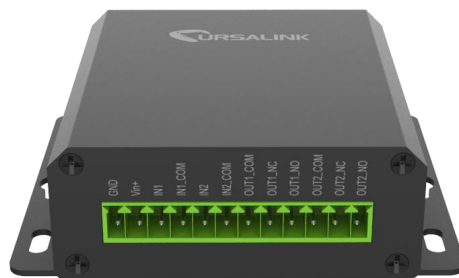# URSALINK

UC1X14 Series

SMS Remote I/O

Quick Start Guide

Welcome

Thank you for choosing Ursalink UC1x14 series SMS remote I/O.

This guide describes how to install the UC1x14 series SMS remote I/O.
Once you complete the installation, refer to the Ursalink UC1x14 User Manual for instructions on how to perform configurations on the device.

Related Documents

This Start Guide only explains the installation of Ursalink UC1x14 series SMS remote I/O. For more functionality and advanced settings, please refer to the relevant documents as below.

Document	Description
Ursalink UC1x14 Datasheet	Datasheet for the Ursalink UC1x14 series SMS remote I/O.
Ursalink UC1x14 User Guide	Users could refer to the guide for instruction on how to configure all the settings.

The related documents are available on Ursalink website: http://www.ursalink.com.

Declaration of Conformity

Ursalink UC1x14 series SMS remote I/O is in conformity with the essential requirements and other relevant provisions of the CE, FCC, and RoHS.
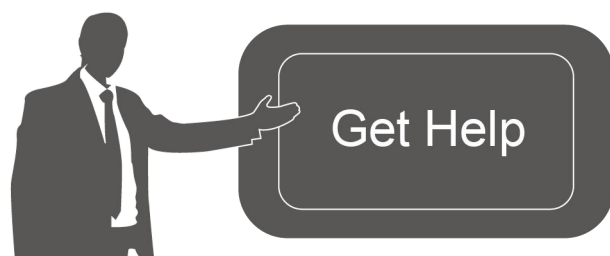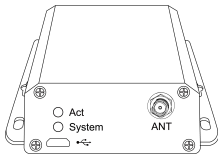

For assistance, please contact
Ursalink technical support:
Email: support@ursalink.com
Tel: 86-592-5023060
Fax: 86-592-5023065

1. Packing List

Before you begin to install the UC1x14 series SMS remote I/O, please check the package contents to verify that you have received the items below.
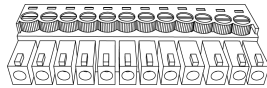
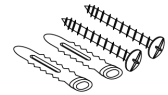### 1.1 Package Contents

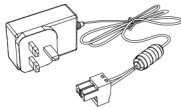| 1 × UC1x14 Series Device	1 × Stubby Cellular Antenna	1 × 12-Pin Pluggable Terminal	1 × Warranty Card	Setscrews

Optional Accessories

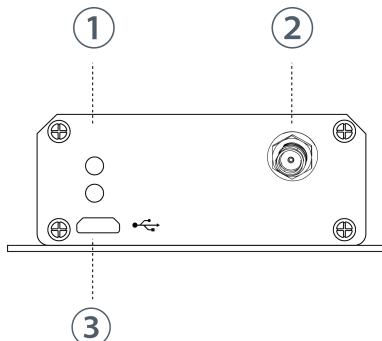| 1 × Power Adapter (Optional)	1 × Magnetic Mount Cellular Antennas (Optional)

⚠ **If any of the above items is missing or damaged, please contact your Ursalink sales Representative.**

