



UC11-T1

Quick Start Guide



Welcome

Thank you for choosing Ursalink UC11-T1.

This guide describes how to install the UC11-T1 and how to connect it to Ursalink Cloud. Once you complete the installation, refer to the Ursalink UC11-T1 User Guide for instructions on how to perform configurations on the device.

Related Documents

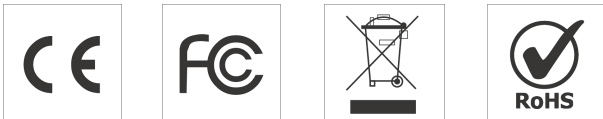
This Start Guide only explains the installation of Ursalink UC11-T1. For more functionality and advanced settings, please refer to the relevant documents as below.

Document	Description
Ursalink UC11-T1 Datasheet	Datasheet for the Ursalink UC11-T1.
Ursalink UC11-T1 User Guide	Users can 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

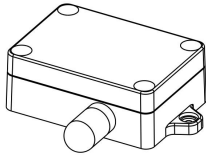
Ursalink UC11-T1 is in conformity with the essential requirements and other relevant provisions of the CE, FCC, and RoHS.



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 UC11-T1, please check the package contents to verify that you have received the items below.



1 × UC11-T1 Device



1 × Magnet



Setscrews



1 × Warranty Card



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

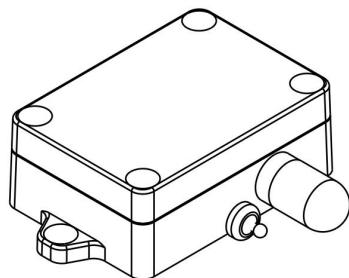
2. Hardware Installation

2.1 Turn ON/OFF UC11-T1

Place the magnet on the sign “U” to turn on/off UC11-T1.

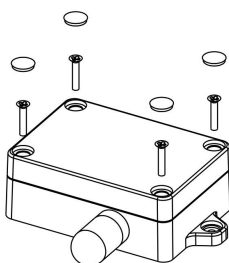
Power on: Beep for 2 seconds

Power off: Beep for 6 seconds

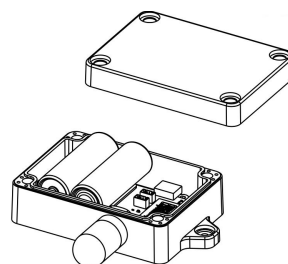


2.2 USB Configuration

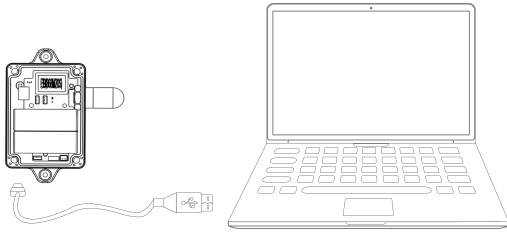
A. Remove the screw caps and unscrew the screws.



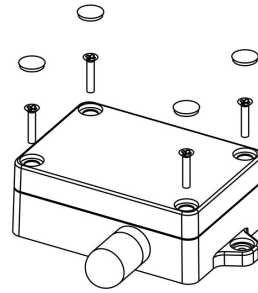
B. Take off the roof cover.



