Hi-Target Qcool Quick Start Manual

Manual use

Welcome to use Qcool series intelligent handheld GPS. This manual applies to Qcool, this manual introduces how to install, set up and use intelligent handheld GPS.

Manual introduction

This manual introduce that how to setup and use this Qcool series intelligent handheld GPS.

Experience demanded

In order to you can better use Qcool series intelligent handheld GPS.
HI-TARGET suggest you have a certain measure knowledge, and carefully read the instruction.
If you have any questions, please refer to the official website of the HI-TARGET: < http://www.hi-target.com/ >.

Safety technical note

 Note: pay attention to tip the content general is operation special place, need to bring your special attention, please read

 Warning: the warning content is general very important tip, if not in warning operate within the tip, you will cause the damage of the instrument, the loss of the data, and the collapse of the system, even endanger the security of person.

 Note: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

 NOTE: 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.

FCC ID: O39ZHDQCOOL

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.

International Limited Warranty, Software Licence

Agreement

You must not install or use the software unless you have read and accepted the terms and conditions of the HI-TARGET software Licence Agreement. Installation or use of the software or any part thereof, is deemed to be an acceptance of all the terms and conditions of such Licence Agreement.

Responsibility absolution

Before you use the product, you should read the introduction carefully. Guangzhou HI-TARGET surveying and mapping instruments Co., LTD. We will not take the responsibility if you not operate within the product instruction。

Guangzhou HI-TARGET surveying and mapping instruments Co., LTD. Is committed to continuously improve product function and performance, improve the service quality, and keep the right to change the content of the instruction without notice in advance.

We have to print described in the content and the consistency of the hardware and software to do an inspection, but don't rule out the possibility of bias, the picture in the instruction for use for reference only, if you have a product with discrepancies, please use the product kind prevail.

Technology and service

HI-TARGET have set up the "technology and service" section, if you have problems you settle them through the "service guide" telephone contact regional technology center, headquarters division or through the "experts on the judgment seat," "technology BBS" message, we will answer your questions in time.

Related information

You can find the instructions through the following methods:

1,、purchased products from the HI-TARGET will with a CD, open the CD and you can find the instruction;

2、land the official website of the HI_TARGET, through "downloaded zone"-" product specifications "and" GIS product "and you can it.

Your suggestion

If you have any Suggestions and opinions about the introduction, please visit the official website of the HI-TARGET, and leave massage in "technical service" and "advice and complaint" edition , your feedback on the quality of the information we will be greatly improved.

Device

Device Overview

Battery Information

Software

Select / customize coordinate system / datum

Dictionary

New build a project

Import background image

Record Point / Line / Area

Export data

Device

Device Overview

When using your device for the first time, you should complete these tasks to set up the device and get to know the basic features.

① Up key
② Down key
③ Storage Card and USB Port
④ OK key
⑤ Power and Backlight key
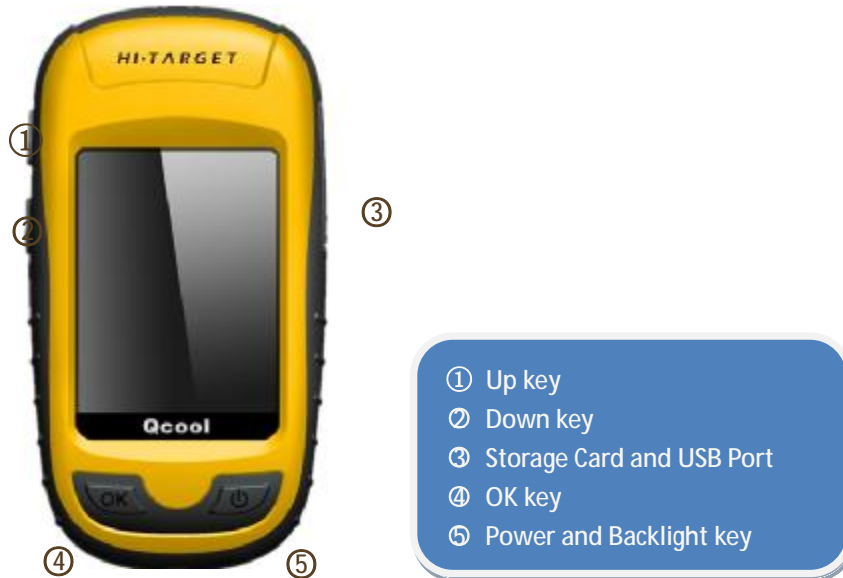
Battery information

You can use alkaline, MiMH, or lithium batteries. Use NiMH or lithium batteries for the best result. The device operates on two AA batteries.

