

Morbella

N50

5-inch GPS Navigator User's Manual



R06

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Before You Start

※ Precautions and Notices

- ※ **DO NOT ADJUST THE “NAVI PATH” UNDER “SETTINGS” UNLESS YOU NEED TO SWITCH IT TO OVERSEAS MAP.**
- ※ Use this product prudently. The product is designed to be use only as a navigation aid. It is not for precise measurement of direction, distance, location or topography.
- ※ The calculated route is for reference only. It is the user's responsibility to follow the traffic signs and local regulations along the roads.
- ※ When you get off the car, do not leave your device on the dashboard that is subject to direct sunlight. The overheating of the battery can cause malfunction and/or danger.
- ※ GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipments.
- ※ GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Tinted window, solar film or any form of sticker on the front windscreen will affect the performance of the GPS satellite reception. It will take slightly longer time than usual to fix your position.
- ※ A minimum of 4 GPS satellite signals is needed to determine current GPS position. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees and tall buildings).
- ※ GPS signal will be affected under bad weather condition.
- ※ A car holder is needed when using the device in a car. It is recommended that you place the device in an appropriate place, so as not to obstruct the driver's view, or deployment of airbags.
- ※ When battery run out, the device will automatically turn off the power. Kindly plug the cigarette car charger to power it up.

※ Overview

GPS Navigation Features

- ※ Preloaded with Galactio SLA (Singapore Land Authority) and Malaysia Maps provided by Malfreemaps (MFM).
- ※ GPS positioning
- ※ Optimal route calculation and trip plan
- ※ Friendly and efficient navigation with turn-by-turn, voice, and visual guidance
- ※ Fastest way for searching a location on the map for both Singapore and Malaysia under Quick Search
 - You may key in any of the alternatives here: Address/Postal Code/POI
 - Using the “globe” icon located at the bottom of the page to filter out unnecessary locations. (e.g. Selecting EAST area as your searching option and key in KFC, GPS will only list out all the KFC in the east area.)
 - Search using Malfreemaps (MFM) for a much more detail map in both West and East Malaysia. For example, You are looking for MAKA GPS Technologies Sdn. Bnd. in Malaysia. 8A Jalan Harmonium 23/13, Johor Bahru, Johor Malaysia 81100.
 - First, switch map to Malaysia/Singapore MFM. Under quick search, press on the “globe” icon to filter out the areas that are not required. Please take note, only street names can be found in the GPS. In this case, Jalan Harmonium 23/13 is the street name. Johor Bahru is the name of a city. And Johor is one of the state in Malaysia. Once, all of these are done, you may enter your street name.
 -

※ Various ways for searching a location on the map under Destination mode

- Using a known “Address” (e.g. Alexandra Road, Hougang Avenue 8, Jalan Bukit Bintang)
- Using POI (e.g. KFC, McDonalds, Holland Village, NEX Serangoon, and Takashimaya). You may use the “globe” icon at the bottom of the page to filter out unnecessary locations to minimize the time of searching.
- Using POI icon such “Restaurant”, “Building”, “Shopping” to locate the nearest point of interest near your current location.
- Using Favorites (personal stored locations)
- Using History (previous destinations)

※ **Please refer to “Galactio Instruction Manual” stored inside the SD card /or CD for a detail instruction on using the navigation software.**

※ Viewing modes for different needs and situations:

- 2D or 3D (3D Landmark and Junction View)
- Daytime or night-time view
- Turn-by-turn view of the route

Other Features

- ※ Audio Player
- ※ Photo Viewer
- ※ Movie Player
- ※ Calculator
- ※ Unit Converter
- ※ Game Player

About this Manual

This manual is divided into four major parts:

- ※ Part I “Basic Operations” tell you how to get your device running and customize system settings.
- ※ Part II “Media” introduces Music Player, Photo Viewer, Video Player, Bluetooth Communication and etc...
- ※ Part III “Maintenance and Troubleshooting”
- ※ Part IV “Service Centre Location”
- ※ How to use the navigation? Please refer to Navigation Manual found from either CD shown below (if available) or inside the SD card.



**Picture is for illustration only*

You may download our both hardware and software instruction manual from online @ www.makagps.com.sg > Support > Download Instruction Manual for Marbella and choose your Marbella model.

Part I. Basic Operations

Part I guides you through the process of getting your device running, familiarizes you with the external components, and tells you how to customize system settings

1. Getting Start

This chapter tells you step by step how to perform the initial start-up and introduces you to the external components of your device.

1.1 Understanding Hardware Features

The Marbella N50 5inch GPS Navigator equipped with the features as follows:

- ◆ High performance, low-power consumption MediaTek MT3351 CPU
- ◆ High performance memory RAM – 128MB DDRAM
- ◆ Embedded with internal 2GB NAND Internal Memory
- ◆ Simple and easy operate user interface
- ◆ SMART Power management: Smart Auto On/Off
- ◆ Additional Data storage is strongly recommended to use a Micro-SD card to ensure secure and fast data transmission.
- ◆ Excellent in receiving signal: accurate position fixing provides you the satisfied navigating service;
- ◆ Entertainment: MP3 and MP4 function can relieve your fatigue;

You can use it when driving, walking, riding, or waiting for a meeting; the perfect “GPS + entertainment” function can make your life and work more splendid.

1.2 Package

The packing box contains the following accessories, please contact Maka GPS Technologies if there is any missing of accessories mentioned below;

1. GPS navigator
2. Car charger
3. CD (Hardware and Software Instruction Manual found inside)
4. Car bracket / Window mounting
5. Stylus will be located at the back of the car bracket for Marbella N50 5inch GPS Navigator as shown below.



**Picture is for illustration only*

1.3 Connecting to Car Power and Charging the Battery

Connect the adapter cable to your device and plug into a car charging slot or charge the device via connecting AC adapter (optional) to Wall plug. When charging the battery for the first time, you should charge it for a couple of hours.

NOTE:

- Depending on your region of purchase, the connector converter may not look exactly the same as the picture shown.
 - Marbella N50 5inch GPS Navigator will automatically switch ON during charging.
1. If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.
 2. Standard battery life will last from 1 hour to 2 hours after a complete full charge. However, it is also depends on the Brightness of the screen, level of the volume and etc Please go to “Settings” under Backlight and adjust the backlight.
 3. Car charger is always an ideal tool to keep it standby with you just in case the battery goes out.

