ES101 USER MANUAL

CATALOGUE

ES101

1. General description

ES101 is eSky's GPS/GPRS single-chip terminal. As a Quad-band GPS/GPRS solution, ES101 delivers high performance for voice, SMS and Data in a small form factor with low power consumption. The tiny configuration yields its meeting with all the space requirements in your applications, the cars for example. On the basis of the above, ES101 support various functions like OTA and fleet management. In general, the GPS module ES101 distinguishes itself from other same class products.

1.1 About this Manual

To make descriptions of ES101 more acceptable, overview of the whole system works as base stone; on the second hand, ES101's physical characteristics are listed in separate categories for user's detailed understanding; finally, the way to change configurations for personal use is necessary before ES101's being put into wok.

1.2 Necessary Concepts for Reader

● AT Commands

● GPS concepts and terminology

● Terminal programs such as HyperTerminal or PuTTY

\

1.3 About eSky Wireless Inc.

eSky Wireless Inc. is a provider of wireless communication products developed in a field-proven platform. From perspective of users, eSky's products always boast the characteristics of effective cost, high quality and flexibility.

2. Function Overview

2.1Overview

ES101 is a wireless GPS/GPRS terminal that plays a significant part in fleet management and anti-theft. Detailed steps of its basic function to get real-time loaction would be:

1 Receive user's requests via SMS/UDP/TCP;

2 Got location information with GPS;

3 Send back in user selected format.

 Notice:Please keep the separation distance above 20 cm.

2.2 Specific Functions

On the base of the above, ES101's outstanding functions are listed as follows:

▪ Speed Alert

▪ Auto report of Location & Speed

▪ Geofence report

▪ I/O (4 Input port & 2 output port)

▪ OTA (over-the-air program upgrades)

▪Customer Script for various kinds of trigger-action(ignition -> timer)

3. ES101 Physical Characteristics

ES101 boasts outstanding features, which add its competitiveness in comparison with same-class products.

- Portable size of 93.6* 50.6*27.3 mm
- Low power consumption
- Quad-band of 850/900/1800/1900MHZ
- Super sensitive GPS
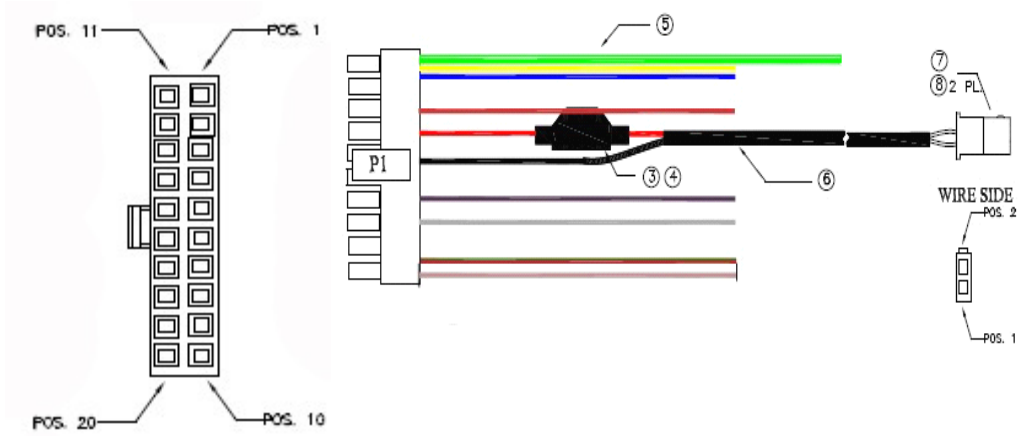- Base of mature and field-proven platform
- TCP/UDP communication

3.1 ES101 Detailed Hardware Features

Please refer to Electric Spec

3.2 Primary Connector

4. Common User Setting Commands

Please refer to Operational Description

FCC statement : Section 15.105 (b)

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 Section 15.21 Information to the user
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Section 15.19 Labelling requirements
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.