2. Hardware Introduction

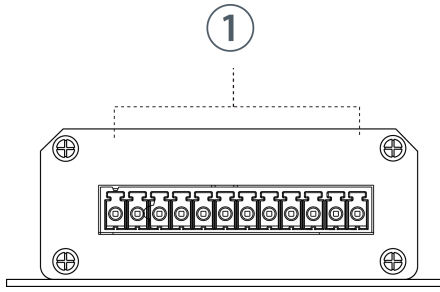### 2.1 Overview

A. Front Panel
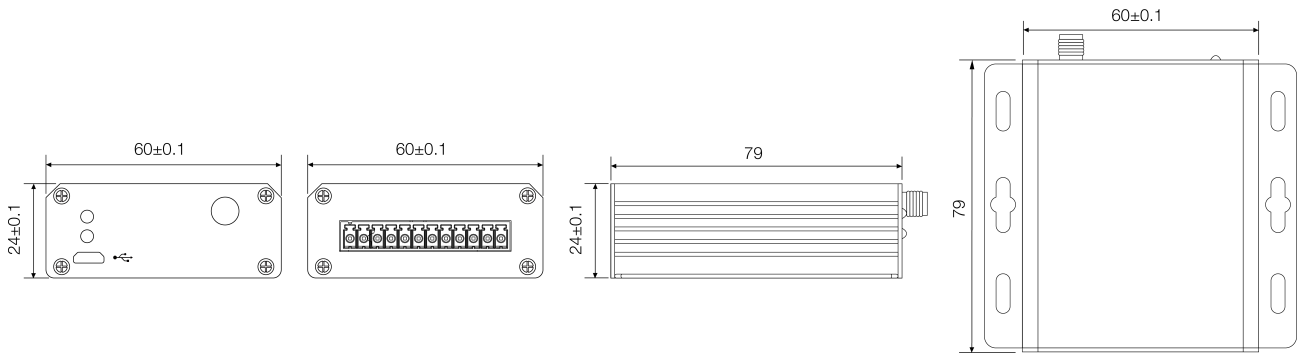
① LED Indicator Area
  System: System Indicator
  ACT: Network Indicator
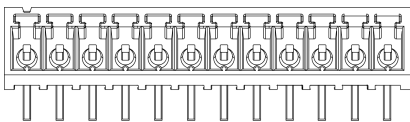② Cellular Antenna Connector
③ Micro USB Interface

B. Rear Panel

① 12-Pin Pluggable Terminal

2.2 Dimensions (mm)

60±0.1

60±0.1

60±0.1

24±0.1

24±0.1

79

79

2.3 Pinouts

PIN	Power	Digital Input	Relay Output	Description
1	GND	---	---	DC power supply (-)
2	VIN	---	---	DC power supply (+)
3	---	IN1	---	Input1
4	---	IN1_COM	---	Common Ground
5	---	IN2	---	Input2
6	---	IN2_COM	---	Common Ground2
7	---	---	OUT1_COM	Common Ground
8	---	---	OUT1_NC	Normally Closed1
9	---	---	OUT1_NO	Normally Open1
10	---	---	OUT2_COM	Common Ground
11	---	---	OUT2_NC	Normally Closed2
12	---	---	OUT2_NO	Normally Open2

2.4 LED Indicators

| LED	Indication	Status	Description
System	System Status	Solid On	Equipment starts
		On for 500ms, off for 500ms	All OK
		On for 100ms, off for 100ms	Device can not send SMS
ACT	Network Status	Off	Network registration fails
		On for 75ms, off for 3000ms	Successfully registered on network
			Sending/Receiving SMS

3. Hardware Installation
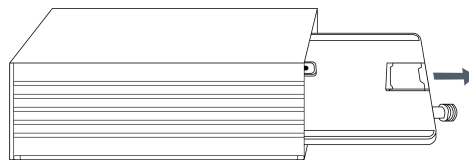
Environmental Requirements

- Power Input: 5-24 VDC
- Operating Temperature: -40°C to 70°C (-40°F -158°F)
- Relative Humidity: 0% to 95% (non-condensing) at 25°C/77°F

3.1 SIM Card Installation

A. Unscrew the four screws in front panel of the device
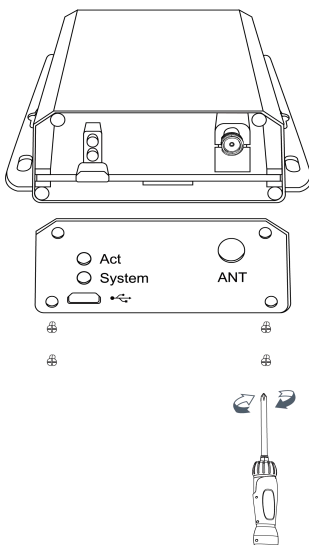
B. Takeout mother board from the case.
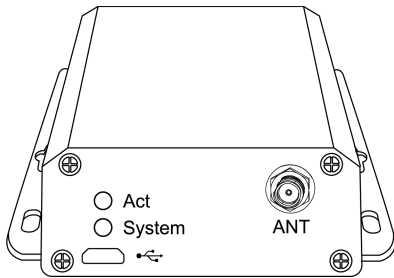
C. Push-down the SIM card cover and lift the cover
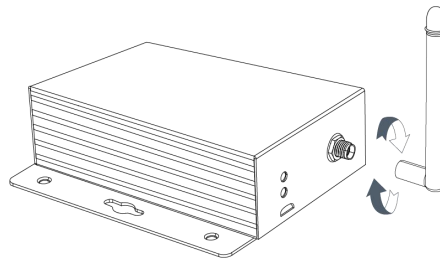
D. Install SIM card and close the sim card cover