1.4 Using Your Device in a Vehicle

Using the Car Holder

※CAUTION:

1. Select an appropriate location for the car holder. Never place the holder where the driver's field of vision is blocked.
2. If the car's windshield is tinted with a reflective coating, an external antenna (optional) may be needed to route the antenna to the top of the car through a window. When closing the car window, be careful not to pinch the antenna cable. (Cars with an anti-jam window design may automatically leave adequate space as needed.)

NOTE: Depending upon the specific model purchased, the car holder supplied with your device may not look exactly the same as the picture shown.



**Picture is for illustration only*

Important Notes for Use in a Vehicle

- Take care that the holder does not present any risk to safety, even in the case of an accident, when installing it.
- Take care that the holder does not impede any safety components.
- The display of your navigation system may show “light re-flexions”. Please take care of not being “blinded” during operation.
- Do not mount the components within the operating range of any airbags.
- Check the secure adherence of the suction cup at regular intervals.
- The power plug will consume power, even if no device is connected. Remove it when not in use to avoid draining the battery.
- Check all safety equipment in your car after installation.

Connecting the Car Charger

The car charger supplies power to your device when you are using the device in a car.

※CAUTION : **To protect your device against sudden surges in current, connect the car charger only after the car engine has been started.**

NOTE: Depending upon the specific model purchased, the car holder supplied with your device may not look exactly the same as the picture

shown.

1. Connect one end of the car charger to the power connector of your device.
2. Connect the other end to the cigarette lighter in the car to power and charge your device and ensure that it will not lose contact while driving. This could cause a malfunction.



**Picture is for illustration only*

- **Hint:** Remove the car adapter from the cigarette lighter socket when ending a trip or when parking the car for an extended period of time (even parking for a couple of hours is advise to do so).

IMPORATANT CLAUSE

- The voltage of the car engine will normally shoot up very high after parking the car for a period of time (even a couple of hours). We strongly advise our customer to remove the car charger from their cigarette lighter after parking the vehicle or before switch on the engine. Such faults caused damage to Marbella GPS Navigator short circuited or any damages will be exempted from the warranty for such case.

2. Features & Specification

This chapter guides you through the process of using your device and familiarizes you with the basic operations such as using the stylus pen and navigation pad.

2.1 Main features

- ◆ Operating system: Microsoft Windows CE 6.0
- ◆ High performance, low-power consumption MediaTek MT3351 CPU
- ◆ High performance memory RAM – 128MB DDRAM
- ◆ Embedded with internal 2GB NAND Internal Memory
- ◆ 5" TFT LCD display with resolution of 480*272 pixels
- ◆ Hi-Fi stereo earphone and built-in Hi-Fi speaker, volume adjustable
- ◆ Button and touch-screen operation
- ◆ Built-in sensitive GPS antenna
- ◆ The navigating software is running in "INTERNAL" NAND flash
- ◆ Video format supported: ASF, AVI, WMV, 3GP, MP4, FLV
- ◆ Photo format supported: BMP, JPG, PNG
- ◆ E-book format supported : TXT
- ◆ MINI USB port
- ◆ Built-in rechargeable Li-battery which can be powered by travel and car charger.

2.2 Specification

CPU	MediaTek MT3351
RAM	128 MB DDR
LCD display	5" TFT LCD display, Resolution :480RGB(H)x272(V)
Touch-screen	High-accuracy, endurable touch-screen
USB	USB Client 2.0, MINI USB port
External Storage	Micro-SD/TF card slot , the maximum capacity of Micro-SD Card supported maximum up to 16GB
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
Car Charger	DC9-24V, 5V / 1.5A
Status of the LCD light	When charging, the red light is on; when charge finished, the blue light is on.
Operating System	Microsoft Windows CE 6.0
Navigation Software	Preloaded and Encrypted into Micro-SD Card
Video Player	ASF,AVI,WMV,3GP,MP4,FLV;
Audio Player	MP3 and WMA
Photo viewer	E-Album, JPG, GIF, BMP, PNG
EBook Viewer	TXT
Temperature	Operating Temperature : 0°C to 60°C Storage Temperature : -20°C to 60°C
Working humidity range	45% to 80%RH

3. Basic Function

3.1.1. Main menu



3-1

3.1.2 Function introduction

Navigation	Provide navigation service
Video player	Support ASF, AVI, WMV, 3GP, MP4 and FLV format. Support progress adjust, pause and full screen play
Photo viewer	Support JPG、BMP and PNG format. Support photo rotate, enlarge/shrink pictures, automatic play and so on
E-book	Text format: txt. Support page selection
Music	Audio playing format: WMA, MP3. Support random playing, sequential playing, repeat playing, pause, previous/next, volume
Game	7 Different Fun Games to keep you entertained
Setting	Brightness, Volume, Languages, Power, Time, System, Default, GPS Info, Navi-Path. Activation of FM Transmitter
Unit Tools	A useful application allow you convert unit measurement.

3.2 Navigation functions and features

Please refer to “Galactio Navigation Software User Guide” found inside the internal NAND Flash or **CD found inside the package**.



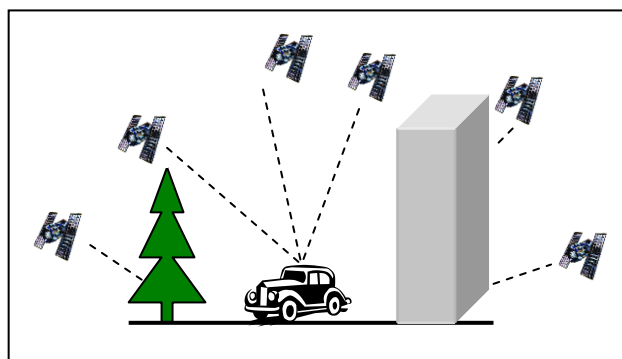
**Picture is for illustration only*

1. Navigation

The navigator offers the route for the reference; determine the route by yourself, the driver may be more familiar with the route than GPS navigator.

2. Receiving signal

Many factors such as high, dense buildings (in the tunnel, between the high building, underground parking, under the trestle), various weather condition, and closure of the satellite will affect the ability to receive signal so as to result in inaccurate position, inefficiency of navigation operation and system function.



