



sauermann Gateway for LoRa-Powered Data Loggers User Guide

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**GATEWAY
CONFIGURATION
PROCEDURE
Quick Start Guide**

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Configuration procedure

TrackLog Gateway's Network Management Configuration Changing from DHCP to Static IP

This procedure describes the different steps to follow in order to modify the TrackLog gateway's network management, from DHCP to static IP.

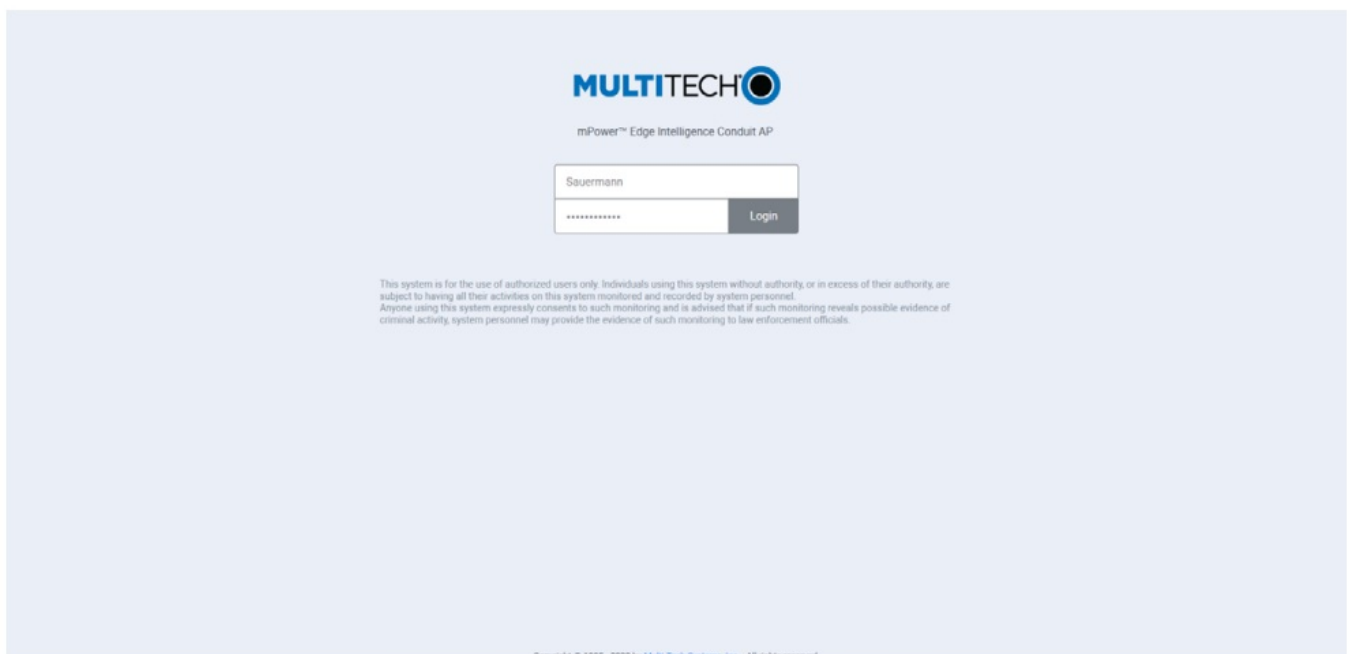
Sauermann hardly recommends not performing any modifications in the gateway's configuration other than the explained in this document. The user is fully responsible for the actions made on the device's configuration and the eventual impact on the TrackLog data loggers that are connected to the specific gateways. Sauermann declines any liability derived from any configuration modifications.

Prerequisites

- This configuration must be only made by trained staff.
- The TrackLog gateway must be connected to the Internet using a server/router.
- This procedure requires a PC connected to the same LAN as the TrackLog gateway.
- This procedure requires the specific IP address that shall be used by the TrackLog gateway in order to connect with the TrackLog Cloud.

Step 1

Using a web browser in a PC connected to the same LAN as the TrackLog gateway, type the current TrackLog gateway's IP address(1) on the address bar and click enter. The gateway's configuration tool is now opened and the Home screen is displayed.



