

# Lime 4.1

# User Manual

Version: V2.0

Date: 2022-03-02

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## 前言

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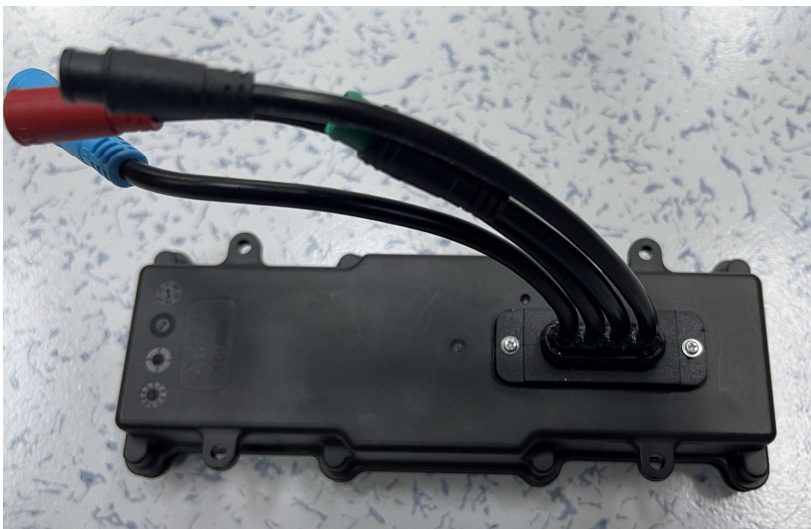
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## Doc version history

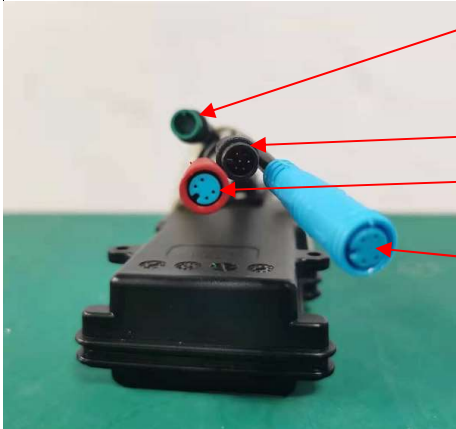
Version	Date	Author	Note
1.0	2022-01-06	Robin Zhang	Create
2.0	2022-03-02	Robin Zhang	Add FCC statement

## 1. Product appearance

This product is a product of an intelligent lock controller, which is the control part of the intelligent lock on shared scooters.