Part II. Media

Part II introduces Music Player, Picture Viewer and Movie Player.

3.3 Audio player operation interface

This chapter introduces how to use the GPS video player to play your favorite music, and let it be your personal MP3.

3.3.1 Functions and features

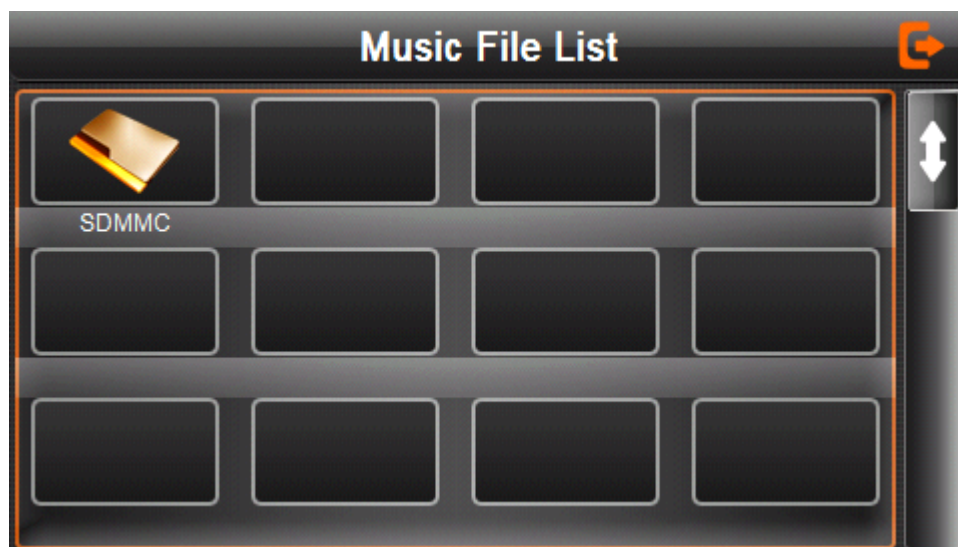
The audio player supports MP3 and WAV format, you could set the playing sequence as you wish.

Before using the audio player, please copy the files to any folder.

3.3.2 Operation method



1. Single click the button  to enter Music file list as 3-21



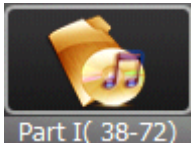


3-21

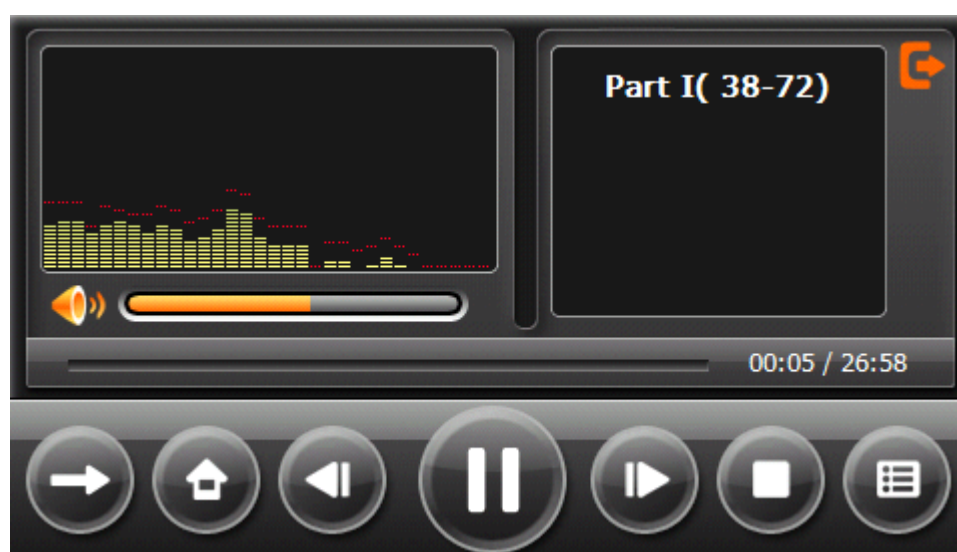


3-22






Function instruction

	Close	Close current file
	Last	Show last page
	next	Show next page;
	Song name	Show song name

Choose the song to enter the playing interface as 3-22



3-23

	Previous song	Play the previous song;
	Play/pause	To play and pause, single click to pause, click again to play continuously;
	Stop	Single click to stop playing;
	Next song	Play the next song;
	Volume	Adjust volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right.
	Close	Single click to close the audio player;
	Setting the playing mode	Support sequential playing, loop playing, repeat playing and random playing.
	Open the play list	Single click to display the play list, and choose your favorite as picture 3-22 shows;
	Playing progress	Adjust the progress by slide the progress-displaying bar; go left for backwards, go right for forwards;
Part I(38-72)	Song title	Show the song title
00:05	Time consumption	Show the time progress;
26:58	Total time	Show the total time for playing the song;
	Homepage	

3.4 Video operation Interface

This chapter introduced how to use the GPS video player.

3.4.1 Functions and features

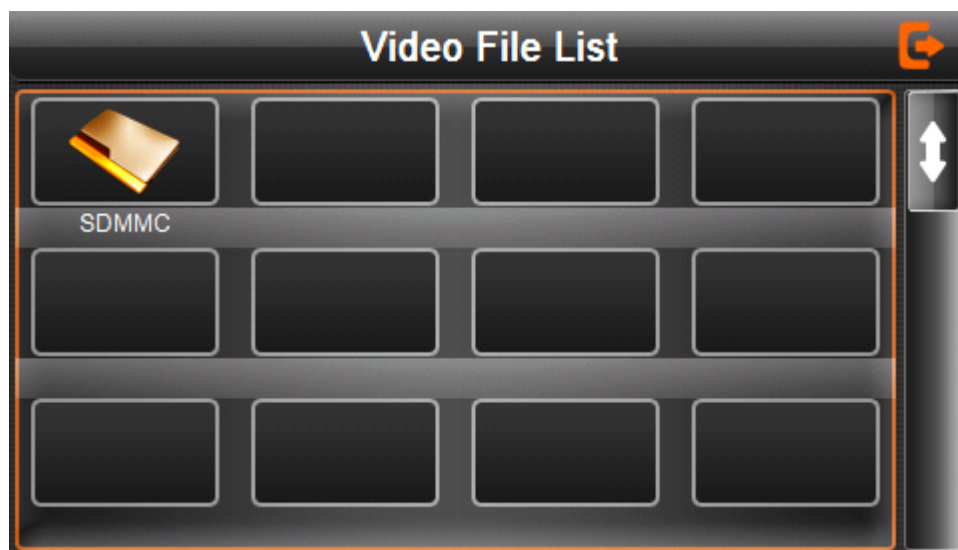
1. Support ASF, AVI, WMV, 3GP, MP4 and FLV
2. Support full-screen playing, progress choosing and file selection;

Before using the Video player, please copy your video file (ASF, AVI, WMV, 3GP, MP4 and FLV) to any folder.