Step 2

Enter the following credentials and click on “Login”:

ID: Sauermann

Password: Sauermann#24

(1) Your company’s IT department will be able to provide this IP address.

Step 3

The screen with the current gateway’s configuration is displayed. Click on “Setup”.

The screenshot shows the MULTITECH mPower Edge Intelligence Conduit AP - Application Enablement Platform interface. The left sidebar contains a menu with the following items: Home, Save And Restart, LoRaWAN®, Setup (circled in orange), Firewall, Tunnels, Administration, Status & Logs, Commands, Apps, and Help. The main content area displays the 'DEVICE INFORMATION' page, which is divided into two sections: 'Device' and 'LAN'. The 'Device' section contains the following information: Model Number (MTCAP-868-001A), Serial Number (19535150), Firmware (5.1.2), Current Time (06/23/2020 13:33:49), Up Time (00:11:51), WAN Transport (None), and Current DNS (192.168.55.204, 192.168.55.205, 192.168.55.206, 192.168.55.205). The 'LAN' section contains the following information: Ethernet (eth0), Mode (DHCP Client), Bridge (—), MAC Address (00:08:00:4A:38:13), IPv4 Address (192.168.12.54), Mask (255.255.252.0), DHCP State (Enabled), and Lease Range (192.168.2.100-192.168.2.150). Below the 'LAN' section, there is a 'Lora' section with the following information: Frequency Band (868), EUI (00-80-00-00-00-01-0A-E4), and Hardware (MTCAP-LORA-1.5). The bottom of the page displays the copyright notice: Copyright © 1995 - 2020 by Multi-Tech Systems, Inc. - All rights reserved.

Step 4

“Network interfaces” is displayed.

Click on the pen allowing to modify the DHCP Client configuration.

The screenshot shows the MULTITECH mPower Edge Intelligence Conduit AP - Application Enablement Platform interface. The left sidebar contains a menu with the following items: Home, Save And Restart, LoRaWAN®, Setup (circled in orange), Firewall, Tunnels, Administration, Status & Logs, Commands, Apps, and Help. The main content area displays the 'NETWORK INTERFACES CONFIGURATION' page, which includes a 'Reset To Default' button and a table with the following columns: Name, Direction, Type, IP Mode, IP Address, Bridge, and Action. The table contains the following data: eth0 (LAN IPv4, ETHER, DHCP Client, 192.168.12.54/22, —, br0), and br0 (LAN IPv4, BRIDGE, —, —, —, —). The 'Action' column for the eth0 row contains a pen icon, which is circled in orange. The bottom of the page displays the copyright notice: Copyright © 1995 - 2020 by Multi-Tech Systems, Inc. - All rights reserved.

Step 5

The screen with the DHCP configuration details is displayed.

Click on the box “Mode” in the menu “IPv4 settings”.

MULTITECH mPower™ Edge Intelligence Conduit AP - Application Enablement Platform
MTCAP-868-001A Firmware: 5.1.2 Sauermann as administrator

Home
Save And Restart
LoRaWAN ®
Setup
Network Interfaces
Global DNS
DDNS Configuration
DHCP Configuration
SMTP Configuration
SNMP Configuration
Time Configuration
Firewall
Tunnels
Administration
Status & Logs
Commands
Apps
Help

NETWORK INTERFACE CONFIGURATION - ETH0

Direction: LAN Bridge: --

☐ Enable IPv6 Support

IPv4 Settings

Mode: DHCP Client (highlighted with orange circle)

IP Address: 192.168.12.54

Mask: 255.255.252.0

Gateway: 192.168.12.2

Primary DNS Server: 192.168.55.204

Secondary DNS Server: 192.168.55.200

Submit Cancel

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Step 6

Select and fill the following items(2) :

- Mode: Static
- IP Address: fill with desired IP address
- Mask: fill with the according information
- Gateway: fill with the according information
- Primary DNS Server: fill with the according information (optional)
- Secondary DNS Server: fill with the according information (optional)

Validate by clicking on “Submit”.