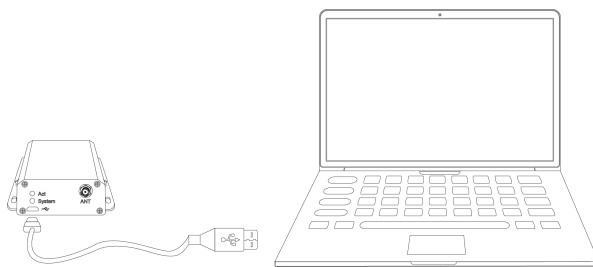E. Re-install the mother board into the case

3.2 Antenna Installation

Rotate the antenna into the antenna connector accordingly.

The external cellular antenna should be installed vertically always on a site with a good cellular signal.

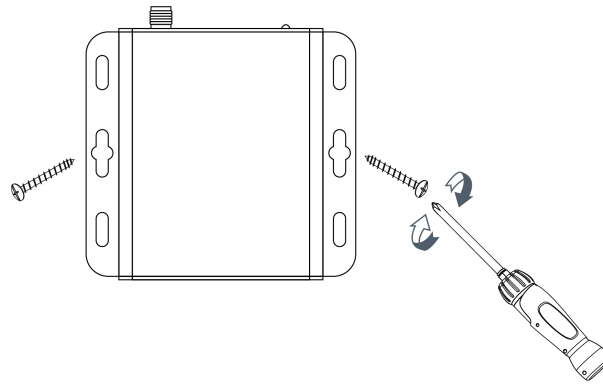## 3.3 Connect the UC1x14 to a Computer

3.4 Mount the UC1x14

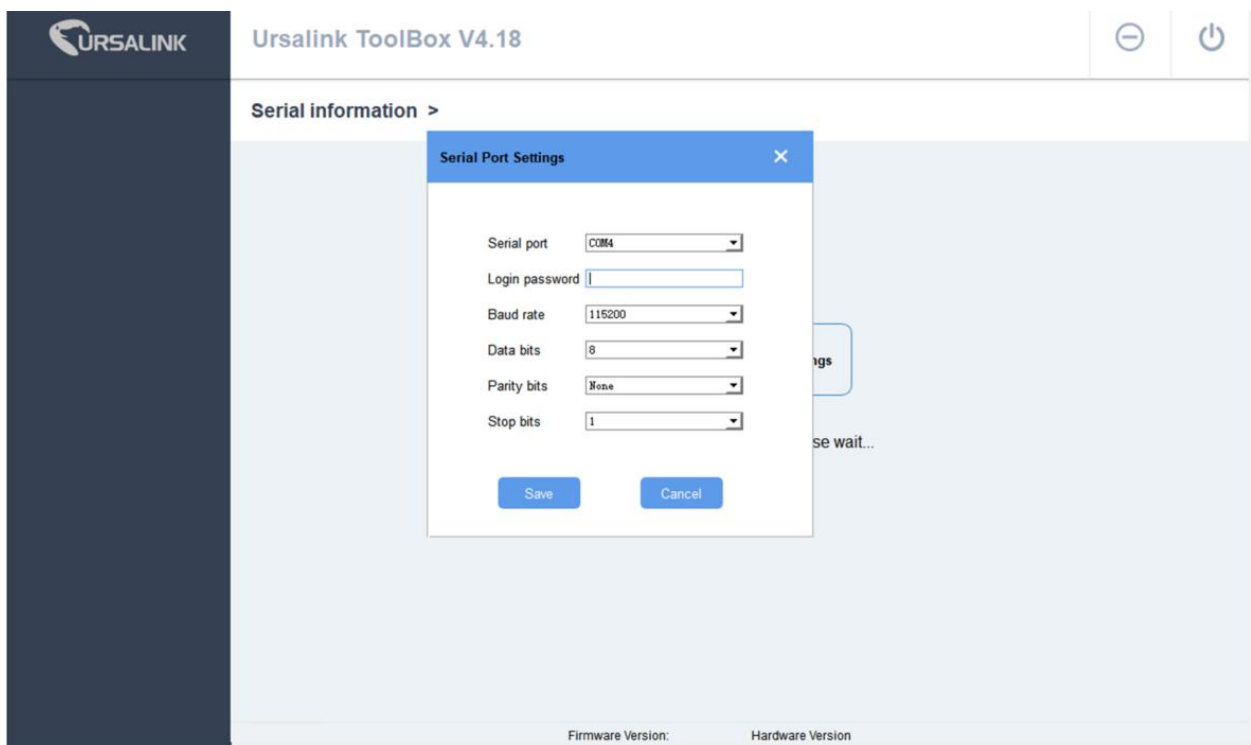Use 2 pcs of flat head Phillips screws to fix the UC1x14 onto the wall mounting.

