
Q1.How do I setup TWD67/TWD97?

- Set [SETTINGS]/[MAP DATUM大]/[LIST]/[HUTZU] for Taiwan Hu-tzu-shan datum or [NAD83A] for TWD97
- Set [SETTINGS]/[POSITION][USER GRID]
- [SETTINGS]/[USER GRID] , input following parameters:
Lon:E121
X(E):250000
Y(N):0
Scale:0.9999

Q2: How do I setup Dutch RD grid ?

- [SETTINGS]/[MAP DATUM]/[USER]:
DX: 593 meter
DY: 26 meter
DZ: 478 meter
DA: 740 meter
DF: 0.1003748
a= 6378137-(DA) = 6377397
f= 298.257224-(DF)=298.156849
- Set Position:[SETTINGS]/[POSITION] to [USER GRID]
- Set Grid Parameter:[SETTINGS]/[USER GRID]:
Lon:E005.387633
X(E):+0155000
Y(N):-5316592
Scale:0.999908

Test: WGS84 N52.15150, E6.21744 --> N+462902M E+0211821M

Q3. How do I choose compatible SD cards ?

Some brands/sizes of SD cards may not be compatible with GT31.
Before purchasing SD card, please check its specifications and make sure that the card is specified to work with 3.0V power supply.
GT31 supplies 3.0V to SD card. Some SD cards require 3.3V and won't work.

The following cards have been tested to work with GT-31:

- SanDisk 2G (recommended)
- Transcend 1G
- Kingstone 2G
- PNY 2G
- Apacer 2G 60X

For the first time to use the SD card, please format it to FAT16 by using command [SD CARD]/[FORMAT].
Card format is also a good test for your SD card compatibility.

Q4:How do I log my tracks?

There are three log functions to log tracks:

- [TRACK]:
 - -maximum 8192 points,

- -suitable for walkers,hikers or track display is needed
- -data format: BIN
- -will show track points on display

[DATA LOGGER]:

- - maximum 20480 points,
- - suitable for short trip (with in 5 hours) or when SD cards are not available
- - with [MIN SPEED] option
- - cyclic logging
- - data format:SBP

[MEMORY CARD]:

- - maximum 4 million (2GB SD card)
- - suitable for all.
- - with [MIN SPEED] option
- - data format:NMEA(for geotagging) /SBN (for windsurfing)
- - if enabled, will display card icon on status bar

 Q5:Does BGT-31 work with my Bluetooth mobile phone?

Please check the specification of your mobile phone.
 Since BGT-31 provides standard Bluetooth SPP protocol,
 it should works with PC/notebooks/mobile phones with Bluetooth/SPP support.
 The following mobile phones are tested (by customers) to be worked with BGT-31 :

- Blackberry Pearl 8100 (with "Google Maps for Blackberry","Blackberry Maps")
- Blackberry Pearl 8700g
- Nokia E51

 Q6. How do I use BGT-31 as a real-time Bluetooth GPS receiver?

Set [SETTINGS]/[BLUETOOTH] to [ON].
 Set [SETTINGS]/[BT SNIF] to OFF (or ON if power save mode is supported)
 BGT-31 will send NMEA data through Bluetooth port at 115200BPS/8/n/1.
 For the first time to use this function, the Bluetooth pairing is needed.
 The default PIN code of BGT-31 is "0000" or "1234".

 Q7. How do I use GT-31 as a real-time GPS receiver?

Set [SETTINGS]/[INTERFACE] to [NMEA],
 GT-31 will send NMEA data through USB port at 38400BPS/8/n/1.

 Q8. How about Mac support?

NAVILINKII and firmware update utility only supports Windows platform.
 But OSX USB driver is available in the product CD.

To get the data from the device, you can use [SAVE TO CARD] command
 to save track, waypoints or logger data to SD cards.
 Then use a card reader to copy data to your Mac.

GPSResults and GPSActionReplay in the product support Mac platform.
 Or you can coinsder GPSBabel 1.3.6.
 It supports NAVILINK protocol.
 Also SBP/SBN file conversions are supported.

 Q9. The NAVILINKII doesn't seems to work. How do I debug the problem?

First please check if you have the latest NAVILINKII version.

If the problem after version update, please follow the procedure below to verify the *USB connection*.

- Close all application software.
- Copy GPSFox utility from your product CD to your PC, unzip it and execute it.
- Turn on your device, make sure [SETTING][INTERFACE] set to [NMEA].
- Connect USB cable, set GPSFox baud rate to 38400. Select com port properly. Press "connect" button.
- If the USB connection is OK, the NMEA sentences(\$GPRMC...) sending from GT-31 should be displayed in GPSFox.
- If the USB connection is failed, you may need to reinstall USB driver, change USB port/cable or change another PC. And try again.

Q10: The firmware update fails. How do I debug the problem?

Please follow Q8 to verify the USB connection first.

In some OS version(Vista, XP SP3), the program files folder have access restriction.

Please download the latest utility from here:

http://www.locosystech.com/download/handheld/GT-31/GT31Updater_Installer.zip

Re-install the utility by using the default folder and try again

Q11: How do I geotag my photo?

Note to backup your pictures(.jpg file) in advance.

Please install GPSPhoto software in the product CD.

Then import your pictures(.jpg files) and track files (.NMEA or .TXT files)

Adjust time offset if needed then start the geotagging.

The geotag procedure is quite straight forward.

Should you still have problems with that,

please check the on-line help of GPSPhoto or contact with us.
