

## **Two-in-one Design Helmet Lock Works with IoT Devices for Smart Mobility**

### **What is 2-in-1 design [helmet lock](#)?**

This smart helmet lock is a UART/CAN-controlled smart lock, which combines helmet lock and steel cable lock. When working with IoT devices and being used for scooters rental business and rental bikes ebikes projects, the operators can get their sharing vehicles much functions such as remote unlocking and manual locking. The smart lock is highly energy-efficient, featuring a sleek and robust design with a high waterproof rating. It will bring stability and long-time benefits for launch of shared mobility.

# STEEL CABLE LOCK + HELMET LOCK TWO-IN-ONE DESIGN

[Smart Mobility · Safety Guardian]



The smart device comes with ultra-low power consumption and sturdy alloy casing. Security guaranteed. When users rent those rental scooters or shared bikes, they need to put on helmets so as to keep them safe and this solution can meet the requirement of government regulation.

helmet lock

# One-click to unlock for steel cable lock + helmet lock

Communication line connected to IOT device or controller, unlock command issued via the app, the two-in-one helmet lock receives the unlock command and drives the internal motor to unlock.

10:44  
PARTICULARS  
STEEL CABLE LOCK + HELMET LOCK  
TWO-IN-ONE DESIGN

- Shut off
- Connected device
- WiFi
- Timer switch
- Countdown timer

## **How do smart helmet lock work with [IoT device](#)?**

- 1, Users scan the QR code on IoT devices or rental scooter and ebikes
- 2, The server receives command and sends it to IoT devices or smart locks
- 3, Two-in-one helmet lock receives the unlocking command
- 4, The smart helmet lock drives the internal motor to unlock
- 5, Users can ride. When users return the helmet and pay for the riding, they can lock it and return the vehicles to fixed station successfully.

If users won't return helmets, they cannot lock it and the vehicles can not be locked, and returned either.



# UART/CAN Communication



# Key Parameters

## Steel cable lock + Helmet lock Two-in-one Design



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### Unlocking Method

**Command-based unlocking: Communication line connected to IoT or controller, issuing an unlock command, the two-in-one helmet lock receives the unlock command and drives the internal motor to unlock.**

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### Input Voltage

**DV24V-48V**

### Working Current

**≤100mA@36v**

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### Operating Environment

**Temperature : -20~+60°C**

### Communication Method

**UART/CAN**

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### Lock Outer Dimensions

**67\*42\*50mm  
(Including Bracket)**

### Waterproof Rating

**IPX6**

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