

2-Wire-LAN

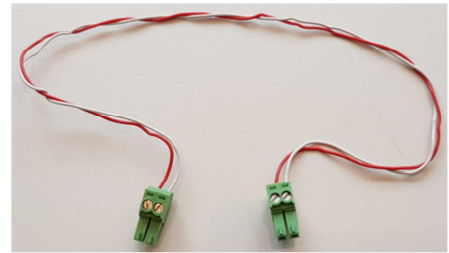
Quick Start Instructions for the 2-Wire-LAN System

Please also use our videos on <https://2-wire-lan.com/installing.html>

- Review the contents for any damages. When in doubt, don't use the devices.
- Do a dry run first: Take out the two (or more) two-wire LAN devices, the 48 volt power supply unit, the primary power connector, a short pair of power wires, and a small screwdriver.

Install

- Connect the green connector with a pair of power wires. Make sure that plus and minus are not switched. There is no correct plus and minus for this. It's more important not to cross the wires when connecting them.
- Plug both connectors into the two devices
- Connect the power supply unit with one of the two devices.
- Now connect the main power connector with the power supply unit and the power.



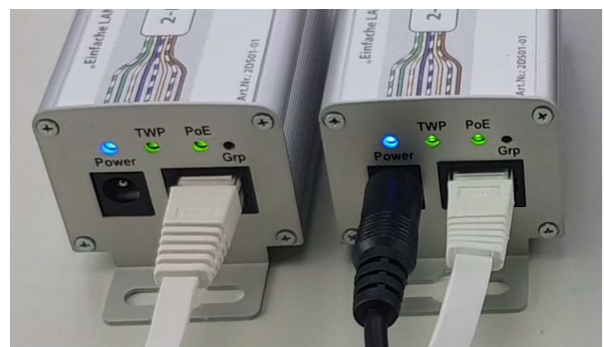
**It is important to introduce the power to the system last
When they are delivered, the devices are in automatic coupling mode and don't need to be explicitly coupled!**

- As soon as the power LED and TWP LED of both devices are on, the two devices are connected
- You can now connect two devices to the LAN interfaces for testing. This could be a switch or your router on the one hand, or a laptop or other LAN device on the other hand. Since the system also supplies PoE power according to IEEE 802.3 af and at, the connected device could also, for example, be an IP camera, an IP phone, or an IP bell.

The lighting of the PoE LED shows that a LAN device is connected. The blinking of the PoE and TWP LEDs shows that data is flowing.



Both devices connected with each other



Both devices connected with LAN. Data is flowing

- To connect a third (or additional) device (that hasn't been in operation yet), disconnect the power from the power supply unit
- Remove the green connector of one of the two devices
- Plug the green connector into the third (or additional) device
- Plug the power of the power supply unit in again
- The third (or additional) device is now also connected

You are now ready to complete the actual installation in your space. See the video **“Mounting at the final Location”** on our Website.

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Decouple Devices

Devices may lose their configuration. This happens when the devices are connected too long with switched plus/minus connections or when contact is faulty for an extended, sustained period of time.

You might also remove a device from the connection configuration in order to set up a new configuration.

- Connect the desired device to the 48 volt power supply unit and connect this to the power
- Press the Grp button (with a paper clip) for twelve seconds
- Release it: You will notice that all LEDs go out and then come on again. If this isn't the case, you didn't hold it down long enough
- Disconnect the device from the power

Couple Devices

- Connect one of the existing devices with this decoupled device
- Now connect one of the two with the power supply unit and power
- Hold down the Grp button of the decoupled device for one second
- Hold down the Grp button of the existing device for one second
- Both devices are now in coupling mode. After about ten seconds, they will have "found" each other. If the TWP LEDs of both devices are lit up, this means the coupling was successful.

Here a few examples of how the connection can be made. A mixture of these can be used as long as no more than five devices are connected with each other.



IMPORTANT: it doesn't matter where the power is fed in. Simply connect the power supply unit to any one of the existing two-wire LAN devices and the others will automatically be supplied. This will generally be the case for the device that is installed at the start. It isn't absolutely necessary though.

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