

How to connect SmartLogger1000&2000 to NetEco



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This document describe how to set the Ethernet parameters and Neteco IP server for Smartlogger1000&2000 in order to connect on NetEco monitoring portal.

Use the next IP Neteco server depending on where your PV plant is located:

-Germany:	18.194.52.221	-Australia:	52.65.198.34
-France:	52.58.95.67	-MEA:	52.74.226.230
-UK:	52.51.75.137	-Latin America:	186.200.35.65
-Rest of Europe:	52.58.159.100		
-Turkey:	176.53.45.116		

1. NetEco settings through WebUi for Smartlogger1000&2000

Before connect on WebUi of Smartlogger1000&2000 you need to set your local area connection of your computer with an IP in the same range like Smartlogger1000&2000 (default IP 192.168.0.10):

Go to Windows start \rightarrow Control Panel \rightarrow Network and Internet \rightarrow Network and Sharing Center \rightarrow Change adapter settings \rightarrow Double click on Local Area Connection \rightarrow Double click on Internet Protocol Version 4 and set the IP 192.168.0.15 like below:

Diagnose this connection Rename this connection Change settings of this connection	lection		
Array Networks VPN Adapter Disabled Array Networks VPN Adapter	a Local Area Connection Network cable unplugged Intel(R) Ethernet Connection I219 Wireless Network Connection Wireless Network Connection Wireless Network Connection Wireless Network Connection		
Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties		
Networking Authentication Sharing	General		
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.		
Configure This connection uses the following items:	Obtain an IP address automatically		
I I I Client for Microsoft Networks I I I QoS Packet Scheduler	IP address: 192.168.0.15		
File and Printer Sharing for Microsoft Networks Internet Protocol Version 6 (TCP/IPv6)	Subnet mask: 255 . 255 . 0 Default gateway:		
	Obtain DNS server address automatically		
	Use the following DNS server addresses		
Install Uninstall Properties	Alternate DNS server:		
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit Advanced		
	OK Cancel		
OK Cancel			



Open the next link in a browser (Chrome or IE) <u>https://192.168.0.10</u> and login as advanced user with the default password "Changeme".

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		Ensp	r system I F 2
	Language	English	~
	User Name	Advanced User	
	Password	Changeme	<u>م</u>
		Log In Re	set

1.1 Set the Ethernet parameters

After you login on Smartlogger1000&2000 select Settings menu->Ethernet-> and set the IP in the same range with your router and the Default gateway need to be the same with the router IP and submit.

🖉 @ power system		English 🗸 🔞 🕞 🗍
Enspire	Over View Monitoring Query Settings Maintenance	
🗆 User Param.	Auto obtain IP	
Date&Time	Auto obtain IP Disable (configurable on the LCD)	
Plant	IP address	
Revenue	IP address 192, 168, 0, 10 Set an IP in range with the router	
Comm. Param.	Subnet mask 255, 255, 255, 0	
Ethernet	Default gateway 192_168_0_1 Same like the router IP	
Ethemet	DNS Server Address	
K\$485	Primary DNS server 192, 168, 0, 1	
Power Meter	Secondary DNS server 0. 0. 0	
Management System	Submit	
Modbus TCP		
IEC103		
IEC104		
Extended Parameters		
FTP		
Email		
Port Settings		
DO		
USB		
 Alarm Output 	*	
Time 2018-11-07 04:24	Grid dispatch P : 50.0% Q : cos(Phi)-P curve 👋 Copyright © Huawei Technolog	ies Co., Ltd. 2018. All rights reserved.



The default IP for Smartlogger1000 is 192.168.0.10 and if your local IP of your router is 192.168.0.1 you can leave the default Ethernet parameters like it is and the Smartlogger1000&2000 will be able to connect with the router. You can find the router IP on the label, in general the default IP of the routers is 192.168.0.1 and sometime 192.168.1.1. If your router IP is different set the Smartlogger1000&2000 like below example: Router IP: 192.168.1.1 Smartlogger1000 Ethernet settings:

IP address: 192.168.1.10

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.1(it is same with router IP)

1.2 Set the Neteco IP server

From the setings menu select Management System (Neteco0 and set the Neteco server accordingly with your PV plant location and submit. You can perform a network test if the option is available.



After you set the Ethernet parameter and Neteco IP server contact the service team to check if the Smartlogger1000&2000 communicate with Neteco portal and ask them to create the PV plant and account for you.



