

WIFX LORIX One



Installation - Community Network Servers

Installation The WIFX LORIX One gateway has a built-in script which handles different cloud providers' packet forwarders.

The LORIX One supports the LORIENT Community Servers out of the box.

Our binary is pre-installed at `/opt/lorix/clouds/loriot`.

To connect the gateway on the Community Network Servers simply follow these steps:

- a) Log in to the User Interface and select or create a **Network**
- b) Select **Add a Gateway** and select the LORIX One.
- c) Enter the Gateway eth0 MAC address, location and select **Register LORIX One gateway**:

LOR I O T
Networks > Sample Network > Gateway Registration

← Back To Networks

SAMPLE NETWORK
A0001BCB


Map

Upon Registration,

- the gateway is assigned to your network
- a gateway dashboard menu is available to configure and install your gateway
- the binary specific to your gateway is available in the Software section

The LOR I O T gateway binary is custom built for all integrated gateways.
 Select your gateway from the list below and fill in the required fields.

What is your base platform?



Radio Front-end Outdoor antenna (4.15dB)

LORIX One is fully integrated and comes with a pre-installed binary.

LORIX One

[Choose a different base platform](#)

MAC address of eth0 interface

The MAC Address of the Ethernet port can be queried by running

```
ifconfig eth0 | grep Hwaddr
```

command from your device's console. A sample output will be similar to

```
eth0 Link encap:Ethernet Hwaddr AB:CD:EF:12:34:56
```

Copy and past the highlighted part (six octets separated by colons) from the output of your device console to the input field below.

eth0 MAC address

Upon successful registration, we will provide you with a setup guide for your gateway and a gateway binary with cryptographic keys tied to this MAC address.
 The keys are tied to the MAC address of the device, and cannot be moved to another device.

d) Connect your LORIX One gateway to the internet and it will connect to the server and show its status as **Online**.

The gateway is now connected to the server and can start routing LoRaWAN device transmissions.

Migrating the LORIX One to the Professional Public Server

For the Professional Public Server, the gateway must be re-configured:

- a) Run the installer script found on the dashboard
- b) Edit `/etc/init.d/loriot-gw`
- c) Replace `RUNDIR=/opt/lorix/clouds/loriot` with `RUNDIR=/opt/lorix/clouds/loriot/lrt`
- d) Replace `OPTIONS...` with `OPTIONS="-f -s <PPS address>"`cat $RUNDIR/options``
- e) Save and exit
- f) Restart the gateway

Installation - Private Network Server

For private servers, the gateway must be configured to connect with LOR I O T in five simple steps:

- a) Run the self-extracting installer found on the dashboard as described in **Basic Installation**
- b) Connect to the gateway via SSH and edit `/etc/init.d/loriot-gw`
- c) Replace `RUNDIR=/opt/lorix/clouds/loriot` with `RUNDIR=/opt/lorix/clouds/loriot/lrt`
- d) Save and exit
- e) Restart the gateway

Further documentation on the LORIX One gateway can be found in the user manual which can be downloaded at <https://lorixone.io>