Handling-Shortinstruction for
S7-WLAN-Bridge V1.1

S7-WLAN-Bridge 9352-S7-WLAN-Bridge

The S7-WLAN-Bridge integrates network devices into a existing WLAN-radio network or establishes a Ad-hoc (computer-to computer) connection, for example with a laptop. This is supplied from the 9-pin S7-PLC PD-interface or an external 24V power supply via the integrated Phoenix connector. The RJ-45 network connector supports auto-negotiation, so it does not matter, whether you use a crossover or a patch cable. The configuration is realised by the mini-USB-B connector witch also supplies the module with power.

Please install the WLANConfig-Tool and the drivers (see link to website) on your computer. See also installation of the WLANConfig-Tool.

Now the S7-WLAN-Bridge could be configured and then connected to the network device, witch should be accessible via WLAN, with a network cable. In this case, the S7-WLAN-Bridge has to be supplied from the S7-PLC or external 24V. Then the network device connects automatically via the S7-WLAN-Bridge with the Access-Point or the Ad-hoc partner.

Connection the external +24V DC

The external supply of +24V DC is done via the integrated Phoenix connector. The externally applied voltage is not allowed to exceed or to get below the value of 24V ± 20%. Die maximum current consumption is 50mA.

The correct pinning of the connector is:
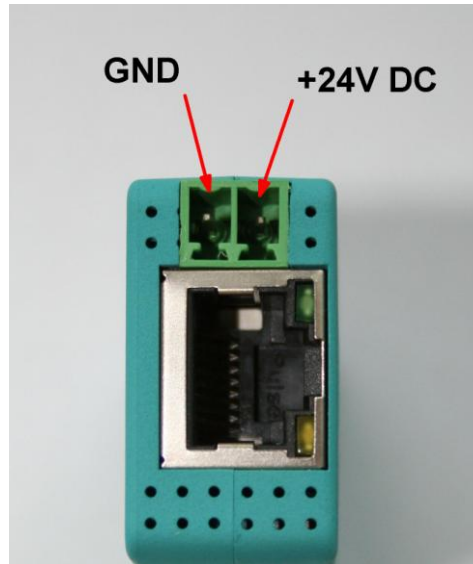
Before using the external power supply, check the correct pinning of the Phoenix plug! The module itself is protected against wrong pinning the phoenix plug, but we can not guarantee for protection for the possible connected assemblies.

Configuration of the S7-WLAN-Bridge

Connect the S7-WLAN-Bridge with the USB-cable to your computer. Start the WLANConfig-Tool and select the COM-Port, which is set in the device manager for your S7-WLAN-Bridge.

For showing the stored parameters in your S7-WLAN-Bridge, click readout. For searching available WLAN-networks, click netsearch and select with the arrow the WLAN SSID that you want to connect to. All other parameters will be filled up automatically. Configure at last

your WLAN-key and click on the button configure. Plug off the USB-cable of the S7-WLAN-Bridge on demand. Your S7-WLAN-Bridge is now correct configured and you can connect your LAN-client to the S7-WLAN-Bridge.

The parameters of the WLAN can be also configured manual, when your WLAN is hidden.

Installation of WLANConfig-Tool

Start the download and setup of the WLANConfig of the named website and follow the installshield through the installation.

Connect the S7-WLAN-Bridge with a USB-cable to your PC and install the USB-driver from the install-folder of the WLANConfig-Tool.

Setting and configuration of the network client to be integrated into the WLAN.

Configure your network client for DHCP / obtain IP automatically when a DHCP-server is running on your access-point.

Configure the ip-address of your network client manually when there is no DHCP-server on your access-point or you will use a ad-hoc-network connection.

Description of the integrated LEDs:

Green LED	Off:	Power is OFF (S7-WLAN-Bridge has no voltage)	
	On:	Power is ON (S7-WLAN-Bridge is supplied with voltage)	
Yellow LED	Off:	Disconnected (S7-WLAN-Bridge is not connected to a WLAN)	
	Flashing:	Calling (S7-WLAN-Bridge tries to connect to a WLAN)	
	On:	Connected (S7-WLAN-Bridge is connected to a WLAN)	

More to the S7-WLAN-Bridge as well as the current manual you can download under: www.tpa-partner.de/mpivers.htm