NOTICE

Alkaline batteries lose a significant amount of their capacity as temperature decreases. Therefore, use lithium batteries when operating the device in below-freezing conditions

⑥ Rear cover screw
⑦ Battery

Software

Start Qcool software, main contact interface presents.

Before going out for field operation, please follow below procedure step by step. In Qcool software, Field operation procedure is presented as below:

Ø Select / Edict coordinate system

Ø Open / New build a dictionary

Ø New build a project

Ø Import background image

Ø Collect Point / Line / Area

Ø Data download

1. Select / Edict coordinate system
    Before field operation, your own coordinate system is needed, by

    clicking ![icon] to select / edict coordinate system.
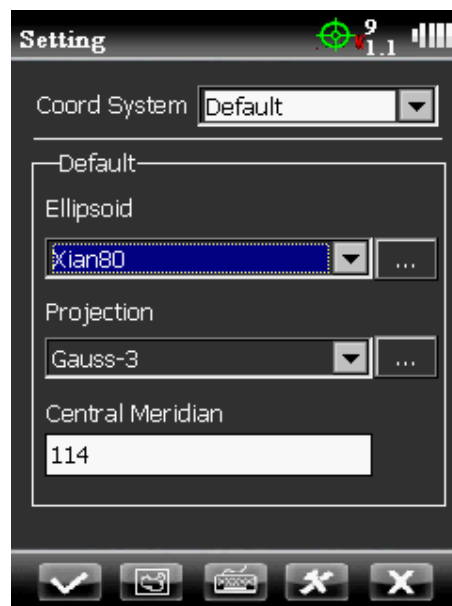
You can edit Ellipsoid, Projection, and Central Meridian.
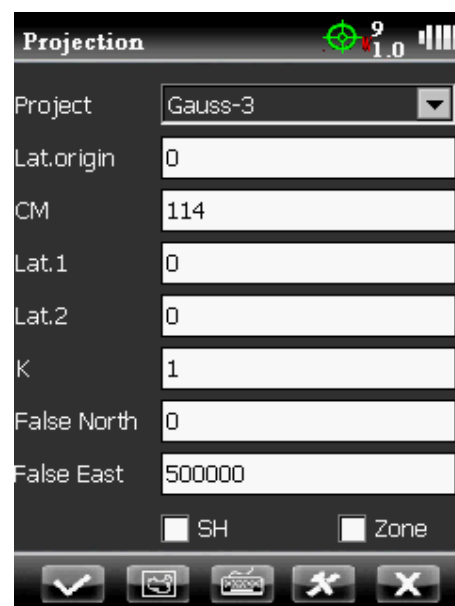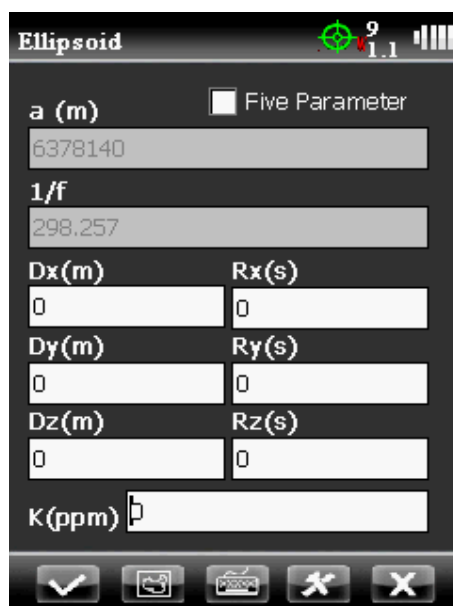
When finished, click ![confirm] to confirm.

