Handling-Shortinstruction
for S5-LAN++ V1.3

Hardware

The S5-LAN++-module will be plugged direct on the S5-PG-port and will use the +24V of the PLC.
If the PLC don't have +24V (for e.g. S5-90/95/100U) the device will be usable with external +24V
with the green connector.
The both square LED's in the Ethernet-Connector shows the user the link-state of the network.
Green LED: 100 Mbit/s
Amber-coloured LED: 10 Mbit/s

LED off: no network connected.
LED on: network connected.
LED flashing: communication above the network

The round green LED shows the state of the S5-communication.
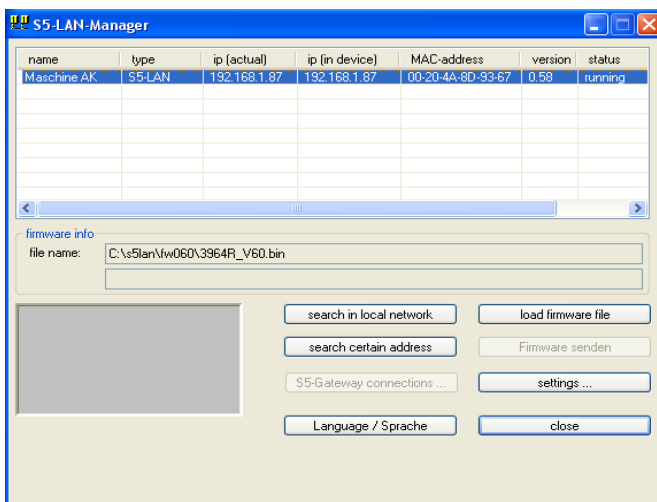LED off: Device is off or booting.
LED on: PLC is ONLINE

LED is flashing slowly and no network is connected ➔ PLC will be searched.
LED and network LED are flashing ➔ there is a communication to the PLC.

S5-LAN-Manager

After pressing the button „search in local network" the user can see in the table all found S5-LAN-
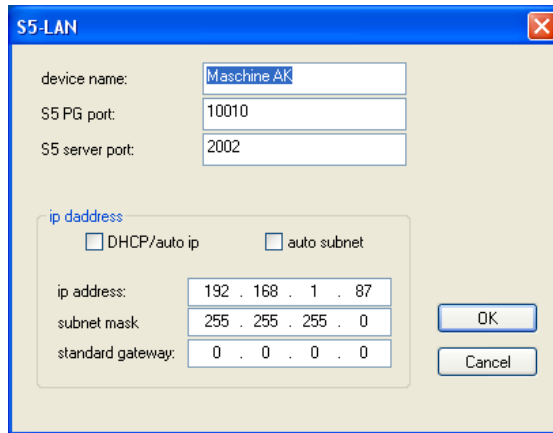modules.

Hint:
When there is no module found, please deactivate the „windows firewall" on your PC and repeat the search. The
modules have by factory-setting DHCP and when there is no DHCP-server in the network, the modules gives
them itself an ip-address from the 169.xxx.xxx.xxx-range. These ip-address-range is often blocked by the
„windows firewall".

Configuration of the device

Select an entry of the table and press the button „settings". Then you got following dialog:

Configure the necessary data:

device name

The device name is an arbitrary name, so you can identify the module correct.

S5 PG port

TCP/IP-port where the programming communication will be handled. In the normal case, you don't have to change them.

S5 server port

TCP/IP-port where the S5-LAN-LINK-protocol resp. the VIPA-protocol will be handled.

DHCP/auto ip

If this item is selected, the device is looking while booting for a DHCP-server. If there is no response within 3 times of searching this server (is taking some seconds) so the module uses an ip-address from the "auto-ip-address-range".

auto subnet

If this item is selected, the device compute the subnet mask automatically. For example for an ip-address of 192.168.0.80 the subnet will be used like 255.255.255.0. In the configuration field subnet mask there is no entry necessary.

ip address

If "DHCP/auto ip" is switched off, the ip-address of the device can be configured here.

Subnet mask

Here is defined the subnet mask of this device. When you configure the mask like 0.0.0.0 so the device will use an auto-subnet mask.

standard gateway

If the device has to use a router, so the ip address of this router has be configured here.

After pressing the "OK"-button, the data will be stored in the S5-LAN++-module and the module is restarting up.

Reset

If the user has configured a wrong ip address and is not able to reconfig the module with the S5-LAN-manager, so the module can be set to the factory default. For this, you have to press with a straighten paper clip through the whole on the switch for 2 seconds. After this 2 seconds the LED begins for a fast flashing. Now you can brake pressing the switch. The module makes an restart and

will start up with the configuration "DHCP/auto id" and "auto subnet". After lighting of the round green LED the modul is ready for working.

Driver PLC-VCom
For the communication with a Step5-programming software a virtual com-port is needed. This com-port is called PLCVCom. You have to install it on your PC. When you communicate with this virtual com-port, the selected product will be driven.
The virtual com-port is only then visible, configurable and usable, when the state of the PLCVCom is "connected". This means, a usable product is responsive.

technical data:
dimension: 42 x 15 x 65 mm
ext. Power supply: 24V DC, 80mA max.
connector: 10/100 MBit (autosensing)
scope of delivery: S5-LAN++-module
                    virtual com-port for windows

Attention: For the S5-plc 6ES5102-8MA02 version 3 will be the PG-ISO- or Netz-Adapter required.

More to the virtual com-port-driver and the S5-LAN++-module as well as the current equipment manual can you download under

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.

Process-Informatik Entwicklungsgesellschaft mbH
Im Gewerbegebiet 1
DE-73116 Wäschenbeuren
+49 (0) 7172-92666-0

info@process-informatik.de
https://www.process-informatik.de

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

Wireless around the machine with LAN-port

Move wirelessly around the machine with LAN-port and communicate for example ONLINE in the status