WAGO 750-362 - Commissioning

This brief installation instruction provides a quick overview of all the necessary steps. Additional information, safety instructions, references, and sources can be found in our HelpCenter. The Installation instructions are only valid for the integration of the energy management system and the configuration of relevant assets. Make sure to carefully read the **safety instructions** and adhere to the **infrastructural requirements for a gridBox gateway installation**.

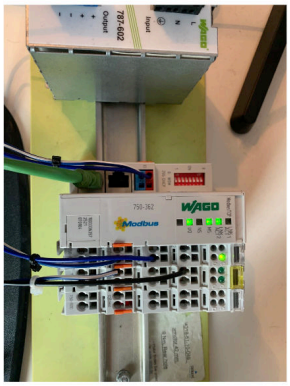
Required:

- Credentials admin
  - Username: admin
  - Password: wago
- Credentials user
  - Username: user
  - Password: user

Connection

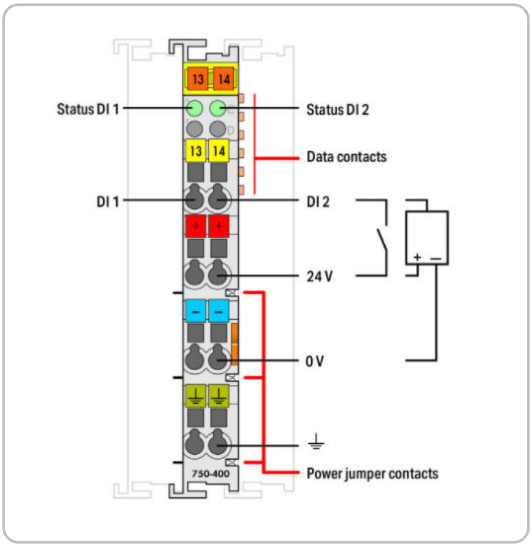
The WAGO I/O system 750 requires 24V DC power supply. The power supply needs to supply the fieldbus coupler and, if necessary, in addition the I/O modules. The following figure shows:

- Fieldbus Coupler Controller 750-362
- Power Distribution Module 750-602
- Two-channel Input module 750-401
- End module 750-600 completes the node and is required for the correct operation of the fieldbus node.



Some I/O modules have a carrier rail contact that dissipates electro-magnetic interference to the carrier rail and since grounding increases the resistance against electro-magnetic interference, make sure grounds are the same for different modules. For more detailed information, check the WAGO Installation manual. Find the description of the wiring scheme in the following figure.[1]

