
Games   Multimedia   Tools   Settings

UI 1

Navigation   FM   Bluetooth
Games   Multimedia   Tools   Settings

UI 2

Function	Explanation
GPS	Tap to enable navigation function
Multimedia	WMA9 and WAV files supported;
	Random, sequence and cycle play supported
FM	FM Transmitter
Calculator	Units can be calculated
Gps info	Recorded signal
Photo browser	JPG，GIF，BMP and PNG files supported;
	Photo rotation, zoom in/out and auto play supported
Explorer	Go to the desktop
Games	Play games
Nav path	Navigation path specified
Volume	Set Volume
Backlight	Set backlight brightness
Language	Set Language
Datetime	Time and date settings
Calibration	Calibration
Factoty	Factoty
Sys info	Check the latest information
USB	Set the USB function
Bluetooth	Bluetooth setup operation

The main functions are listed as below.

Chapter II GPS

Various navigation mapping applications can be installed in the GPS navigator, such as CARELAND and RITU intelligent navigation systems, 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

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

2.3 Reception

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 abnormal.

With stereoscopic maps, instant animation, voice prompt and text prompt of the navigation system, you will appreciate its unique charm and enjoy a great trip.

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. For setting methods please refer to 6.10 Setting Navigation Path.

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.
01:51	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 Movie Player 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.
▭	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.
00:00:00/00:00:30	Time	Display the play time and the music duration.

Tap ▪ in the **Video Player** interface to enter the video folder shown as below.
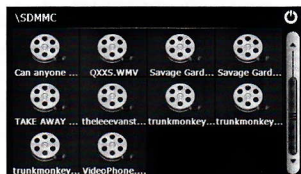
Icon	Name	Explanation
⏻	Close	Close the video folder.
▯	Scroll bar	Drag the sliding block upward/ downward to view all the files inside the folder.
QXXS.WMV	Film name & format	Film name and its format

3.4 E-book Reader

Tap **EBook** in the **Media** interface to enter the reader interface shown as below.
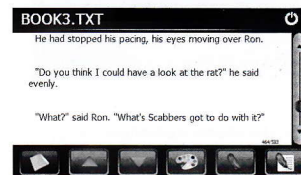
Icon	Name	Explanation
FUCHEN.TXT	File name& format	Current file name and format.
⏻	Close	Close the reader.
▯	Scroll bar	Drag the sliding block upward/ downward to view all content of the e-book.
▪	Folder	Enter the e-book folder to select an e-book to read.
▪	Previous	Read the previous page.
▪	Next	Read 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.
1/206	Page/ total pages	Current page/ total pages

Tap 🔲 in the e-book reader interface to enter the setting interface shown as below.
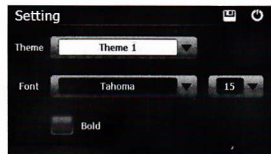
Icon	Name	Explanation
⏻	Close	Exit the setting interface
💾	Save	Save the setting.
Theme	Theme	Tap ▣ to select a theme for the e-book.
Font	Font	Tap ▣ to select a font for the e-book.
Bold	Bold	Tap to enable bold type. Tap it again to cancel.

Tap 🔲 in the e-book reader interface to enter the e-book folder shown as below.
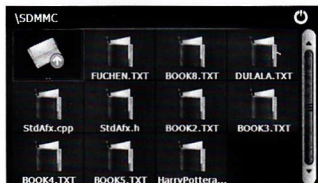
Icon	Name	Explanation
⏻	Close	Close current folder.
▣	Return	Return to the previous folder.

▯	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.

3.5 Flash player

Tap 🔲 in the Flash player interface shown as below.

3.8 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	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.

3.9 Calculator

Tap in the Calculator interface shown as below.

3.10 Unit

Tap in the Unit interface shown as below.

3.12 GPS info

Tap in the GPS info interface shown as below.
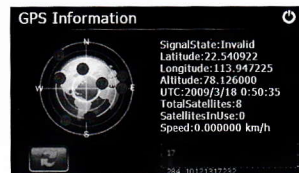
Tap to prompt a dialog as below.

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

3.14 Photo Browser

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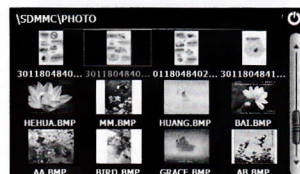
Icon	Name	Explanation
	Close	Close the current folder.
	Return	Return to the previous folder.
	Scroll bar	Drag the sliding block to view all the photos.

3.15 Explore

Tap DeskTop in the Explore interface shown as below.
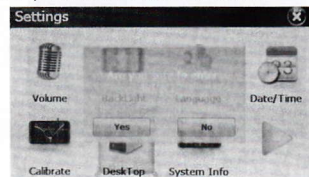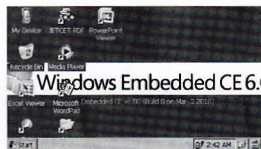
3.16 Gobang

Tap [Gobang] in the Gobang interface shown as below.
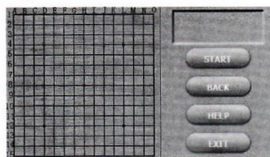
3.18 Snake

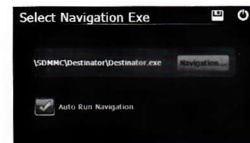Tap [icon] in the Snake interface shown as below.

3.19 Nav path

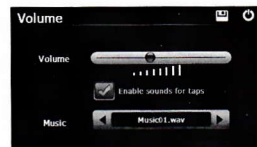Tap [icon] in the photo browser interface shown as below.

Select a map address and tap [icon] to save the setting.