4. Confiure UC1x14

4.1 Configure UC1x14 via Toolbox

Please connect PC USB port to micro USB port of UC1x14 series SMS remote I/O directly, PC Setup the Toolbox.

① Select Serial port and fill in the login password, default "123456", then click "Save"

② Click " Status " to check status of the Remote I/O

Ursalink ToolBox V4.18

Status >

Model:	UC1314
Serial Number:	611790930836
Partnumber:	EU-C000
Firmware Version:	01.04
Hardware Version:	V2.0
Local Time:	2019-05-14 15:58:07 Tuesday
Network Status:	Registered
Signal Strength:	22asu(-69dbm)
Input:	Low /Low
Output:	Low /Low

Status
General
Command
Application
Upgrade

Firmware Version: 01.04   Hardware Version V2.0

③Click " General ", network type use Auto and configure the SMS center number of the SIM card

Ursalink ToolBox V4.18

General >

Status
General
Command
Application
Upgrade

Basic Settings

Change Password ⑦ ☐

Cellular Settings ⑦

Network Type	Auto
SMS Center Number	+8613010390500
SMS Encoding Method	7 BIT
PIN Code	

Save

Firmware Version: 01.04   Hardware Version V2.0

④Click " ⌘ Command " configure the IF&THEN commands.

Ursalink ToolBox V4.18

Settings >

ID	Command	Operation
1		✎ 🗑
2		✎ 🗑
3		✎ 🗑
4		✎ 🗑

Read command From Device   Open a command File   Save the command to Device   Save the command as File

Firmware Version: 01.04   Hardware Version V2.0
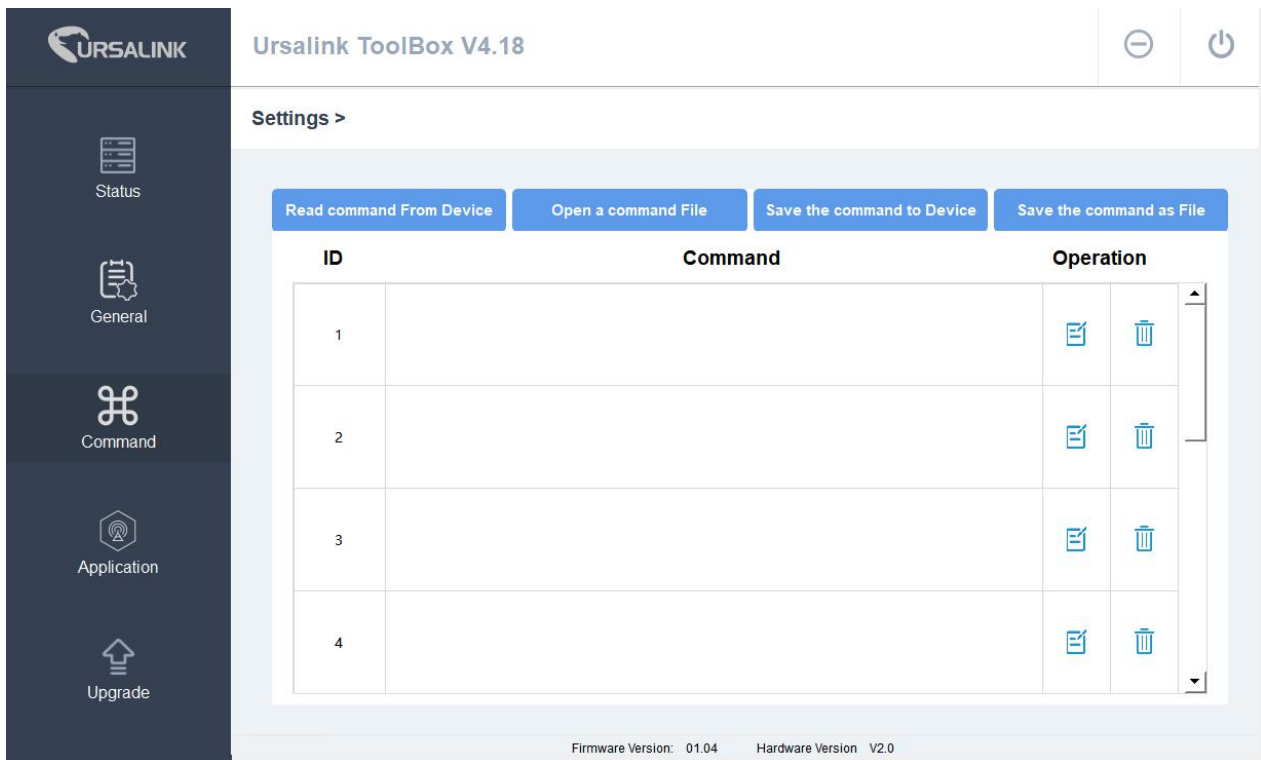
⑤Click " ✎ " to configure the IF&THEN commands and click " Save ", check details of the commands in user manual