[1] Data_Sheet750-400_09.06.2021.pdf, p.1



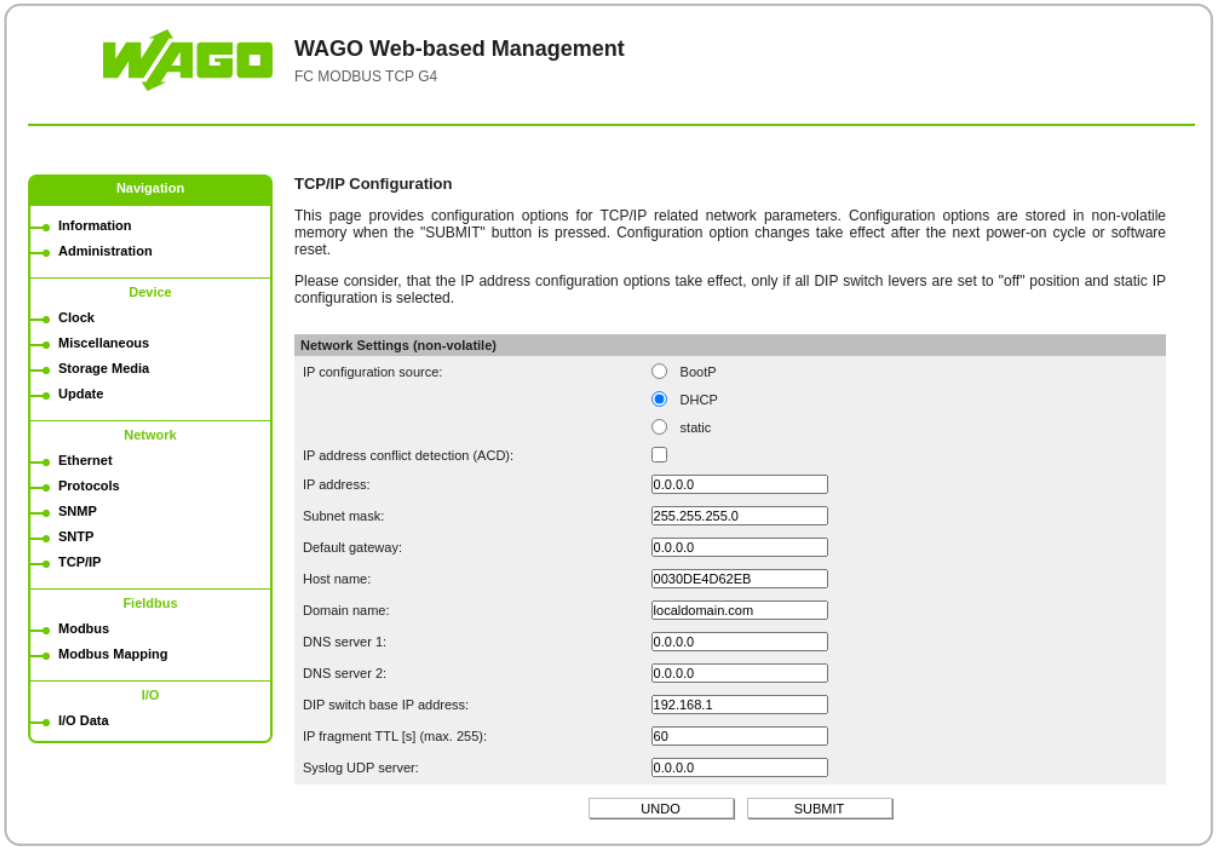
NOTE

This document describes a 2-channel input module setup, but the gridBox supports any number of digital inputs. Refer to WAGO documentation for more complex use cases or documentation on other modules.

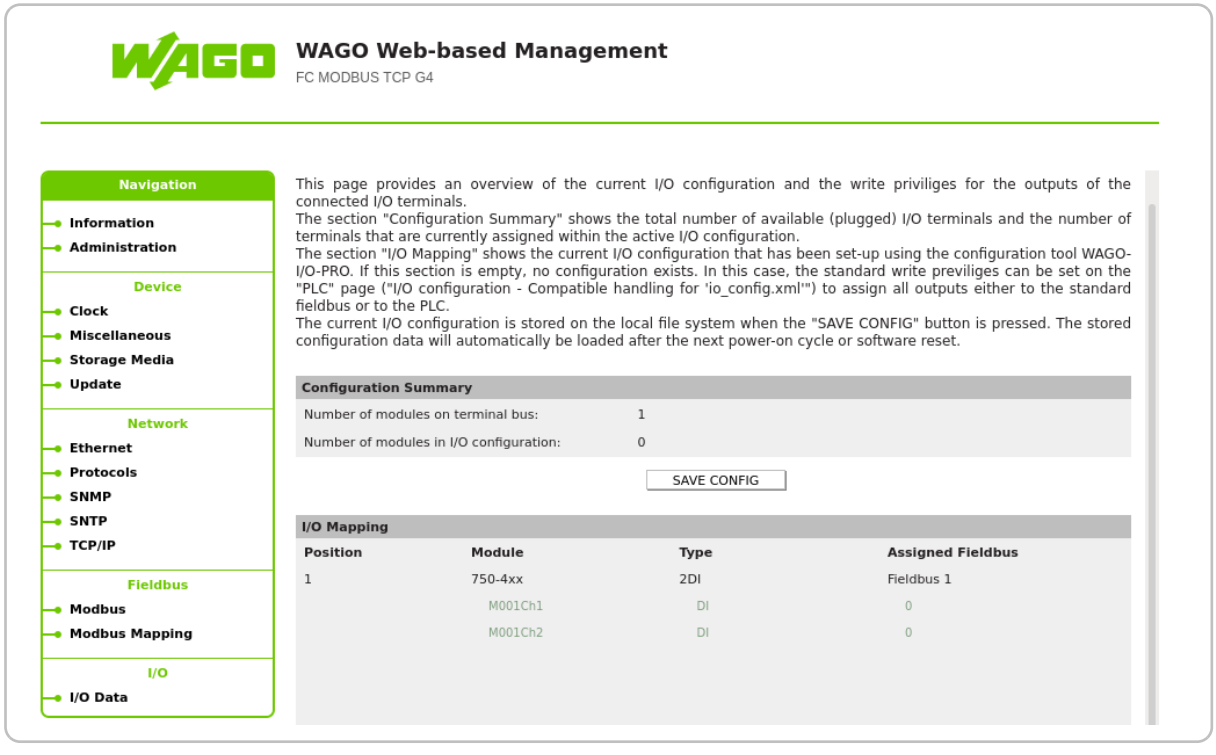
Configuration

The 750-362 Fieldbus Coupler connects as the head station equipped with two RJ-45 ports; no restrictions on which Ethernet port to use are provided.

1. Through the **Network** section on the WAGO Web-Based management UI, select **Ethernet**.
2. You are redirected to set the first username and password.
3. Afterwards, you can modify the Ethernet configuration as described in the following figure.