MULTITECH mPower™ Edge Intelligence Conduit AP - Application Enablement Platform
MTCAP-868-001A Firmware: 5.1.2 Sauermann as administrator

Home
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DHCP Configuration
SMTP Configuration
SNMP Configuration
Time Configuration
Firewall
Tunnels
Administration
Status & Logs
Commands
Apps
Help

NETWORK INTERFACE CONFIGURATION - ETH0

Direction: LAN Bridge: --

☐ Enable IPv6 Support

IPv4 Settings

Mode: Static (highlighted with orange circle)

IP Address: 192.168.12.54 (highlighted with orange circle)

Mask: 255.255.252.0 (highlighted with orange circle)

Gateway: 192.168.12.2 (highlighted with orange circle)

Primary DNS Server: 192.168.55.204 (highlighted with orange circle)

Secondary DNS Server: 192.168.55.200 (highlighted with orange circle)

Submit Cancel

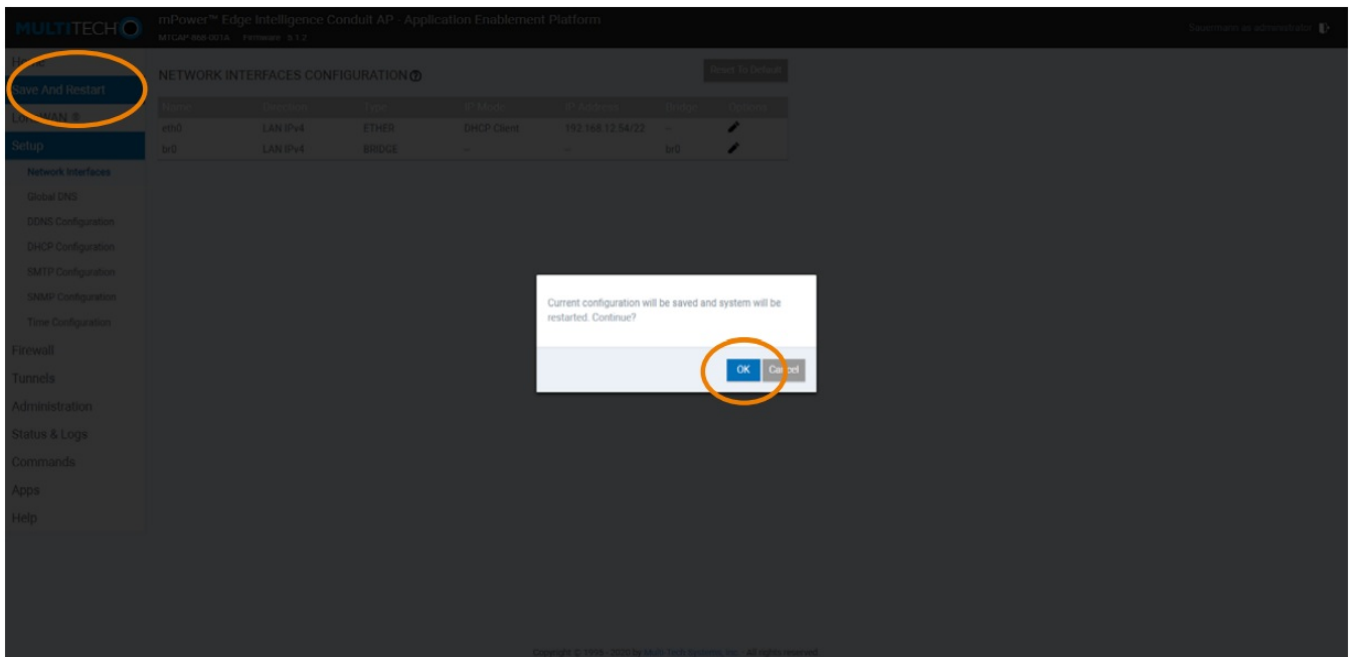
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(2) Your company’s IT department will be able to provide all this information.

Step 7

The Home screen is displayed.

Click on “Save And Restart” and on “OK” in the pop-up window.