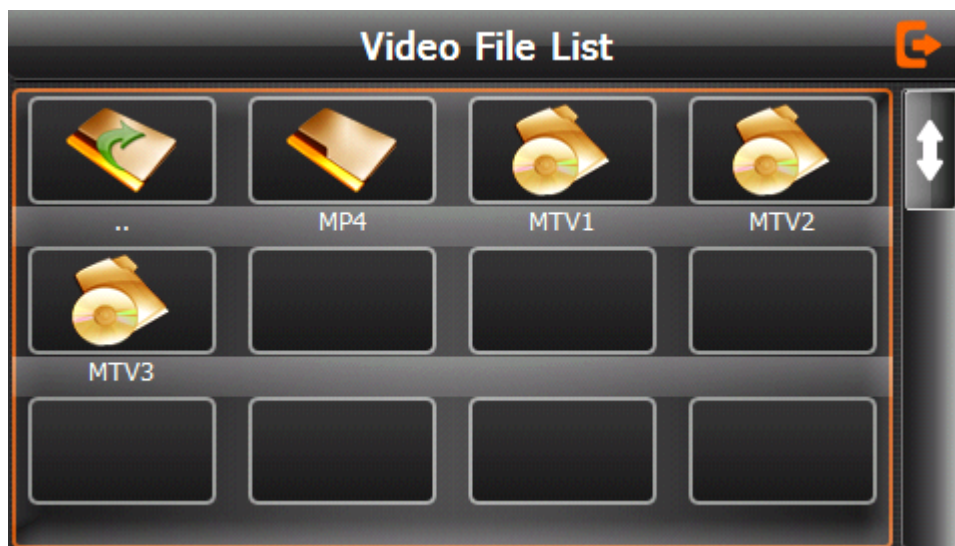
3.4.2 Operation





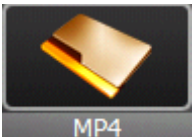

Single click the Video button to enter the video file list as the picture 3-24



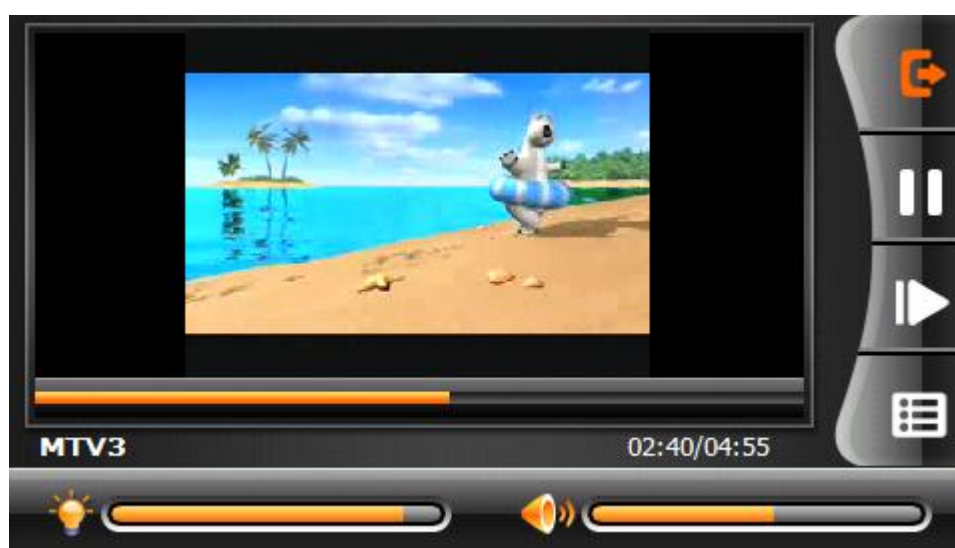
3-24










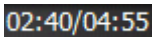


3-25

	Close	Single click to close current file.
	Last	Show last page
	next	Show next page
	Video folder name	Video folder name
	Video name	Show video name

Choose the video to enter the playing interface as 3-26



	Close	Click to close the video list;
	Play	It shows stop playing. Single click will continue to play.
	Next	Play next video.
	File list	Single click and shift to video file list, and then choose your favorite video.
	Volume	Single click volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right.
	Playing progress	Adjust the progress by slide the progress-displaying bar; go left for backwards, go right for forwards;
	Brightness adjust	Adjust brightness with stylus while moving toward left and right. Turn right means turn brighter.
	Play interface	Full screen play. Double click to return normal play status.
	Video name	Show current Video name
	Time	Show the time consumed / The total time of the video

3.5 Photo viewer operation interface


This chapter introduces how to use the photo viewer to browse pictures.

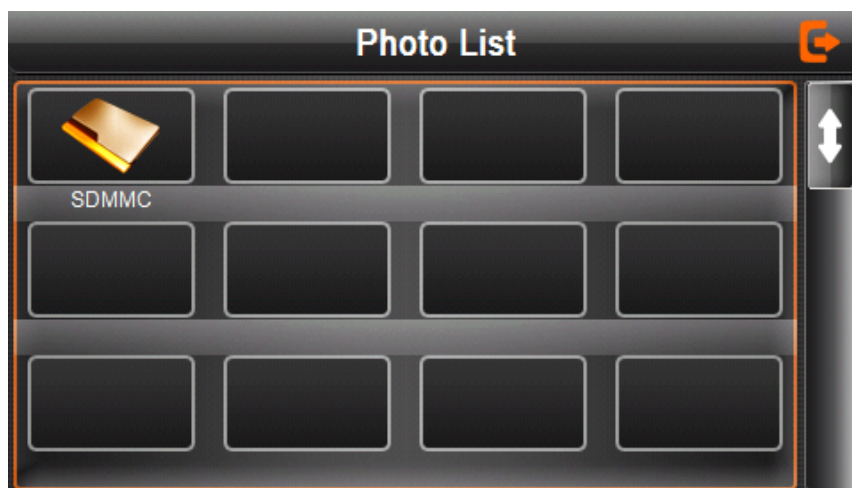
3.5.1 Function features:

1. Supports JPG、BMP and PNG
2. Support picture rotate, picture enlarge/shrink and automatic play.

Before using the photo viewer, please copy your photos to any folder.