[navigation]	Tap to select a map address.
[Auto Run Navigation]	Tick in the box to run the set navigation map when the navigator is powered on.

3.20 Volume

Tap [Volume] in the photo browser interface shown as below.

[power icon]	Close	Exit the volume setting.
[volume bar]	Volume	Ten volume grades (from mute to maximum) available. Tap to decrease the volume by grade.
[Enable sounds for taps]	Sounds for taps	Tap it to enable the function. Tap it again to disable the function.
[Music01.wav]	Power-on music	Tap [◄] or [►] to select power-on music or disable it.

3.21 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.
Always On	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.

3.22 Language

Tap in the photo browser interface shown as below.
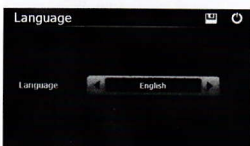
Tap ◄ or ► to select a system language and tap 💾 to save the selection.

3.23 Date time

Tap in the photo browser interface shown as below.
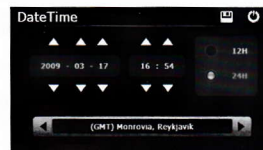
Setting the system date and time

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

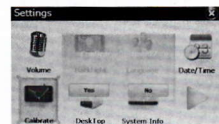[Note]: Time format options are 12-hour and 24-hour.

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.

3.24 Calibration

Tap Calibrate in the photo browser interface shown as below.

Tap **yes** to execute calibration or **no** to cancel calibration and go back to the
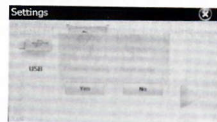
setting interface.

Tap **no**, and the following calibration interface is prompted. Click the center of cross cursor with the touch pen and the cursor shifts from the center, upper left, lower left, upper right and lower right to finish the calibration and the interface will be closed automatically to go back to the setting interface.
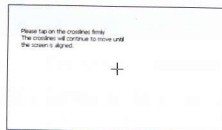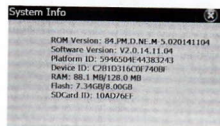

3.25 Factory

Tap in the photo browser interface shown as below.

3.26 Sys info

Tap in the photo browser interface shown as below.

3.27 USB

Tap in the photo browser interface shown as below.

6.9 USB Setting

Connect the GPS navigator to PC via the MINI USB port to transmit data, or back up data from the navigator data to PC.

The GPS navigator provides MASS STORAGE and MS STORAGE modes. Select one in the USB setting.

6.9.1 MASS STORAGE

1. Have the GPS navigator in operation status and the SD card plugged in the slot;

2. Tap in the setting interface to enter **USB Option** as shown below.
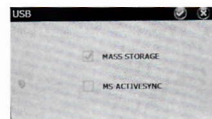
Select **MASS STORAGE** and tap to save it.

3. Connect the MINI USB terminal of the USB cord to the MINI USB port of the GPS navigator and the standard USB terminal to the USB Host port of PC. Then, the navigator stop the current program and switch to the following interface.
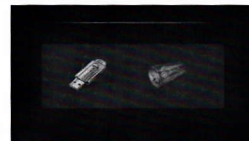
4. Select ▣ to connect the GPS navigator to PC. The PC will recognize the navigator and prompt the following interface.

You may select ▣ to enter USB charging mode and the system main interface

5. After communication, unplug the MINI USB cable.

6.9.2 MS ACTIVESYNC

1. Tap ▣ in the setting interface to enter **USB Option** as shown below.

Select **MASS ACTIVESYNC** and tap ▣ to save the setting.

2. Install the application **Mobile Device** in a drive of PC. Then the following icon will appear in the drive selection.

Mobile Device

3. Connect the MINI USB terminal of the USB cable to the MINI USB port of the GPS navigator and the standard USB terminal to the USB Host port of PC.

4. After the PC finds new hardware, double click the Mobile Device drive in the selection area to enter the memory of GPS navigator for data transmission.

5. After transmission, unplug the USB cable.

[Attention] For data safety back up the navigator data

[Note] If MASS STORAGE is selected while the GPS navigator is connected with PC, other operations will be suspended.

[Attention] The following operations will stop suspend the communication of the system and PC and unsaved data will be lost.

1. Unplugging the MINI USB cable;

2. Powering off the GPS navigator;

3. Resetting the system;

4. Tap the on close button on the top right.

6.9.3   Bluetooth

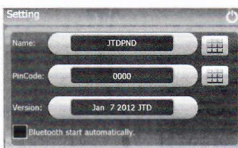Tap ▣ in the Bluetooth interface shown as below.

Tap ▣ in the Search interface shown as below.

Tap ✦ Bluetooth settings

Click on the icon ▦

Click on the icon ✎ , and disconnected

Click on the icon 🎧 , to access music

Chapter IV Troubleshooting

Please carry out the following operations in case of abnormal operation of the GPS navigator. For further problems, please contact our customer service center.

Fault	Reason	Solution
Startup failure	Low battery	Supply external power and charge the battery.
	System down	Reset the GPS navigator.
Sudden power cut	Low battery	Supply external power and charge the battery.
No/ vague display	Low backlight	Turn up the backlight.
	Backlight off	Tap the screen with the touch pan.
Incorrect tapping response	Touch screen not calibrated	Recalibrate the screen.
No sounds	Low volume	Turn up the volume.
	Poor contact of earphone	Connect the earphone.
Communication with PC	Poor USB connection	Connect the USB cable.
GPS signals reception failure	Poor GPS signal	About 3 minutes are needed for low intensity of local GPS satellite signal.
Loss of map data	Accidental deletion	Contact your agent or distributor. Input a new password after recovering the GPS data.