2. Open / New build a dictionary

Dictionary is used to record attribute. By clicking you can new build dictionary or customize the attribute according to your field operation needs.
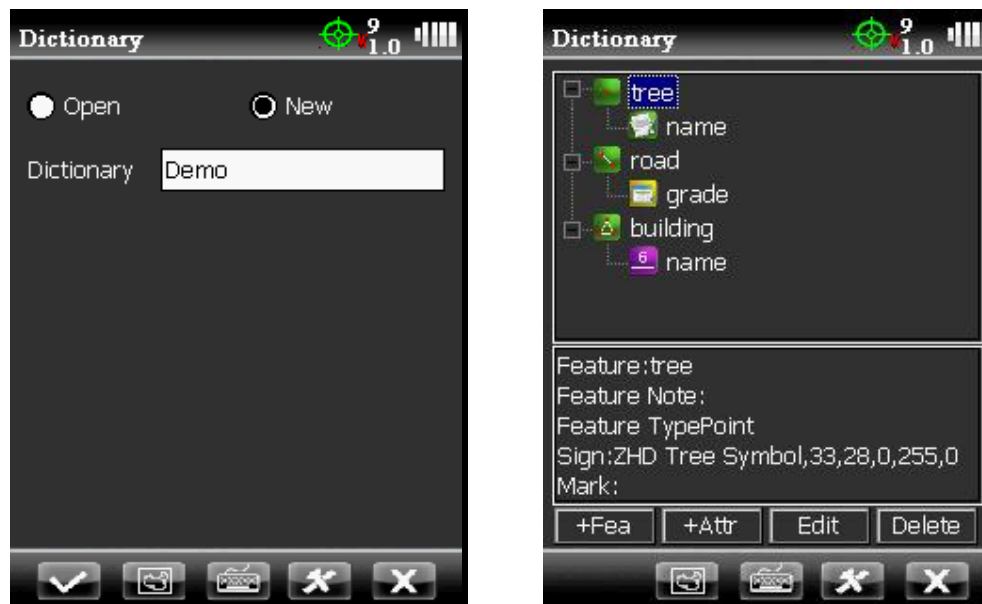
All the features are described by point, line or area. For example, trees should be recorded as point, roads should be recorded as line, and buildings should be recorded as area.

3. New build a project

When coordinate and dictionary are both ready, you can start you project now.

Remember to click to confirm.
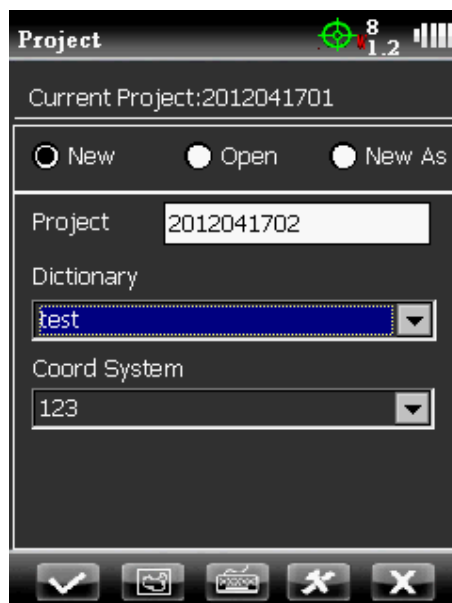
4. Import background image

Map or background image can be imported into program to get more artistic interface.

Click [icon] to enter map interface.
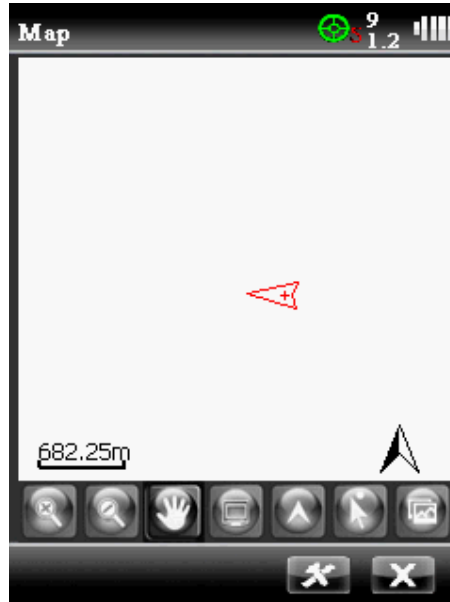
Click [icon] to add your map.