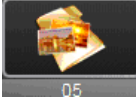
3.5.2 Operation method

1. Single click the button  to open the photo list as picture 3-27










3-27





	Close	Click to close the photo list;
	Last page	Show the last page
	Next page	Show the next page
	File	Single click to enter the photo file;

Choose the picture to enter play interface as 3-29



	Close	Click to close the viewer
	Shrink	Shrink current picture in proportion
	Enlarge	Enlarge current picture in proportion
	Previous	Show the previous picture
	Next	Show the next picture
	File list	Single click and shift to video file list, and then choose your favorite picture
	Rotate	Click to rotate the picture by 90 degree

	Automatic Play	Play all the pictures circularly on full screen from the current picture
	Photo name and format	Show the photo name and format

3.6 E-book reader interface and operation

This chapter introduces how to use GPS to read e-book.

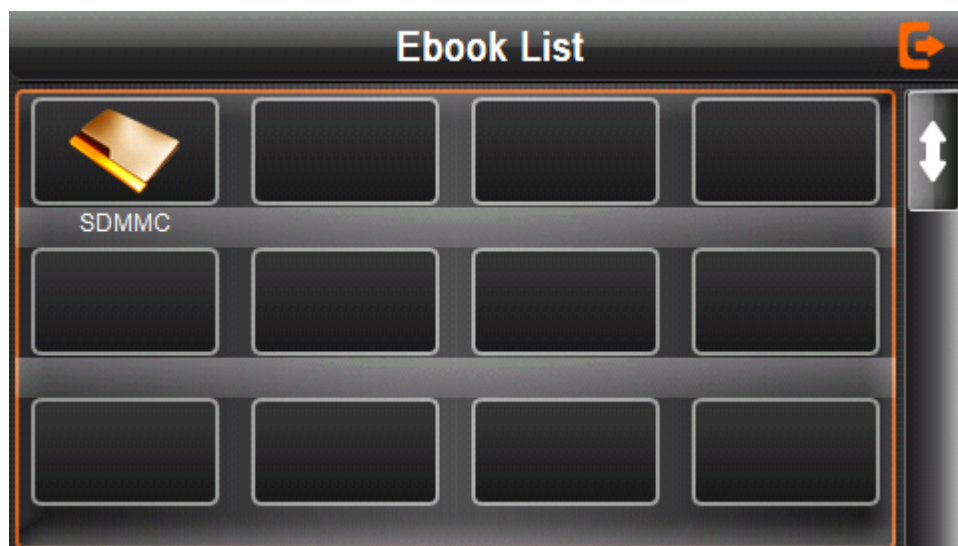
3.6.1 Function

1. Support TXT
 2. Support turning over page, page browse, and file choosing.
- Before using e-book function, please copy your TXT file and save it to any folder.

3.6.2 Operation






1. single click button **EBook** to enter Ebook list as 3-30



3-30











3-31

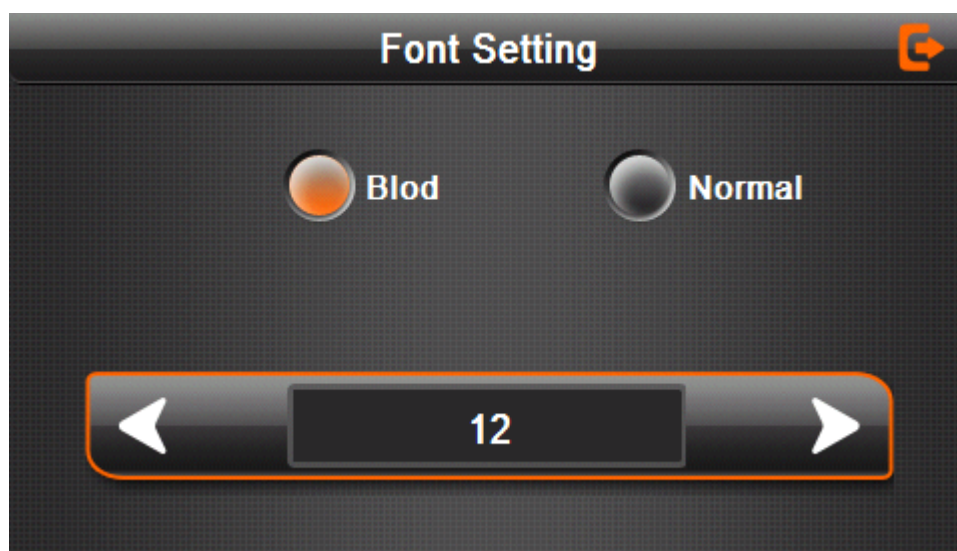
	Close	Click to close current file
	Last page	Show the last page;
	Next page	Show the next page;
	Name of file	Show name of file