## 2. Hardware interface

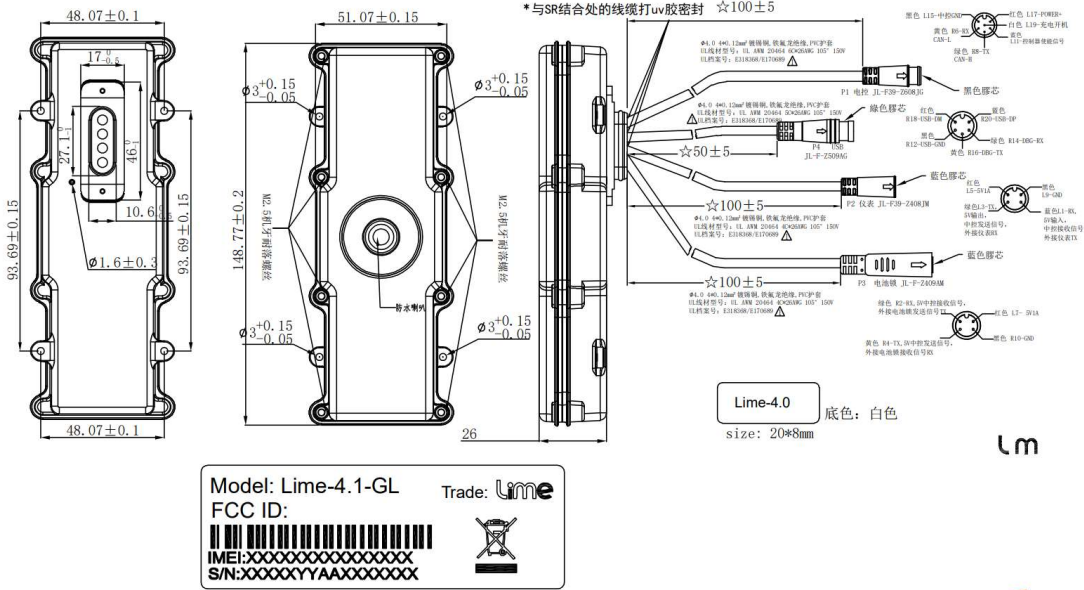


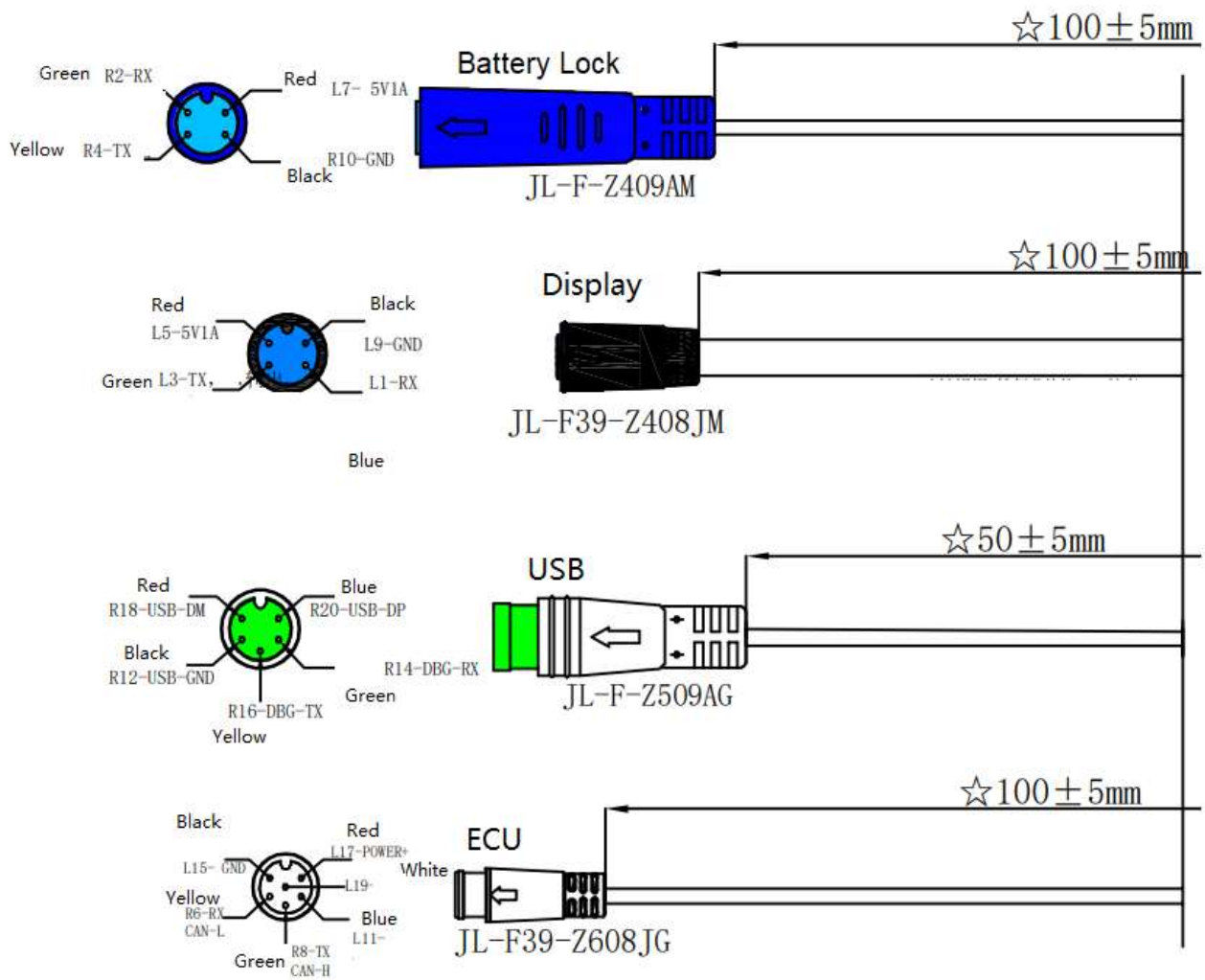
USB and Debug

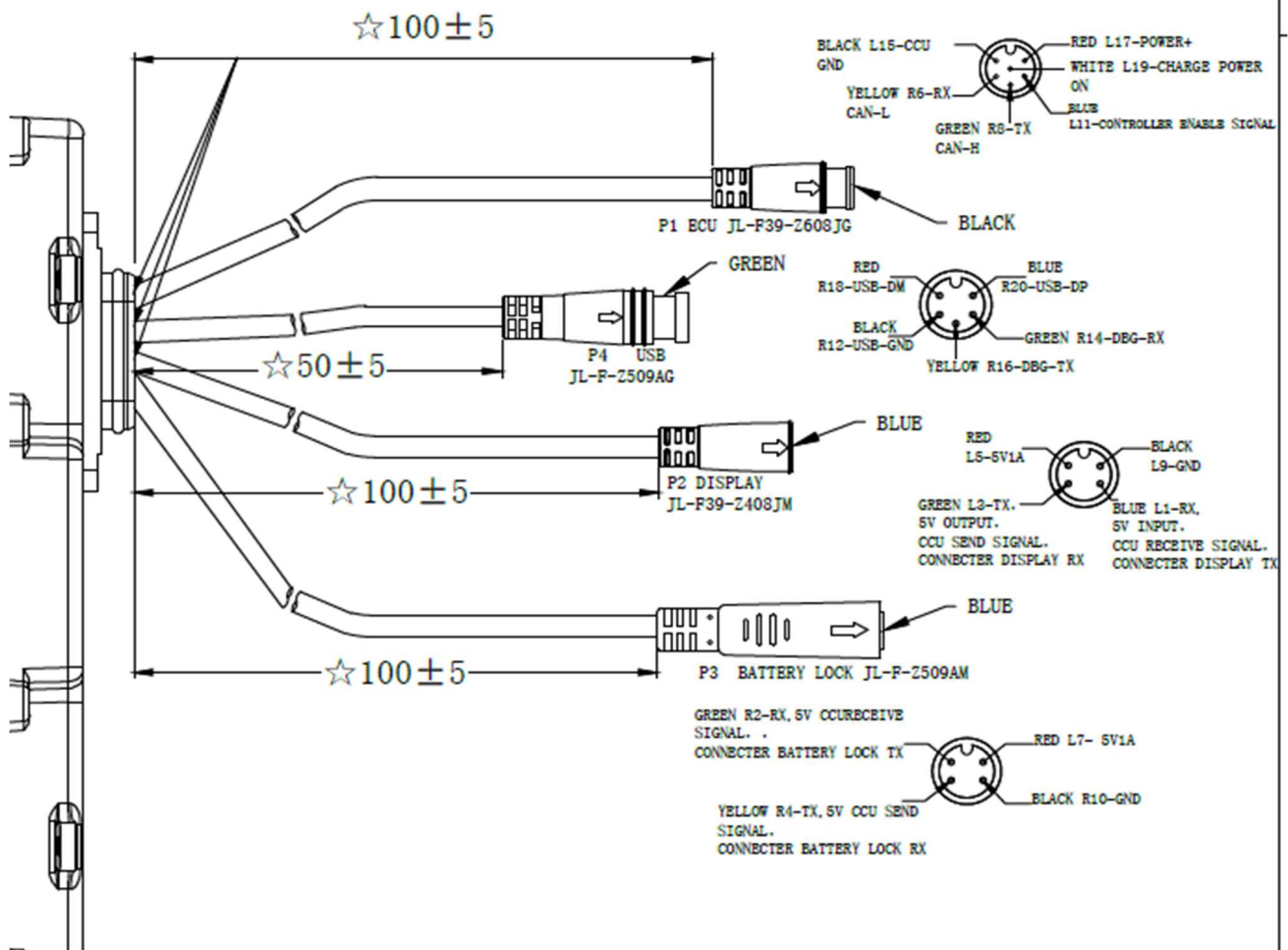
DC and CAN communication

Meter interface

Battery lock Interface







### 3. Starting up

The magnet must be close to the induction area to open the machine.



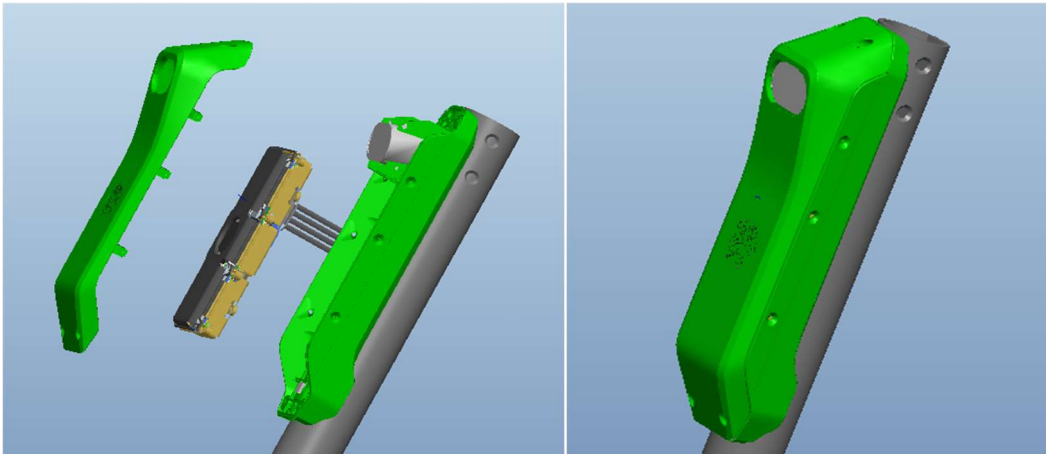
### 4. Operating temperature

➤ -20°C to 35°C

## 5. External power supply

- 36VDC

## 6. Installation method



## 7. CE Statements

### Battery:

**CAUTION : RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

Hereby, We, Quectel Wireless Solutions Co., Ltd. declares that this device Lime-4.1-GL is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

A minimum separation distance of 20 cm must be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in Europe.

## 8. Product Specification

<b>WLAN</b>	Frequency (MHz): 2412~2472	18dBm
<b>BT</b>	Frequency (MHz): 2402~2480	10dBm

## 9. FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

#### RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.