C. Connect UC11-T1 to Laptop with standard USB cable. Configure UC11-T1 via Ursalink Toolbox.

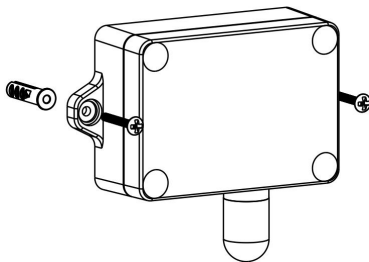


D. After configuration, put back the roof cover and screw the screws.

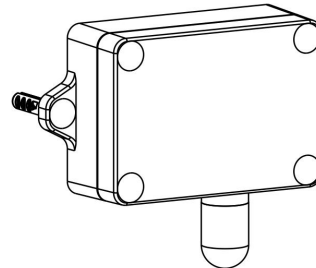


2.3 Mount the UC11-T1

A. Use 2 pcs of flat head Phillips screws to fix the UC11-T1 onto the wall mounting.



B. Cover the screws with two screw caps.



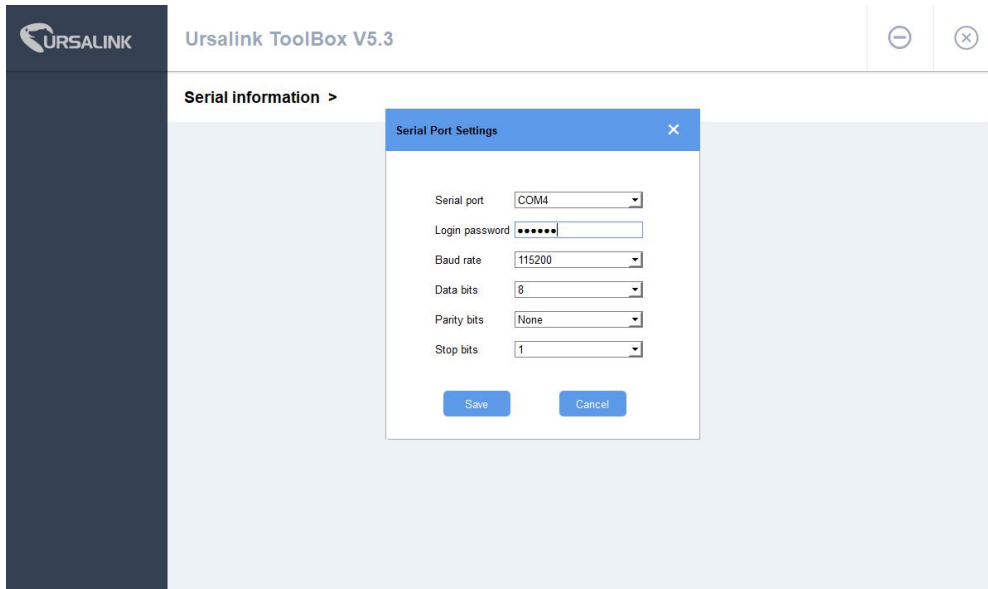
3. Connect UC11-T1 to Ursalink Cloud

3.1 Configure UC11 via Toolbox

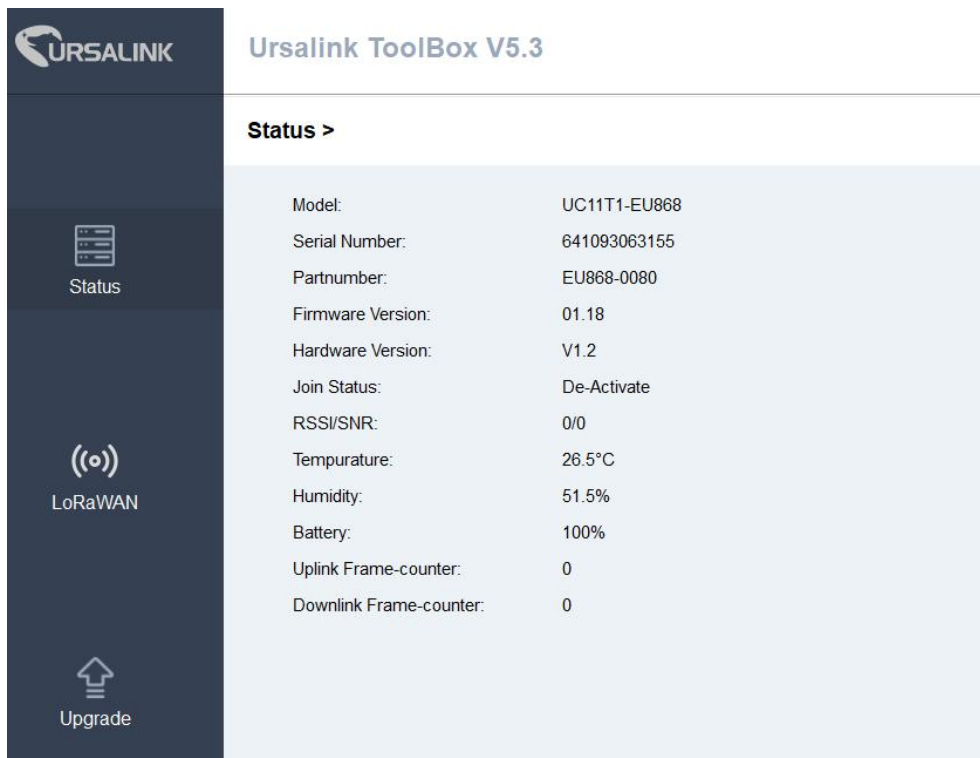
A. Connect PC and UC11-N1 directly via USB port as shown in [Section 2.2](#).

