



LORATECH Indoor Gateway Start Guide Manual

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IMPORTANT!

Do not power-on the gateway without the antenna connected! The LoRa radio may be damaged!



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1 First run

Connect the antenna to the device with SMA connector. Link the data cable (cat5e UTP recommended) with the RJ45 connector. Connect the power adapter to the device with power connector.

2 Setting up an IP address

- After powering up, the gateway is going to try to obtain an IP-address by using a DHCP discovery procedure.
- If the network does not support DHCP, the gateway will use the fallback address of 192.168.1.77.
- The gateway can be configured using the web interface. Enter the gateway address in the web browser and log in with the default combination (loratech / loratech).
- Alternatively, an SSH client can be used. Connect in with the SSH client (e.g. PUTTY) with default login (loratech / loratech). However, you can not make any changes to the settings through this connection.
- Status page appears after login. It displays a summary of information about the gateway.

Figure 1: Status page

The screenshot shows the Loratech web interface. On the left is a navigation menu with options: Status page (selected), Network setup, LoRaWAN setup, System, Helpdesk, and Logout. The main content area is titled 'Status page' and contains three summary boxes: 'System Information' (showing system time, uptime, load average, temperature, humidity, and firmware version), 'Network' (showing LAN and 3G/LTE IP and MAC addresses), and 'LoRaWAN' (showing EUI and server information). Below these is a 'PFWD Log (last 100 rows)' section displaying a log of system events and network activity.

- IP address can be set up in *Network setup* menu.

Figure 2: Network setup

- To save the settings press the Save button. After doing so we are going to be prompted to confirm *Apply changes* in the top right corner of the window.

3 Setting up LoRa servers

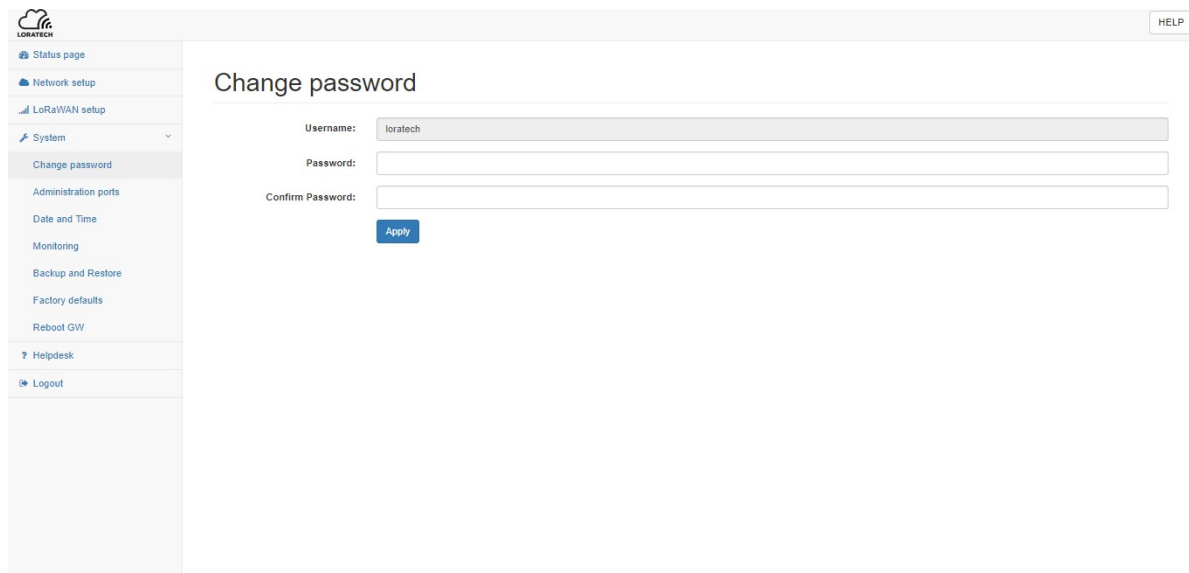
To get EUI and setting up your name, email, GPS coordinates and servers, use the *LoRaWAN setup* menu.

Figure 3: LoRaWAN setup

4 Changing the password

It is recommended to change your password as soon as possible! The password can be changed in the *System* menu and the *Change password* submenu.

Figure 4: Change password



The screenshot shows the LoRaTech web interface. On the left is a navigation menu with the following items: Status page, Network setup, LoRaWAN setup, System (expanded), Change password (highlighted), Administration ports, Date and Time, Monitoring, Backup and Restore, Factory defaults, Reboot GW, Helpdesk, and Logout. The main content area is titled 'Change password' and contains three input fields: 'Username:' with the value 'loratech', 'Password:', and 'Confirm Password:'. Below the fields is a blue 'Apply' button. A 'HELP' button is visible in the top right corner of the interface.