Ursalink ToolBox V4.18

Setting > Setting-Edit

Configuration for command NO.1

If   Digital Input1   goes active (rising edge-triggered)
      is continued for   0 s
      ☐ Set lockout time

Then Output1   will be activate   ⊕
      Delay Time   0 s   Duration   0 s

Save   Cancel

Firmware Version: 01.04   Hardware Version V2.0
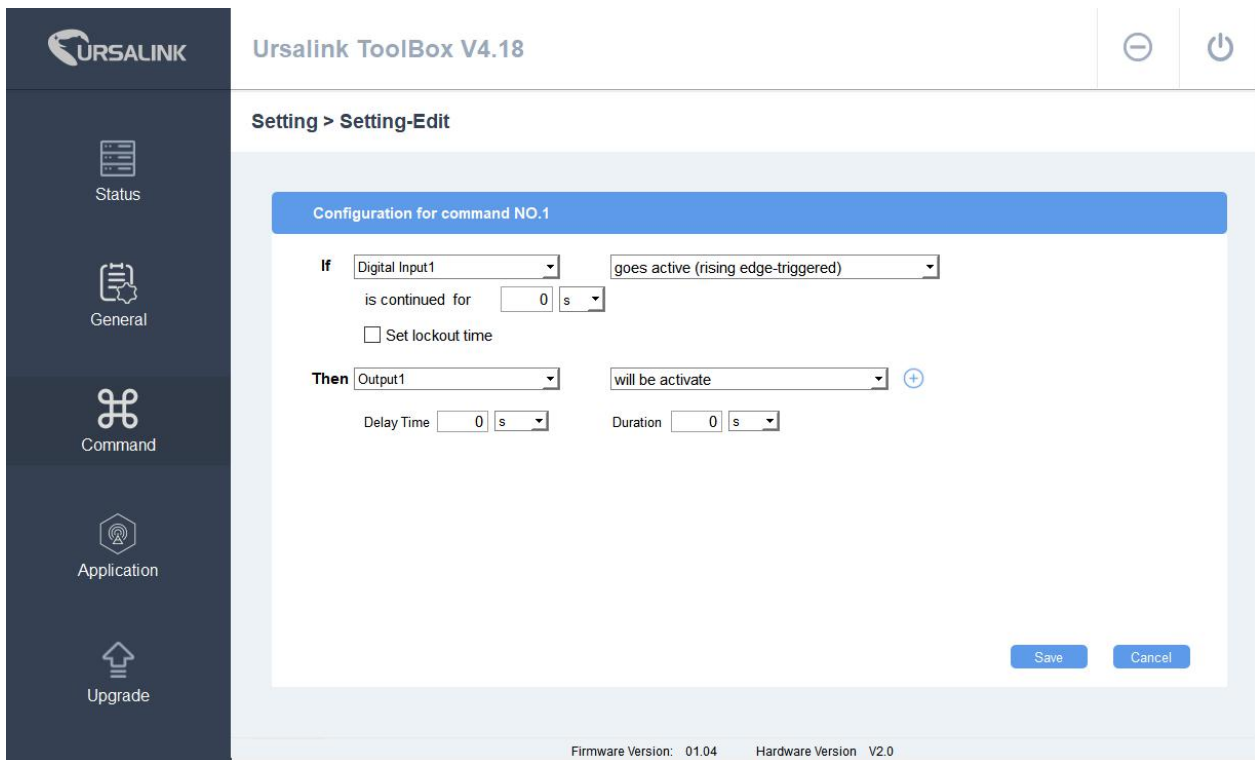
⑥Click " **Save the command to Device** " to save the command into UC1x14

