

# Handling-Shortinstruction for S7-FIREWALL



## Installation

### 1 Voltage connection

For the power supply of the device, either the supplied plug-in power supply unit or an on-site power supply of 24V / DC with min. 350mA power connected to the green 3-pin connector.

With the optional plug-in power supply, the voltage poles are marked by colored wire end ferrules.

The PLUS pole with the color "red", the MINUS pole with the color "blue". The PLUS pole is connected to the left screw terminal and the MINUS pole to the right (outer) screw terminal. The middle connection is for earthing and must be connected to PE .

### 2 Ethernet-Anschluss

If the device is to be integrated into the network or configured via the network, the optionally available patch cable for the connection is plugged into the RJ45 socket (WAN / LAN) and the device can now be reached via its default IP address:

WAN: 192.168.1.57

LAN: 192.168.2.1

### 3 Introduction

S7 firewall is a scalable "SPS firewall" that not only filters IP / MAC addresses. For freely definable connections, access to any data areas of the PLC can be restricted / specified. S7 firewall can be installed anywhere between PLC and operating / programming level. S7 firewall automatically detects the installation direction. Only configured connections are allowed.

## 4 Configuration

In the configuration, the network settings etc. can be parameterized. The input forms are usually self-explanatory. We are happy to receive suggestions from users to make operation even easier.

You have the following options for addressing S7 firewall via WEB browser. Assign an IP address from the corresponding network segment on the PC (for example, 192.168.1.100 or 192.168.2.100) and connect the PC accordingly to LAN or WAN via Ethernet. In the browser enter `http://192.168.1.57`, or `http://192.168.2.1`. Or you set your PC to get IP address automatically and connect it to the LAN port of the TeleRouter. TeleRouter automatically assigns an IP address to the PC. In the browser you can address the device with: `http://telerouter`.

The S7 firewall can be started at any time with this basic setting without losing the settings made.

Proceed as follows:

- Put a paperclip or similar in order to operate the factory reset button. Do not worry, we will not do a factory reset. The button hides between WAN and LAN ports. There is a small hole. Insert the paperclip there .
- De-energize the device
- turn back on
- when the 4 four LEDs go out and only the power LED is on, hold the button with paperclip until all 4 LED's flash fast .
- Release the button
- if the LED S3 (bottom right) is lit, press the button again

When then the device boots in the default setting. Now the desired changes to the network setting can be made. However, these settings do not become active until the device is restarted.

Under the web-address <https://www.process-informatik.de> are product specific documentations or software-driver/-tools available to download.  
If you have questions or suggestions about the product, please don't hesitate to contact us.

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**Menutree Website:**

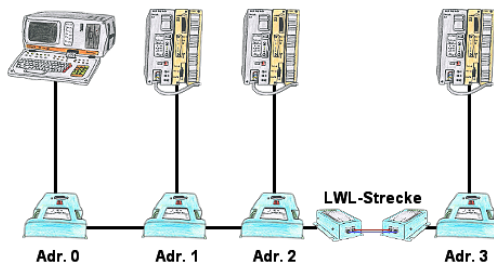
- + Products / docu / downloads
- + Hardware
- + Security
- + S7-Firewall

**QR-Code Website:**



Please make sure to update your drivers before using our products.

## Longer distances for L1-Bus



You need for your L1-Bus higher distance like the possible 1200m? You have strong disturbance on your L1-Bus? You need a serial line for higher distances and this galvanic decoupled? No problem, all this points are solved through the LWL-adapter. They are available for artificial and optical fibre, for L1-Bus and RS232.

## Informations about the bus

S7-LAN V2.63      Kuehlhaus\_1      IP:192.168.1.56

- Startseite
- Verbindungen
- Display
- Modbus
- Konfiguration
- Zugriffschutz
- Resetwert
- Neustart

RPC1000-Verbindungen - MPI									
ID	IP	IP-Adresse	Qualität TSP	Zust TSP	CRU	Busstatus	Parität		
1	radio	-	-	-	-	-	0	-	0
2	radio	-	-	-	-	-	0	-	0
3	radio	-	-	-	-	-	0	-	0
4	radio	-	-	-	-	-	0	-	0
5	radio	-	-	-	-	-	0	-	0
6	radio	-	-	-	-	-	0	-	0
7	radio	-	-	-	-	-	0	-	0
8	radio	-	-	-	-	-	0	-	0

Gateway-Verbindungen		
ID	Adresse	Sendebits
Keine Gateway-Verbindungen gefunden!		

Busstatus																					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
0																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					

Zustand	
Erreichbar	verfügbar
Erreichbar	aktiv
Erreichbar	aktiv
Erreichbar	aktiv
Erreichbar	aktiv

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View information from the connected bus-system in plain text without using the Simatic-Manager or TIA-Portal. With the connection-menu you get the list of reachable nodes, marked in color whether it is an "active bus-participant", is a "candidate for inclusion in the bus" or a "passive bus-participant".

You can also see whether cyclic bus-parameter-protocols have been received, you are "in the bus" yourself, the bus-address of the participant recognized as a "direct participant" (on which the S7-LAN is located) and whether the contained modules such as "variable control", "gateway-coupling",... actively communicate.