2. Choose file name to enter e-book reader as 3-32


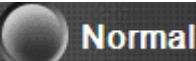





3-32

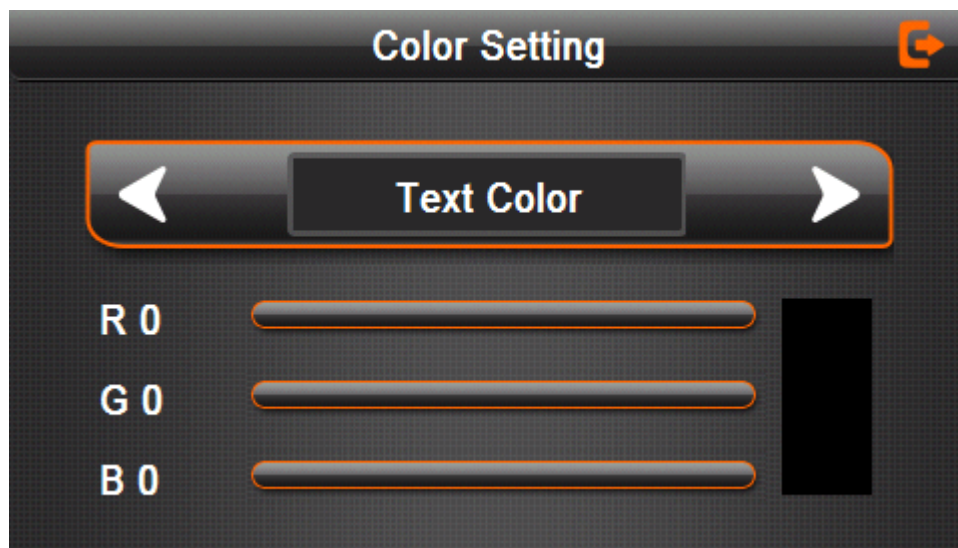
	Close	Single click and close e-book reader
	Last page	Read last page
	Next page	Read next page
	File	Single click to enter eBook list to choose favorite book
	Font set	As 3-33
	Color set	As 3-34
	Add book mark	It needs open e-book and choose TXT.
	Open book mark list	As 3-35




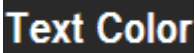



3-33 Font set interface

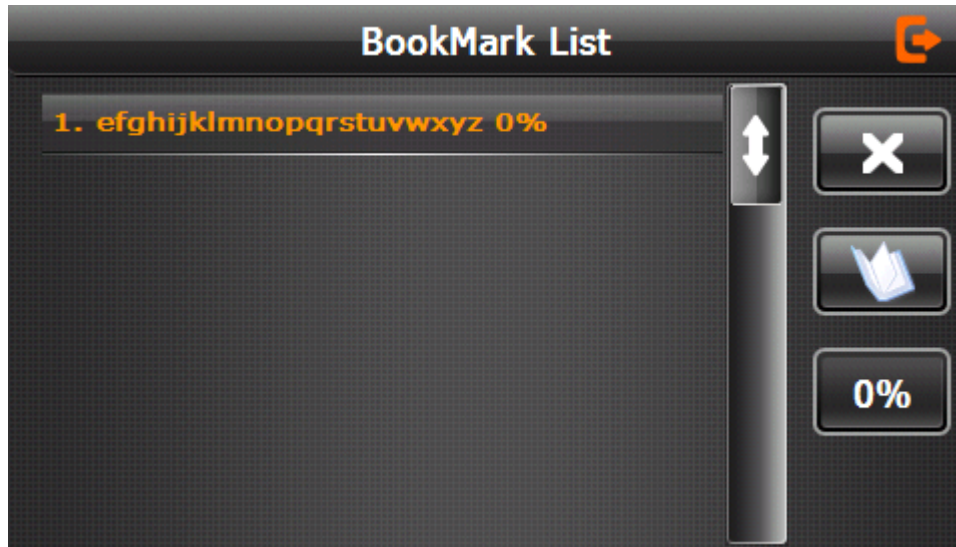
	Set font as bold
	Set font as normal
	Decrease font size

	Font size indicator
	Increase font size






3-34

	Set color RGB
	Choose background color, font color or set background color
	Choose background color, font color or set background color with reverse order or sequential order
	Color review
	Return to e-book homepage




3-35

efghijklmnopqrstuvwxyz 0%	Single click and choose book mark
	Return e-book interface
	Rolling book mark list
	Return e-book homepage.
0%	Showing current reading ratio

3.7 Game interface and operation




Single click  to choose different games as 3-36

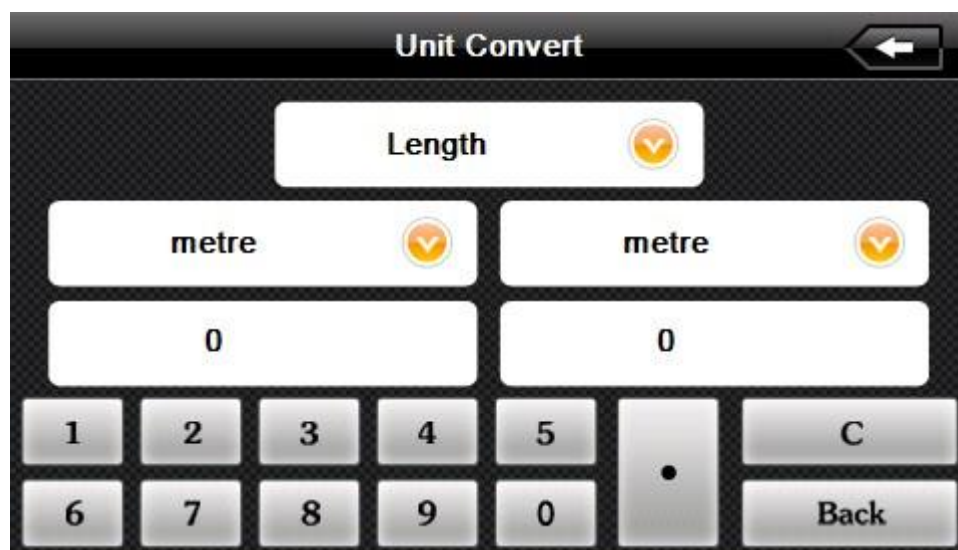


3-36

3.8 Tool




Single click  to choose different tools as 3-37



3-37

3.9 System setting Interface and operation









Click  to enter “Setting” menu, then you can set the relevant functions. There are backlights, volume, languages, time, calibration, system info and default etc.



※ We'd like to highlight the importance of **avoiding changing any command setting under “NAVI-PATH”** as it's often the cause of file corruption in the execution of Galactio Navigation Software.


This function icon cannot be remove as we have to ease the switching function for our customer travelling overseas as their Micro SD card might contain other country maps.