2. NetEco settings through LCD screen of Smartlogger1000

2.1 Set the Ethernet parameter

Before you set the Neteco IP server on the Smartlogger1000 you need to set the connection with a router and set the Ethernet parameters in order to connect Smartlogger1000 to internet:

Press enter and with the arrow choose Settings->Login as Advanced user->Com. Parameters->Ethernet and set the IP for Smartlogger1000 in the same range with your router. The default password is "000001".

	Settings->Login	Settings
		User Param. User Password
🞛 🚼 💽 💆 👖 🖭 Settings	User Name: <u>Advanced User</u> ↓ Password:000000	Comm. Param. Restore Defaults
Settings->Comm. Param.	Comm. Param>Ethernet	
RS485-1	Auto obtain IP [:] Disable	
RS485-2	IP address:192.168. 0. 10	
RS485-3	Subnet mask:255.255.255.0	
Ethernet	Gateway:192.168. 0. 1	
NetEco	DNS-1:192.168. 0. 1	
Modbus TCP	DNS-2: 0. 0. 0. 0	
IEC103	Submit	

2.2 Set NetEco IP server

After you set the Ethernet parameters set the Neteco IP server like below:

Press enter and with the arrow choose Settings->Login as Advanced user->Com. Parameters->Neteco (Management System) and set the Neteco IP server accordingly with the PV plant location.



	Settings->Login	Settings
		User Param.
		User Password
	User Name: <mark>Advanced User</mark> 🗢	Comm. Param.
	Password:000000	Restore Defaults
Settings		
Settings->Comm. Param.	Comm. Param>NetEco	
RS485-1	NetEco server:192.168. 8.101	
RS485-2	Port number:16100	
RS485-3	Address mode:Logical address	
Ethernet	SSL encrypt.:Enable	
NetEco	2nd challenge:Enable	
Modbus TCP		
IEC103	Network Test	

If you have the option Network test you can made a test to see if your Smartlogger1000 is connected to the server. The default port number is: 16100. If this option is not available then call the service team to check if your Smartlogger1000 is connected to the server and ask them to create the PV plant and account for you.

3. NetEco settings through SUN2000APP for Smartlogger2000

Search for SUN2000APP in one of the following app stores, download the installation package, and install the SUN2000APP by following the instructions.

- Huawei App Store (Android)
- Google Play (Android)
- App Store (iOS)

3.1 Set the Ethernet parameters

Enable the Bluetooth on your phone and connect on SUN2000APP as Advanced user (default password is "00000a") -> choose from main menu More-> Settings->Comm. Param.->Ethernet->set the IP and Default gateway like below.



00000a password.

Tool Kit

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Log In

Income(€)

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Home

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	Home 🔤	More 🗮			
Inverter QTY 🧱	Rated power(MW)	Settings			
79	2.84	Inverter Inspect			
Output power(kW)					
	0.00	System Maintenance			
Total energy yield (KW	h)(①) E-Daily(kWh)(②)	Device Mgmt.			
0.00	0.00	Device List			

Device logs

Upgrade

Inverter spot

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Alarms

Monitor

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Yield

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Settings		<	Ethernet		<	Ether	net	
		IP address			IP addres	s		
V User Param.	1	192.168.0.10			192.168.0.	10		
Dete 0 Time	5	Subnet mas	sk		Subnet m	ask		
Data& Time	2	255.255.255.	0		IP Address			
Plant	[Default gate	eway		1			
Plant	1	192.168.0.1			IP Addres	s		
Currenew	F	Primary DN	S server		192	168	0	10
ourrency	1	192.168.0.1			Subnot M	ask		
Comm. Param.		Secondary	DNS server		Subilet IV	ask		
	(0.0.0.0			255	255	255	0
Ethernet					Default g	ateway		
					192	168	0	1
RS485					Ca	ncel	Г	ок
NetEco								
Modbus TCP								

3.2Set the Neteco IP server

From the "Settings" menu, "Comm.Param" select Neteco. Select Neteco server and set the Neteco IP server accordingly with your PV plant location. The default port number is 16100 and you can leave like it is.

IEC103



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Settings	K NetEco	K NetEco
Vuser Param.	NetEco server	NetEco server
Data&Time	Port number 16100	Port number 16100
Plant	Address mode Logical address	Address mode
Currency	SSL encryption	
V Comm. Param.	Second challenge authentication	52.58.159.100
Ethernet		Cancel OK
RS485		
NetEco		
Modbus TCP		
IEC103		

If you have the option Network test you can made a test to see if your Smartlogger2000 is connected to the server. The default port number is: 16100. If this option is not available then call the service team to check if your Smartlogger2000 is connected to the server and ask them to create the PV plant and account for you.