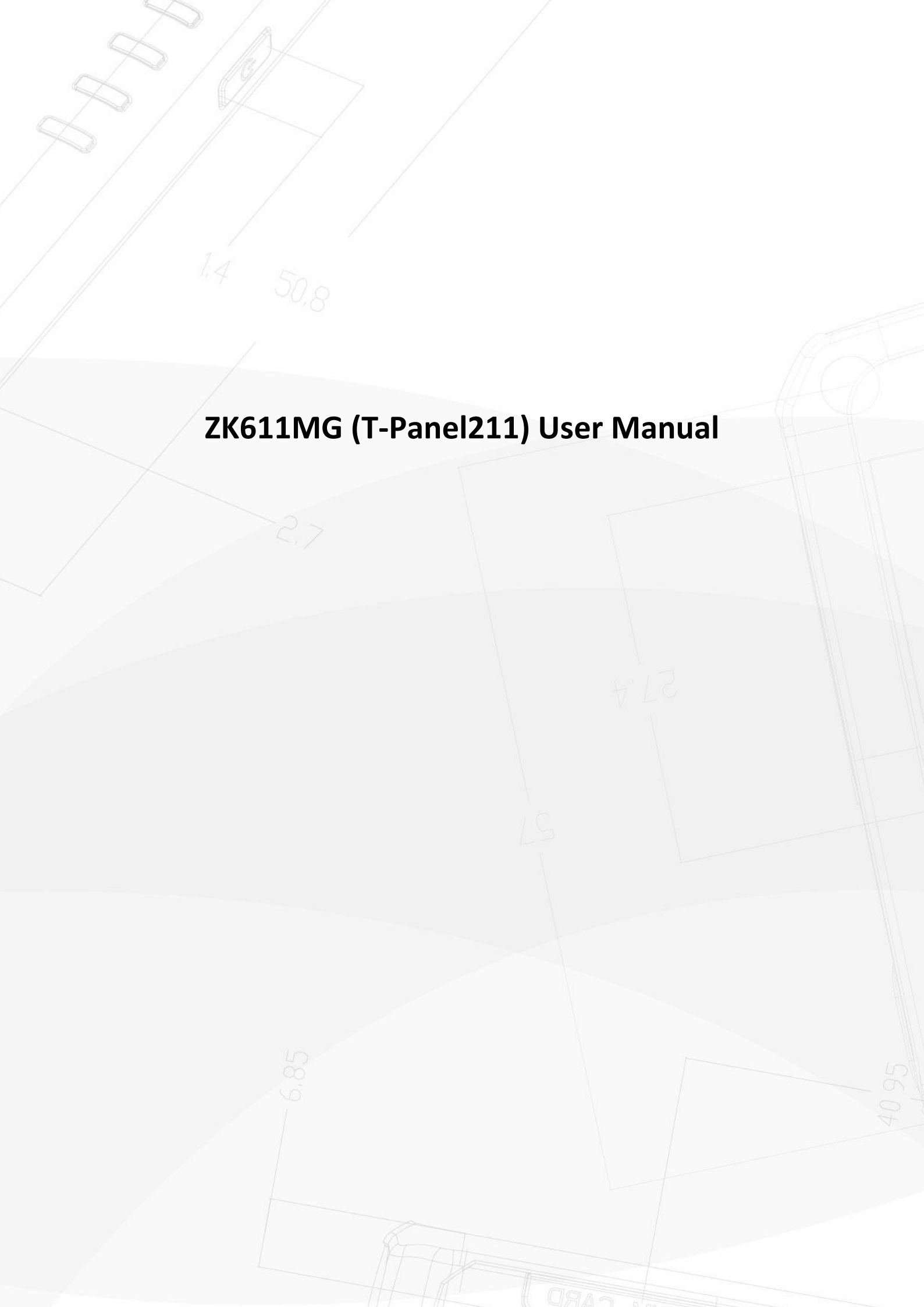


The background of the page is a light gray technical drawing. It features a spiral binding on the left side, represented by a series of vertical lines. Various geometric shapes, including rectangles and circles, are drawn with thin lines. Dimensions are indicated with numbers and leader lines: '1.4' and '50.8' near the top left, '2.7' in the middle left, '27.4' in the middle right, '37' in the lower middle, '6.85' in the bottom left, and '40.95' in the bottom right. The text 'ZK611MG (T-Panel211) User Manual' is centered in a bold, black font.

ZK611MG (T-Panel211) User Manual

1 Introduction

ZK611MG (T-Panel211) software function development mainly involves electric control unit (ECU), @Track Air Protocol, instrument display, headlight control, acceleration, brake, key on panel, voice broadcast and Bluetooth. ZK611MG (T-Panel211) is designed to connect to the scooter to enable remotely lock/unlock, to track the position information and to report the status of the scooter. By using the accelerator or brake, the user can increase or decrease the speed of the scooter. By using the key on the panel, the user can turn on the headlight, switchover the speed-up mode or end using the scooter. All the information will be reported to the backend sever to facilitate the basic functions of the scooter.

2 ZK611MG (T-Panel211) Product

Model No.	Region	Technology	LTE Category	Operating Band
T-Panel211	Global	GSM/LTE	eMTC/NB-IoT	Cat M1/Cat NB2: Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 Cat M1 Power: 25 dBm Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85 Cat NB2 Power: 25 dBm EGPRS: 900(32.47dBm) /1800(30.17dBm)
T-Panel211M				
T-Panel211MG				

3 Product Overview

2.1 Appearance



4 Hardware

3.1 Interface Definition

The power cable input, red wire for positive, black wire for negative.

Pin Name	Description
GND	Power GND (Black)
UART_RX	The RX communication pin
UART_TX	The TX communication pin
Power_EN	To control the power supply
DC IN	Power+ Input (Red)

5 Getting Started

4.1 Installing SIM Card

- 1, Turn off ZK601MG (T-Panel201).
- 2, Open ZK601MG (T-Panel201) and insert SMI card as follows.



4.2 Communicating with Backend Server

After installing SIM card and power on, ZK601MG (T-Panel201) can communicate with the backend server through network, and transfer reports of emergency, Geo-fencing, device status and scheduled GPS position etc. It is easy for service provider to set up their tracking platform based on the functional wireless tracking protocol.

FCC Regulations

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.

This device 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 radiated 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.

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

RF Exposure Information

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

ISED Notice

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

This device complies with the Canadian ICES-003 Class B specifications. CAN ICES-003(B)/NMB-003(B)

ISED RF Exposure Statement

This device complies with ISED RSS-102 RF exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the IC RSS-102 RF exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la CNR-102 définies pour un environnement non contrôlé. Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la CNR-102, la proximité humaine à l'antenne ne doit pas être inférieure à 20 cm (8 pouces) pendant le fonctionnement normal.

CE Declaration

Hereby, Queclink Wireless Solutions Co., Ltd. declares that the radio equipment type GPS tracker is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
www.queclink.com.