B. Download Toolbox software from Ursalink website and open Toolbox.exe. Select correct Serial Port fill in the password to log in. (Default password: 123456)

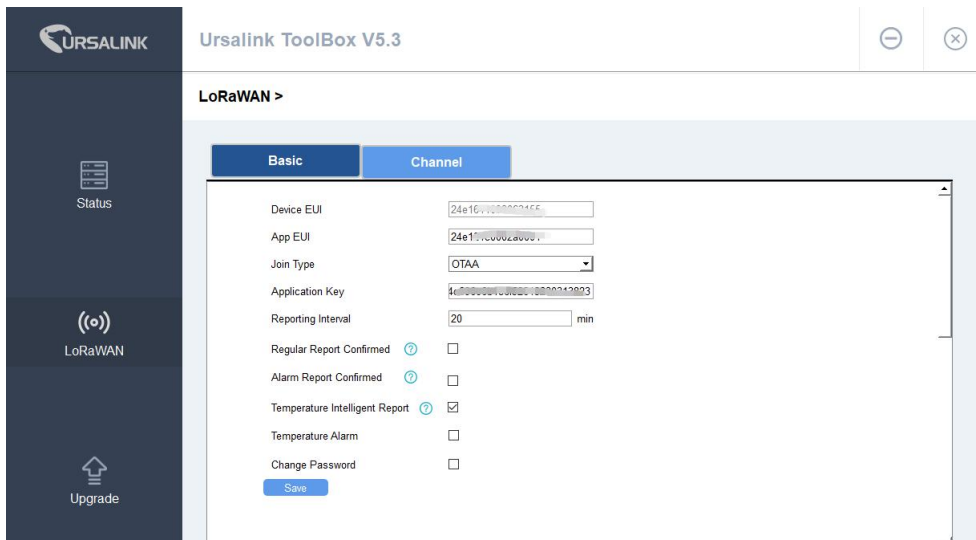
Toolbox Download link: <https://www.ursalink.com/en/software-download/>



C. Click "Status" to check the status of UC11-T1.



D. Click “LoRaWAN” to configure the related parameters and save configurations. The “Join type” must be OTAA if you connect UC11-T1 to Ursalink Cloud.