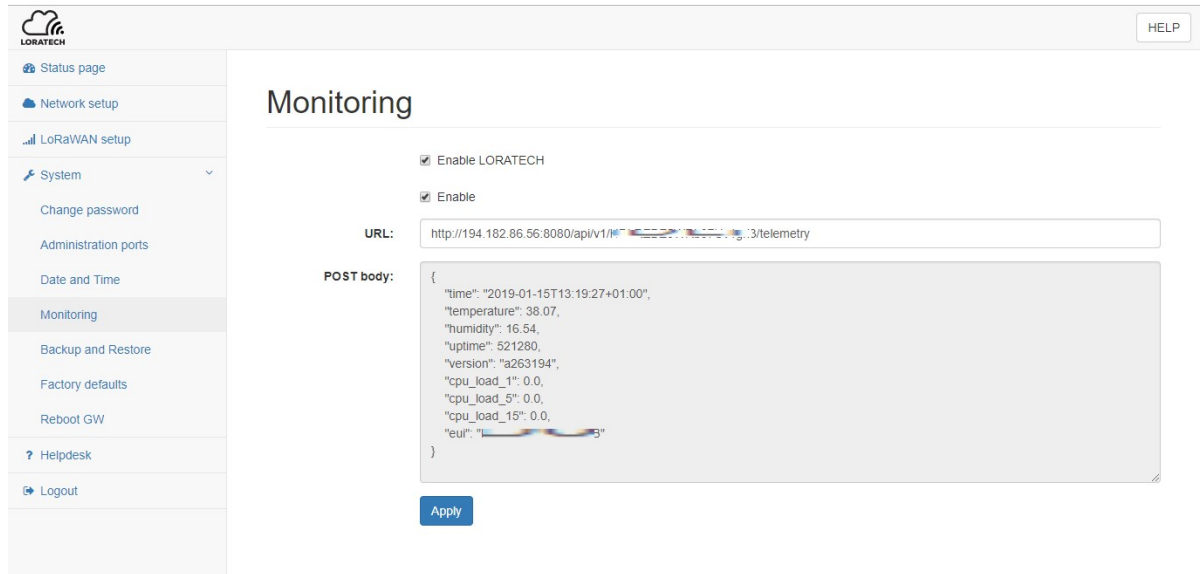
5 Monitoring

To setting up monitoring your gateway use the *Monitoring* submenu in the *System* menu. Enter the URL by following the pattern:

http://194.182.86.56:8080/api/v1/AccessToken/telemetry

The *Access Token* can be obtained in the ThingsBoard, visualization environment, where we will set up a new device in *DEVICES* Then, tap to enter the device settings and press the *COPY ACCESS TOKEN* button to save the mentioned code to the clipboard, the code needs to be inserted into the edited URL.

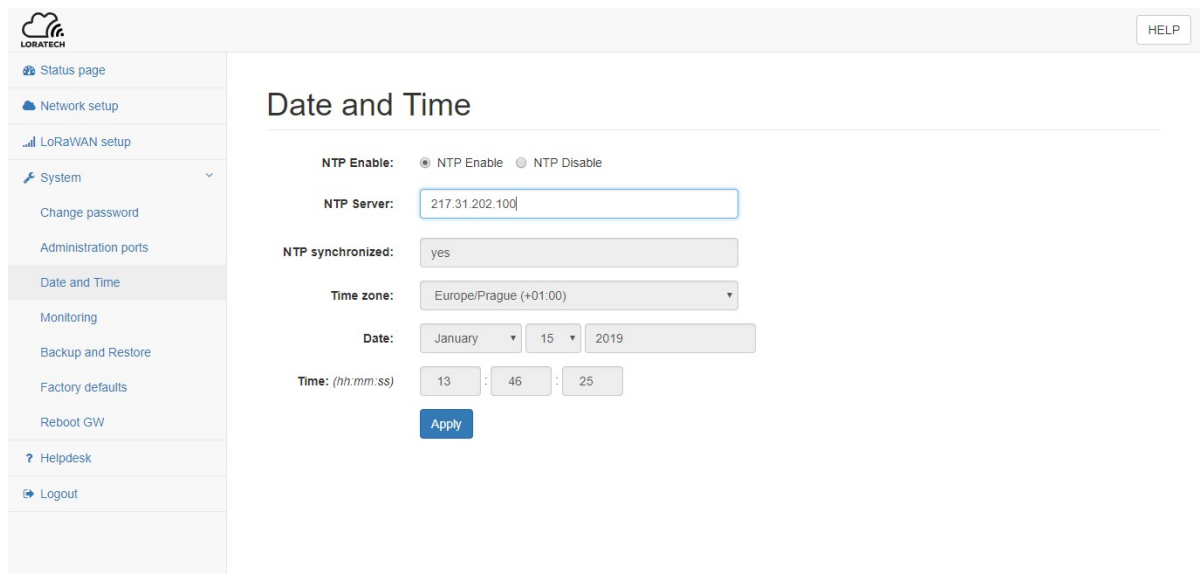
Figure 5: Monitoring



6 Date and Time

For setting up date and time in your gateway and setting up NTP server use the *Date and Time* submenu in the *System* menu.

Figure 6: Date and Time



LORATECH Indoor Gateway

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