

Trendlog Collect:

A step-by-step setup guide



This is a step-by-step description of the unboxing and initial connection of Trendlog Collect, including connectivity options to start collecting and forwarding data to the Trendlog.io platform for visualization.

Packaged items (default)

- Trendlog Collect box
- Power supply
- Input cable (if requested)

Have items ready

- Sensors
- Signal cables
- Ethernet cable
- Datasheet and Connection Guide

Summarized connection guide

1. Connect sensor and signal input
2. Connect network cable (DHCP server assigns dynamic IP)
3. Connect power to the box
4. The box will then automatically start forwarding data to Trendlog Cloud using the pre-configured API-key

Unboxing and connecting Trendlog Collect (UNO v1)

The first step is to connect the sensors and signals that you want to collect data from.

Connect the sensors and signal inputs

- **CNT1:** This is where you connect your photocell sensor. With this input the Trendlog Collect box supplies the sensor with 24 volts
- **CNT2:** You can also collect a counting signal digitally from an external sensor or pulse from the machine, as this input has a built-in transfer relay/optocoupler, preventing the currents from mixing
 - Blue wire (leg 3) is connected to the sensors' minus wire part (blue)
 - Brown wire (leg 1) is connected to the sensors' signal wire (black)
- **RUN:** This input is also a digital signal (current) and will register the operating signal from the machine. The signal is connected similarly to CNT2 (see Datasheet for further specifications)
 - To collect this input, you need to find or create a signal that goes high when the machine is operating (and low when it isn't)
 - Blue wire (leg 3) is connected to the signal minus wire
 - Brown wire (leg 1) is connected to the signal that is given when the machine is operating (+24vdc signal)

Connect the Trendlog Collect box via Ethernet (standard)

1. If you want to connect the box with the more advanced option of WiFi, please skip this section and continue to the next step (connecting power)
2. The box is set up as a default to receive a dynamic IP address via DHCP-server
3. If you connect an ethernet cable directly to the Collect box (LAN input), it will be assigned a dynamic IP address, only if the internal company network is open for it
4. But if the communication with the DHCP server is opened, and a dynamic IP is assigned, the box will automatically start forwarding data to the Trendlog Cloud due to a pre-configured API-key

Connect the box with power

Take the packaged power supply and connect the box according to specifications, see Datasheet.

Connect the box via WiFi (advanced)

1. If you want to use WiFi for the Cloud connection, connect your computer directly to the Trendlog Collect box in the LAN input with an ethernet cable
2. And when the box isn't assigned a dynamic IP from a DHCP server within approx. 10 seconds, it will be assigned a standard (Fallback) IP address - 192.168.4.127

Connect the box via WiFi (advanced) - continued

3. To access the box, you will need to be connected directly to the network via cable, and configure your own computer to the same network area
4. Then you enter the Fallback IP address in your browser, and you will access the online setup interface of the box
5. The default login details are:
 - a. Username: admin
 - b. Password: welovedata
6. Next, you need to select "WiFi Client" in the setup menu, and set up the box to connect via the selected WiFi network
7. Under "WiFi Client" you need to select the desired network. Enter password to the network under "Passphrase" and select "Add"
8. Select "System" in the navigation menu, and press "Reboot"
9. Wait until the system is visually online under "Wireless Client"
10. Please note, that this is a much more advanced setup type, and we recommend connecting the box directly to an ethernet cable if applicable

→ And from here, you can start visualizing the collected data via **app.trendlog.io**