4. Access the **Protocols** section and enable the **Modbus TCP** protocol on port **502**.

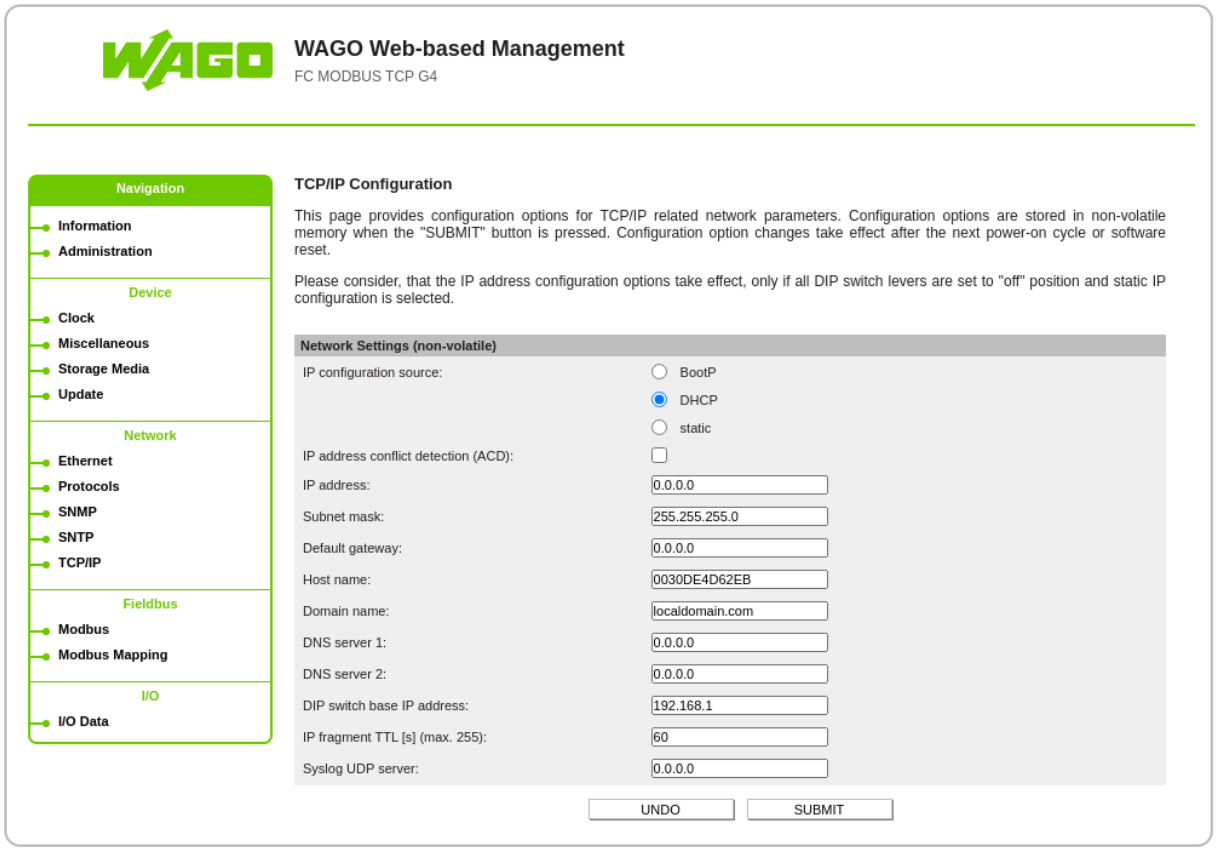


WAGO Web-Based Management UI / configuration software of the manufacturer

1. Make sure that your PC and the fieldbus coupler/controller are connected to the same network

2. Connect the 24V power supply to the supply terminals and the PC's Ethernet interface to the head station's Ethernet interface of the fieldbus node.
3. Determine the IP address of your PC.
4. Assign an IP address to the fieldbus node either via **Address Selection Switch** or **DHCP**.

> **NOTE**
>
> By default, the **Address Selection Switch** is set to **0** , which means the **Web-based configuration** is enabled. DHCP is used by default. For more configuration options, check the Web-based Management UI.



5. Launch a web browser and enter the IP address of the fieldbus coupler/controller in the address bar.
6. Enter your username and password in the query dialog. Default credentials are:
   a. • **Username:** admin
      • **Password:** wago
   b. • **Username:** user
      • **Password:** user
7. Make the desired settings.
8. Click **Submit** to confirm your changes.
9. To apply the settings, you might need to reboot afterwards if this is indicated in the description on the UI. To reset settings, go to the **Administration** section and select **SOFTWARE RESET**.

IO DATA

The **I/O DATA** section on the WAGO Web-Based management UI provides an overview of the connected I/O terminals. Make sure to click on the **SUBMIT** button if you change the number or configuration of modules.