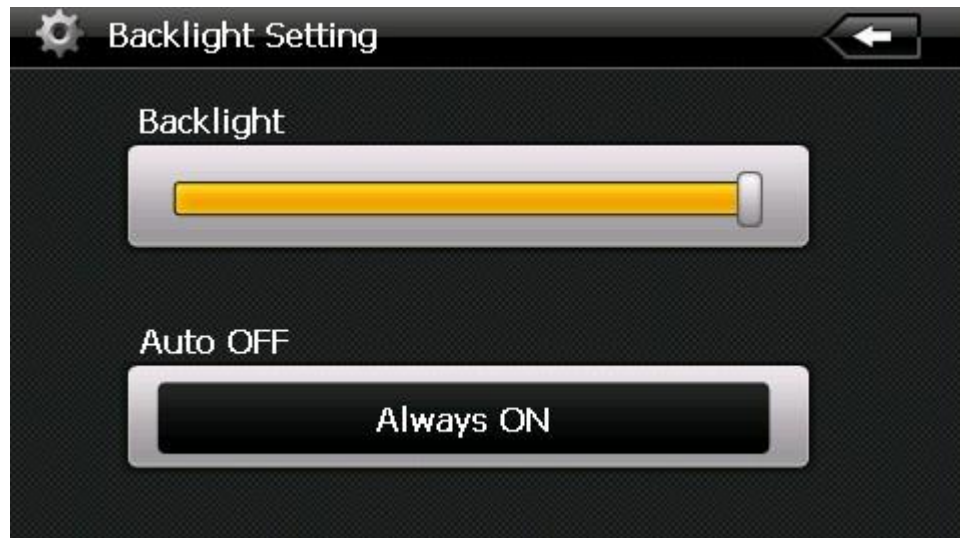
	Backlight	Adjust the screen backlight; Backlight turn off time interval under battery power supply Backlight turn off time interval under external power supply
---	-----------	---

 Volume	Volume	Adjust the volume; Turn on / off “screen click tone”
 Navi Path	Navigation path	Set navigation path
 Date Time	Time and date	Time set Date set Time zone set
 Calibration	Calibrate the screen	Calibrate the screen
 Language	Language	Select the language for the system
 USB	USB	Data Transfer
 RestoreSet	System info	Soft Reset Note all data or favorites locations will not be erased



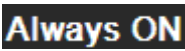
3.9.2 Backlight setting



Single click  to enter backlight setting interface as 3-98



3-39

	Close	Exit “backlight setting” interface;
	Density of Backlight	Slide bar up and down to decrease/increase backlight gradually
	Time interval	System backlight will be closed automatically when no operation for a period time to save power. There are several time interval choice for you: never, 3 min, 2min, 1min, 30second later, 10second later.




3.9.3 Volume adjust

“Volume adjustment” includes:

1. Speaker volume adjustment
2. “Screen click tone” setting



3-40

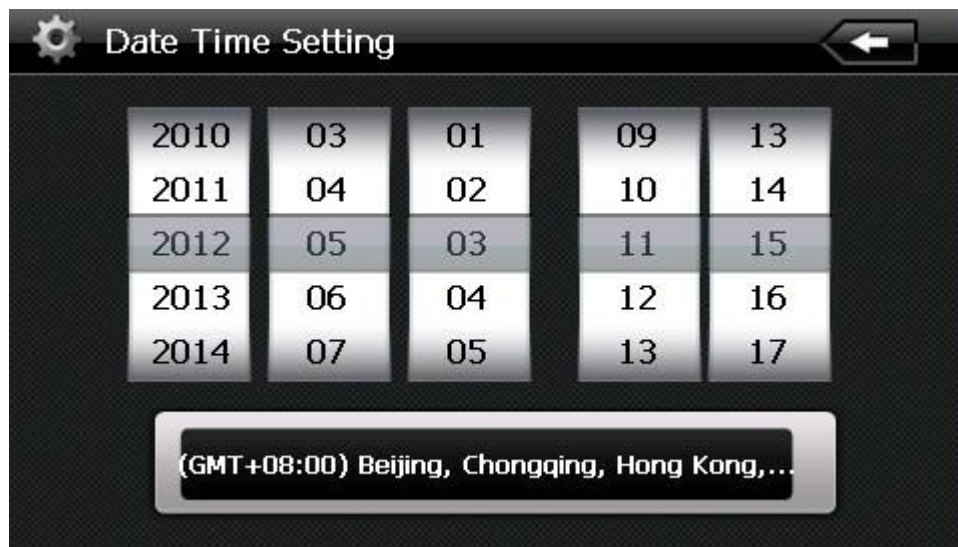
	Close	Exit “volume setting” interface;
	Volume +/-	Slide bar up and down to decrease/ increase volume gradually
	Screen Tap Sound	There are 3 options to choose from: OFF/ SOFT/ LOUD

3.9.4 Date and time setting:


Date and time include:

1. System time set;
2. System date set;
3. System time zone set.

*Please take note the date and time of GPS navigation software – Marbella N50 will make automatic time and date adjustment when your GPS is connected with the satellite. No manual adjustment is required.



3-43

1. Slide up and down to set time and date
2. Slide onto the timezone to choose time area
3. Click  to exit current interface after setting

3.9.5 Screen Calibration

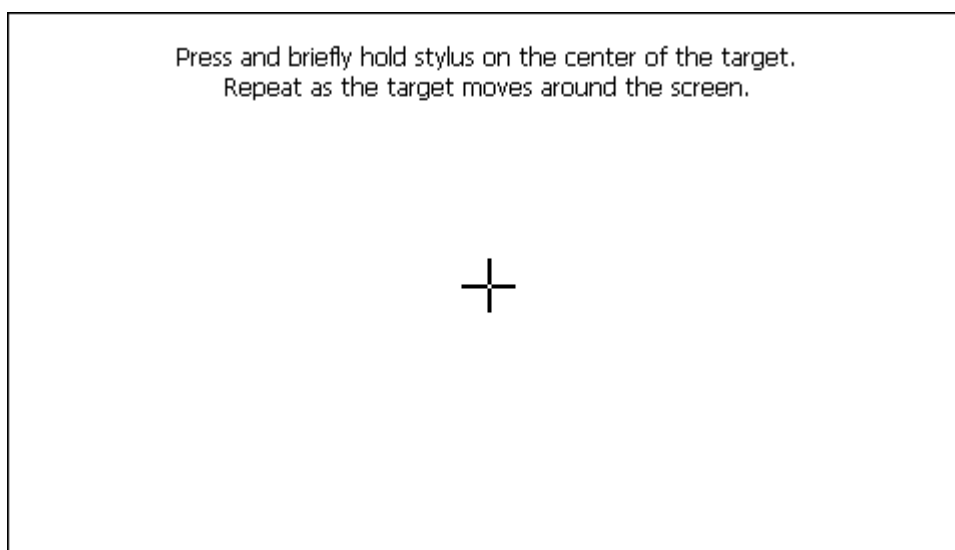


Click the **Calibration** to enter the screen calibration as 3-45



3-45

Click **YES** it will move from in the sequence of the center, left up, left down, right down and right up till the calibration succeed, then click any where on the screen to save the calibration and exit to the main interface automatically. If not save the information, please wait 30 seconds and it will exit from current interface automatically.