There are two type of format for map, *.zmp file can be created by Hi-Target Hi-Net Server software.
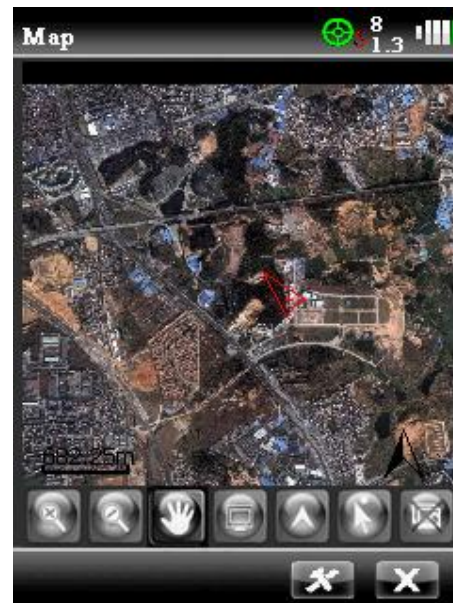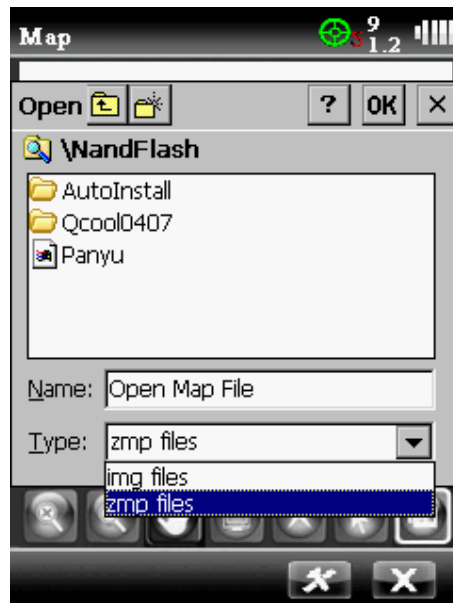
Every signal point on *.zmp map has a coordinate, with this map, Qcool will show where you are and what the area is.

5. Collect Point / Line / Area

Main function of Qcool is to record the objects with coordinates and attributes. Notice: when recording, first record coordinate, then attribute.

Collect Point

Click [image] to enter **"Collect Point"** interface. Here you can see your current position with coordinate.

First click [Record] to record coordinate, then click [Edit] to record attribute.

When recording coordinate, you can manually click `Record` or automatically recording by distance or time.

For attributes, you can click `Edit` for every single point or

after recording several coordinates then click `Edit` to write the same attribute to those points.

After writing attributes, click ✓ to confirm.

Collect Line

Click 🌐 to enter **"Collect Line"** interface. Here shows your current position with coordinate.


```
Collect Line          ⊕   8
                         1.3  ıllıl
Project    2012041701
Feature   Line              ▼
Attr              Edit
       N  22:58:54.02
       E 113:21:41.78
Height     63.25 m
Node NO.        000
Record  Save   Set    Map

           📷   ⌨   ✂   ✕
```

At least two points will make a line, which means you should first record at

least two points with coordinate, then click `Edit` to write attribute.

Also when recording coordinate, you can manually or automatically operate.

After writing attributes, click ✓ to confirm.

Collect Area

Click to enter **"Collect Area"** interface. Here shows your current position with coordinate.

At least three points will make area, which means you should first record at least three points with coordinate, then click **Edit** to write attribute.

Tips: Save your data by clicking **Save**.

6. Data download

In order to connect to your PC, Microsoft ActiveSync is need on Windows XP; Windows Mobile Device Center is need on Windows 7 operating system. After software been installed, next step is to install driver.

All your data should be stored in NandFlash, Otherwise it will not be stored after you restart the device.

When finished field operation, data can be downloaded to PC for post-processing. Hi-Target Hi-Net Server software is the post-processing software which can process field data and export different format data (DXF, SHP, MIF, CSV, txt).