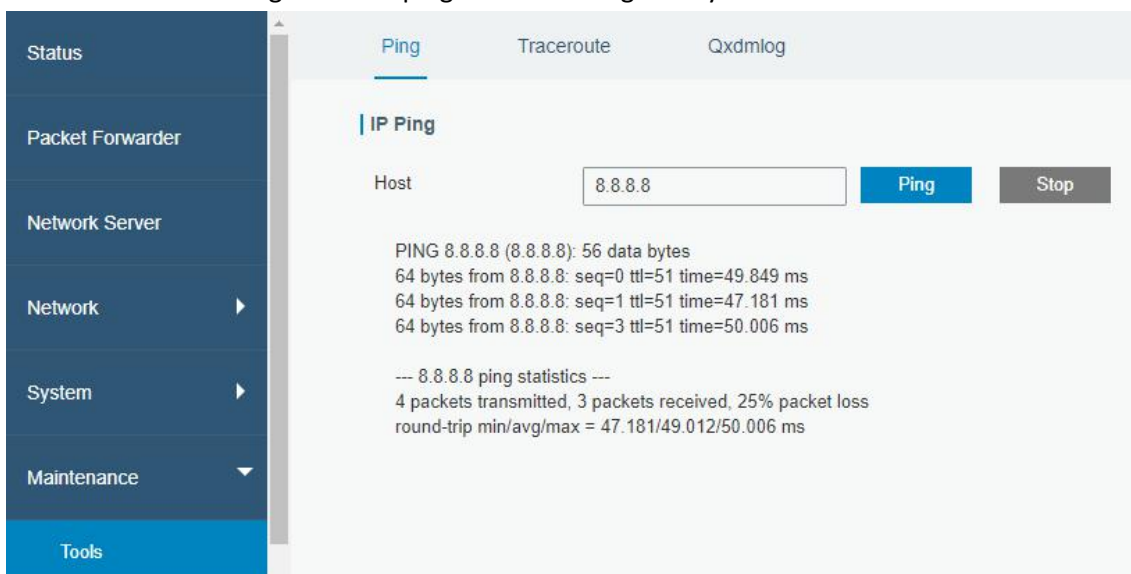


Note: Default LoRaWAN parameters:

Device EUI	24E1+SN
APP EUI	24E1+24C0002A0001
App Port	0x85
NetID	0x010203
DevAddr	The last 8 digits of SN.
AppKey	5572404c696e6b4c6f52613230313823
NwkSKey	5572404c696e6b4c6f52613230313823
AppSKey	5572404c696e6b4c6f52613230313823

3.2 Ursalink Gateway Configuration

A. Go to “Maintenance->Ping” and use ping tool to check gateway Internet connection.



B. Enable “Ursalink” type network server and “Ursalink Cloud” mode.

The screenshot shows the 'Network Server' configuration page in the 'General' tab. The left sidebar has 'Network Server' selected. The main content area is titled 'General Setting' and includes fields for Gateway EUI (24E124F...), Gateway ID (24E124F...), and Frequency-Sync (Disabled). Below this is a 'Multi-Destination' table with the following data:

ID	Enable	Type	Server Address	Operation
0	Enabled	Ursalink	localhost	

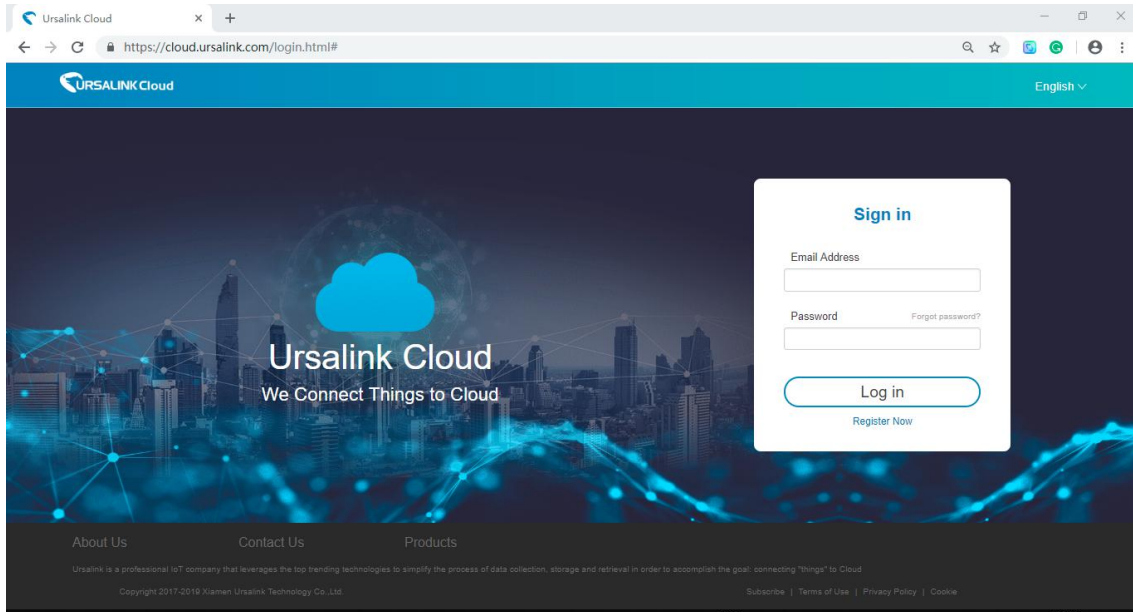
The screenshot shows the 'Network Server' configuration page in the 'General' tab. The left sidebar has 'Network Server' selected. The main content area is titled 'General Setting' and includes the following settings:

- Enable
- Ursalink Cloud
- NetID: 010203
- Join Delay: 5 sec
- RX1 Delay: 1 sec
- Lease Time: 876000-0-0 hh-mm-ss
- Log Level: info

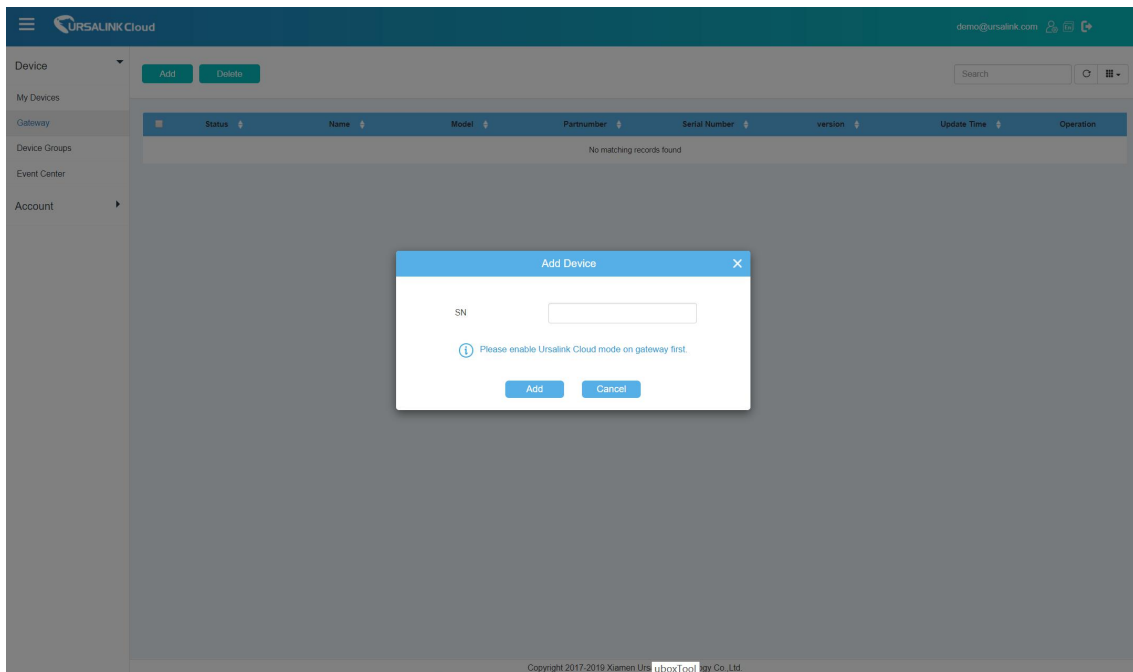
3.3 Ursalink Cloud Configuration

A. Register and log in Ursalink Cloud.

Ursalink Cloud URL: <https://cloud.ursalink.com/login.html>



B. Go to “My Devices->Gateway” and click “Add” to add gateway to Ursalink Cloud via SN.



Status	Name	Model	Partnumber	Serial Number	version	Update Time	Operation
🟢	My Gateway	UG87-LOOE-W-G-EU868	LOOE-W-G-EU868	621692473086	Firmware:80.0.0.24 Hardware:V2.0	2019-08-05 19:37	⚙️
🟢	My Gateway	UG85-LOOE-G-US915	LOOE-G-US915	621791878976	Firmware:80.0.0.24 Hardware:V1.0	2019-08-05 19:37	⚙️
🟢	My Gateway	UG85-LOOE-G-EU866	LOOE-G-EU866	621791898999	Firmware:80.0.0.20 Hardware:V1.0	2019-07-24 10:23	⚙️

C. Go to “Device->My Devices” and click “Add Device”. Fill in the SN of UC11-N1 and select associated gateway.

Add Device

SN *

Group Name

Associated Gateway

Device EUI

Application Key

You haven't added any devices yet.
Add device and connect your Things to cloud.

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D. After T1 is connected to Ursalink Cloud, Click or “History Data” to check the UC11-T1 data on Ursalink cloud.



Note: For More details, please refer to the [UC11-T1 User Guide](#).

[END]