

LORANK 8 Installation Guide

Installation package contents

File name	Description	Usage
loriot_lorank_8_iC880A_SPI_[VERSION]	gateway binary	Execute from any directory
license.txt	License	License for the included binaries. Read before use.

Important notes

- Please consult the [LORANK 8 manual](#) before starting the installation.
- Product page is available at <http://www.hoperf.nl/LORANK-8>
- The default username is `root`, the default password is `LorankAdmin`
- By default, the gateway uses DHCP to acquire its IP address
- By default, the gateway is running the [poly_pkt_fwd](#). You need to disable this process before using the LORIoT gateway binary, or setup the gateway in LORIoT as Semtech Packet Forwarder.

Installation steps

You will need SSH / SCP or direct console access to your LORANK 8 to perform the following steps.

- Install cacertificates by running `apt-get install ca-certificates`
- Copy over and extract the installation package in any directory by running `tar xvf loriot_lorank_8_iC880A_SPI_[VERSION].tgz`
- **Make sure that no other process is accessing the SX1301!** Otherwise, the binary might fail to start or will only receive a subset of all the packets on the air.
- Run the `loriot_lorank_8_iC880A_SPI_[VERSION]` binary
- Upon a successful startup, the process will daemonize to background. The last printed message should be `INFO: Concentrator started, daemonizing`

Runtime notes

The gateway binary is designed to be completely self contained, and not to modify your filesystem in any way. It doesn't write any files.

After a successful start, the gateway process will daemonize and run in background. The last message that should appear on the standard output is

```
INFO: Concentrator started, daemonizing
```

From now on, the process runs in the background and is feeding data to our servers.

If you want to run the binary after every reboot, you need to create the startup script in `/etc/init.d`