Operation Quick Start Guide V1.0 for

S5/S7-TimeServer - EUROPE S5/S7-TimeServer - WORLD



This page contains the brief instructions for the S5/S7-TimeServer-devices. Here you will find an overview of the various components on the front and back, basic hardware installation, initial login information, device specifications and general safety instructions. It is highly recommended that you familiarize yourself with the quick start guide before using the device. If you have a CONNECT-CONTROL-device, you will also find a printed version of the quick start guide in the device packaging or online on the device's product page. The only difference between the devices is the used built-in LTE modem. The Europe variant can only be used

in Europe, the World variant anywhere in the world.



Connections:

Frontside:

Backside:



Power connector:

No	Description	Wire-color
1	$+9-30V \ DC$	Red
2	0V	Black
3	E/A	Green
4	E/A	White



Hardware-installation

- 1.) Attach WiFi and GPS antennas (WLAN antenna only if access is to take place via WLAN)
- 2.) Connect the power adapter to the power socket located on the front panel of the device. Then plug the other end of the power adapter into a power outlet.
- 3.) Connect to the CONNECT-CONTROL-device wirelessly or use an Ethernet cable. The associated WIFI SSID and password are located on the underside of the device.

Computer-configuration (Windows):

 Enable the wireless network connection (go to Start → Control Panel → Network and Internet → Network and Sharing Center. In the left panel click the Change adapter settings link. Right click on Wireless Network Connection and select Enable).

Control Panel > Network	and Internet > Networ	k Connections
Wireless Network Conne Disabled	Enable	

- 2.) Setup wireless network adapter on your computer (right click on Wireless Network Connection and select **Properties**. After that select **Internet Protocol Version 4 (TCP/IP)** and click **Properties**).
- 3.) Select **Obtain IP address** and **Obtain DNS server address automatically** if they are not selected. Click **OK**.

Internet Protocol Version 4 (TCP/IPv4) Properties	
General Alternate Configuration	
 Obtain an IP address automatically 	
Obtain DNS server address automatically	
0	
Adva	nced
ОК	Cancel

4.) Right click on Wireless Network Connection and select Connect to see available wireless networks.

Wireless Ne Not connec	twork Connection	
	Disable Connect	

5.) Choose the wireless network **RUT955_****** from the list and click **Connect**. Enter the WiFi password located on the device's label

RUT955_****	% .11
Connect automatically	Connect

Commissioning:

 Connect laptop to this WiFi network or LAN-cable in one of the 3 LAN-port and open with browser webserver with IP: <u>http://192.168.1.1</u>

= menu			
			current system time: 15.12.2021 01:32:31
	add station		
	S7-LAN Modul (192.168.1.94) time adjust successful (15.12.2021 01:32:23)	■∦ ≣ ≁ Q	

The navigation is done by clicking on the navigation-symbol (\equiv) .

The WLAN parameters and the IP address of the S5 / S7 TimeServer can be adjusted in the configuration menu. The integrated NTP server for network devices can also be switched on and off.

Create a PLC station to set the time:

Click on the navigation symbol in the web interface and then on "Station". In the menu that is now open, you can see the stations that have already been created and you can add more by clicking on "Add station".

settings » new station	
name:	
IP address:	
channel type:	OP connection v
rack number:	0 0
slot number:	2 0
automatic:	☑ adjust time automatically
interval:	3600 seconds
target / format:	PLC clock ~
block number:	10 🗘
block offset:	0 0
	save close

Parameter:				
name:	Name of this connection			
IP address:	IP address of S7-PLC (or S7-LAN-module or S5-LAN++)			
chanel-type:	OP-, PG-, or unspecific connection (depending on which connection is free			
••	in the HW-Config of an S7-PLC)			
rack number:	Rack number of S7-PLC (usually 0)			
slot number:	Slot number of CPU-assembly, usually slot 2			
	(for S7-400 with wide power-su	pply slot 3)		
automatic:	If activated, the time is updated according to the interval-information in the PLC			
interval:	Time-interval in which the time is automatically updated when automatic is selected			
target / format:	PLC-clock:	write the time directly to the PLC (only S7-3		
•	DB S7 Date and Time:	time in DB in Date and Time-format		
	DB S7 LDT:	S7-1500: time in \overline{DB} in LDT-format		
	DB S7 DTL:	S7-1x00: time in DB in DTL-format		
	DB binary:	time in DB, binary		
	-	Year:	word	
		Month:	byte [112]	
		Day:	byte [131]	
		Weekday:	byte [06]	
		Hour:	byte [023]	
		Minute:	byte [059]	
		Second:	byte [059]	
		Sommer time:	byte [01]	
		Updated:	byte [01]	
	DB ASCII:	time in DB, ASCII		
		Year:	4 Char	
		Month:	2 Char	
		Day:	2 Char	
		Hour:	2 Char	
		Minute:	2 Char	
		Second:	2 Char	
		Sommer time:	Byte [01]	
		Updated:	Byte [01]	
block number:	for DB-parameter number of data-block			
block offset:	for DB-parameter offset of time-information			

With "save" the entry is accepted and the entry is completed , with "close" without saving the window closed.

In the overview you can see the defined stations:



Stations with a light gray background are stopped, no time is updated here:



More about this product can be found in the download area on the product page.

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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 - + Time + S5/S7-TimeServer







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

Data backup S7-PLC PN-port on FTP-server



S7-PLC triggered DB-backup/-restore without additional PC via PN-port on FTP-server



You are on site your plant and should move round the machine and simultaneously control or monitor. No problem, you parametrize ALF as an access-point and connect your S7-LAN or other network-client to him, connect your PC with him and you are online on the PLC.

S7-300/400 (MPI/DP) to S7-300/400 (MPI/DP)



Coupling S7-controller with MPI/Profibus at S7-controller with MPI/Profibus via network

Remote-maintenance access independent of hardware



Why always take any additional hardware in the luggage for remote-access to your own systems and machines? Installing the Software-CONNECT on your PC you always have with it and access to your own CONNECT-cloud is always possible, no matter where you are.

Internet-access on the PC of course required.