3-46

3.9.6 Language setting



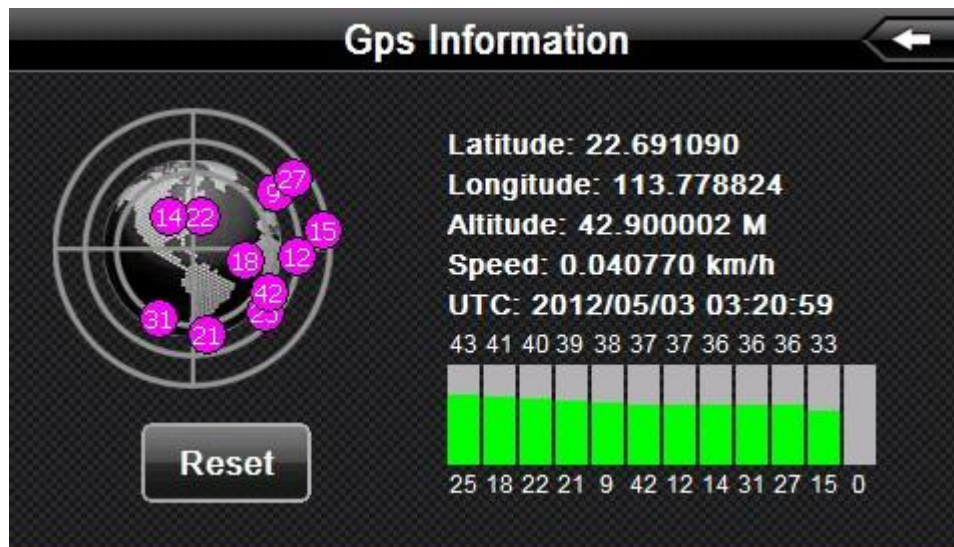
3-47

Single click your preferred language and then exit. This is the system language. Galactio software provides a wide selection of language in Malay, English, Simplify Chinese and Traditional Chinese. There are also wide selections of voice selection available under the navigation software.

3.9.7 GPS Information



Single click the button and enter GPS information interface as 3-49



3-49


3.9.8 System information

System information includes:

1. Firmware version;
2. APP version;
3. System ID.



3-50

	Exit system information
Rom Version	Show ROM version
APP Version	Show the APP version;
System ID	Show the system ID.

Part III. Troubleshooting

IF your GPS navigator cannot work normally, please check it as follows. If you cannot solve the problem, please contact our service center.

Reason	Reason	Solution
Can not turn on the navigator	Lack of power	Charge the battery
The device turn off suddenly	Low battery	Charge the battery
Can not display clearly	The back light is not bright enough	Adjust the backlight
	The back light has been turned off	Click the LCD; the screen will turn bright again.
No response when clicking the button	The touch-screen is not calibrated	Calibrate the touch-screen
Without sound	The volume is at the lowest condition	Increase the volume
	The earphone is not connected well	Connect the earphone
Can not communicate with computer	The USB cable is not connected well	Connect USB cable
No signal		The signal is weak, it need more than 3 minutes to receive the signal
The map data is lost		Contact Maka GPS Technologies
PLEASE SET "NAVI-PATH"	NAVI-PATH has been adjusted.	Contact Maka GPS Technologies

Maintenance of GPS navigator

GPS navigator will be a reliable navigation and entertainment companion if protected by right methods. Please follow the instructions below to ensure your GPS run smoothly for a long time.

Protect screen: Don't press the screen with strength or you will destroy it. Please use the stylus to operate the navigator and spray a little glass cleaner on the soft cloth to clean the screen, don't spray on the screen directly.

【Note】 Be sure to turn off the GPS navigator before cleaning.

√ Drop or strike will cause damage to high-precision components.

【Note】 Accidental damage is beyond our responsibilities.

√ Don't use it under such environment: Temperature change abruptly (high temperature above 60°, low temperature under -10°), high voltage, dusty, electrostatic interference, avoid any corrosive liquid and dip into any liquid.

√ Avoid radiated interference: The radiated interference from other electronic products will affect the display and it will be normal after suppressing the interference source.

【Note】 If you carry the unit by air, please put the GPS together with your luggage to pass the X-ray detection system. Avoid scanning by the magnetic head detector (at the passage used for passing) or the magnetic bar (held by the security checker), or it will destroy the system date in the unit. We will take no responsibility for it.

✓ Avoid direct, intense light: Don't use the GPS navigator in high light and ultraviolet radiation in order to increase the using life.

Part IV. Service Location

4.1 Local Service Centre - Singapore

Service Location in Singapore

Maka GPS Technologies Private Limited

2 Alexandra Road

Unit #02-03, Delta House

Singapore 159919

Tel: (65) 6276 0889

Fax: (65) 6270 7123

24Hrs Hotline (65) 6100 1239

Opening Hours: 9am – 6:30pm (Monday to Friday) Close 12pm – 1:30pm for lunch

4.2 Local Service Centre – Malaysia

Service Location in Johor Bahru

Maka GPS Technologies Sdn. Bhd.

8A, Jalan Harmonium 23/13

Taman Desa Tebrau

Johor Bahru, Johor

Tel: (60) 7359 7804 – 24HRs Hotline

Fax: (60) 7359 7805

Opening Hours: 9:30am – 6:30pm (Monday to Friday)

Close 12:30pm – 2pm for lunch

4.3 Local Service Centre – Oceania Pacific

Service Location in Australia & New Zealand

ProSat Technology Limited

Email: gary@prosattechnology.com