Ursalink ToolBox V4.18

Settings >

Read command From Device	Open a command File	Save the command to Device	Save the command as File

ID	Command	Operation
1	If digital input1 goes active (rising edge-triggered), then output1 will be activate	
2		
3		
4		

Firmware Version: 01.04   Hardware Version   V2.0

Status
General
Command
Application
Upgrade
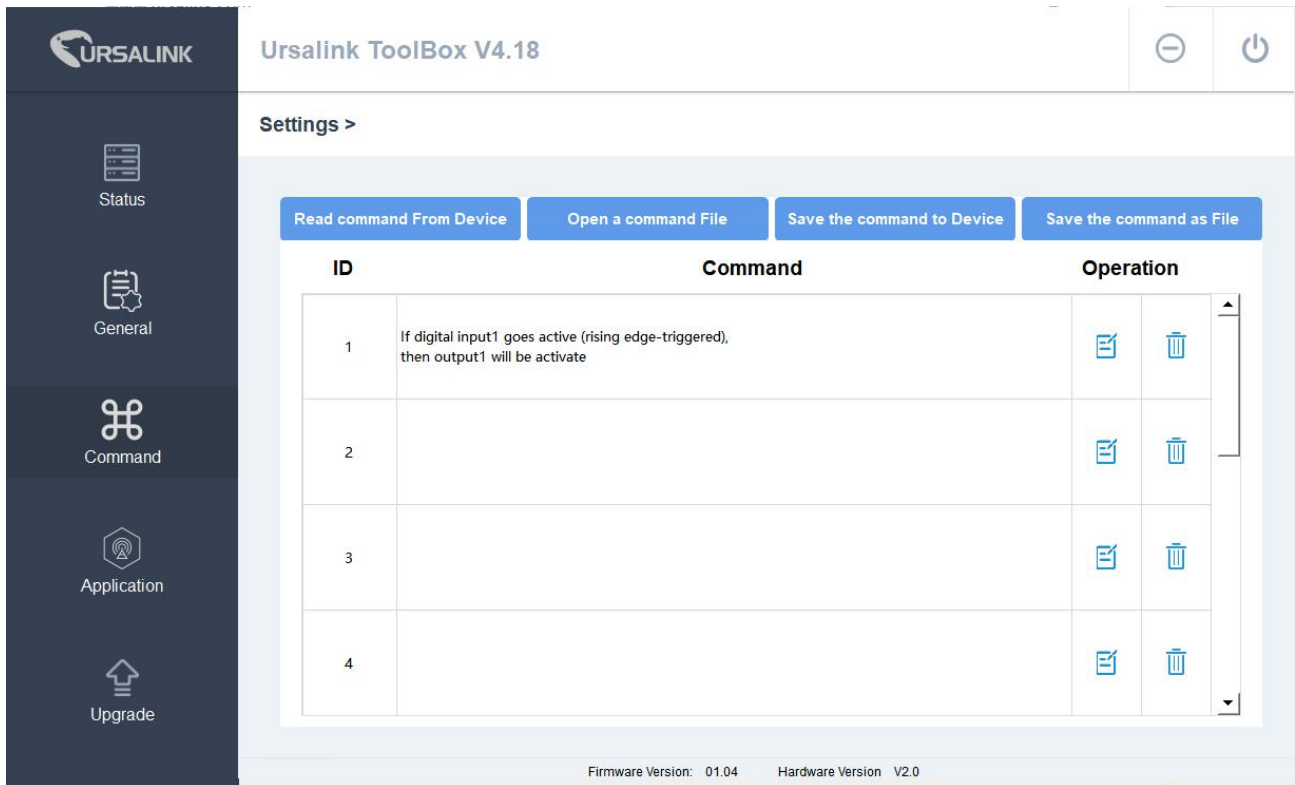
⑦Click " **Read command From Device** " to read the commands configured in the UC1x14

Ursalink ToolBox V4.18

Settings >

Read command From Device	Open a command File	Save the command to Device	Save the command as File

ID	Command	Operation
1	If digital input1 goes active (rising edge-triggered), then output1 will be activate	
2	If a message is received, then output1 will be activate	
3		
4		

Firmware Version: 01.04   Hardware Version   V2.0

Status
General
Command
Application
Upgrade

⑧Click " Application " to configure the SMS control phone center number and SMS report phone

[END]