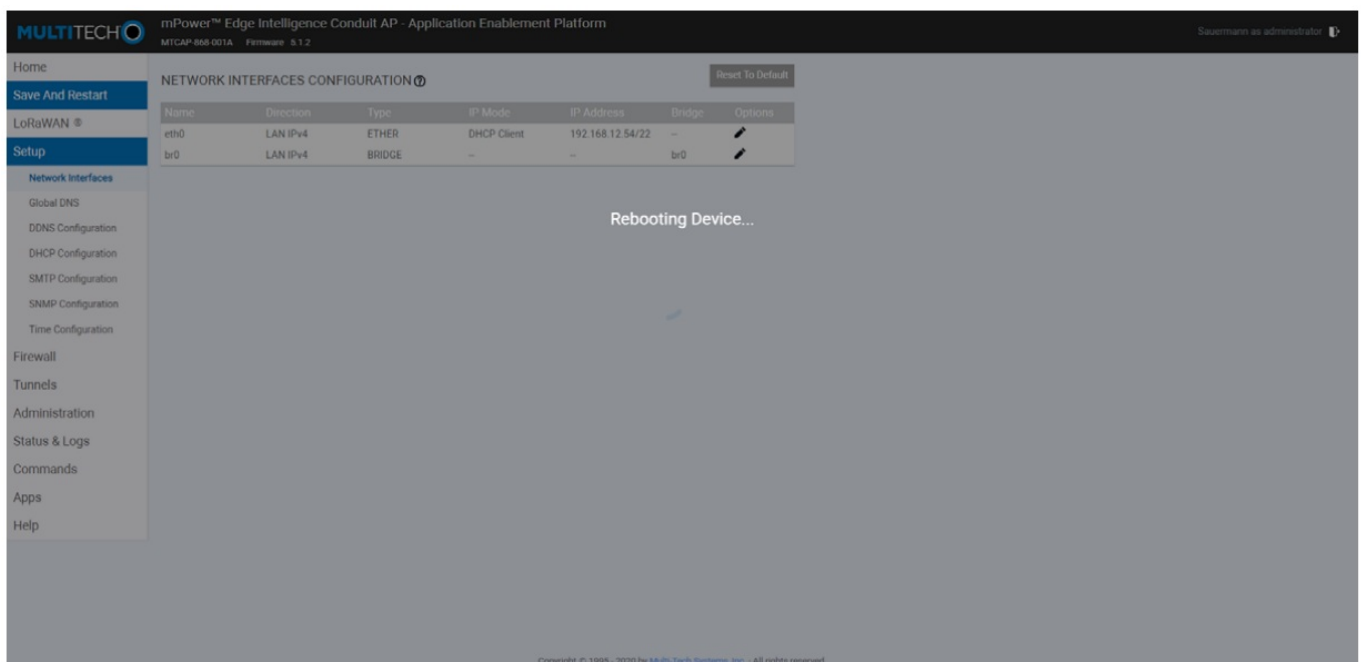


Step 8

The new configuration will be transferred to your TrackLog Gateway.

This process could take up to 5 minutes.

The following screen is displayed during the operation:



Once this setting is done, the Home screen is displayed.

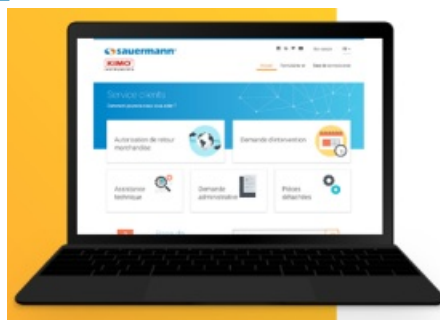
You can now log out.



Customer service portal

Use our Customer service portal to contact us

<https://sauermann-en.custhelp.com>




NTsimp – Gateway – 15/12/2020 – Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice

www.sauermanngroup.com



Documents / Resources

 <p>The image shows the cover of a manual titled 'GATEWAY CONFIGURATION PROCEDURE' for 'Sauerstoff' data loggers. It features the Sauerstoff logo at the top, a diagram of a gateway device, and the text 'Gateway for LoRa-Powered Data Loggers' at the bottom.</p>	<p>sauerstoff Gateway for LoRa-Powered Data Loggers [pdf] User Guide Gateway for LoRa-Powered Data Loggers</p>
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References

- [Manufacturer of Condensate Pumps and Measuring Instruments | Sauerstoff group](#)
- [Services - Homepage](#)