

Topic: Changing IP address of an Fieldbus Coupler

ScanIR3 Fieldbus Couplers are factory shipped with default IP address of 192.168.42.20. Some customers based on their company IT structure may feel the need to change this default IP address. The procedure to change the default IP address of the Fieldbus Coupler is given below.

This is how we do it!

1. Connect Fieldbus Couplers to your PC using Ethernet cable. Later, power up your Fieldbus Coupler. Configure IP address of your PC such that the first 3 octets of the IP address match with that of the default IP address of the Fieldbus Coupler.

The subnet mask will be assigned automatically. Refer to the example shown below.

Internet Protocol Version 4 (TCP/IPv4) Properties	? ×
General	
You can get IP settings assigned automatically if your network this capability. Otherwise, you need to ask your network admir for the appropriate IP settings.	
C Obtain an IP address automatically	
Output Use the following IP address:	
IP address: 192 . 168 . 42 . 100	
Subnet mask: 255 . 255 . 255 . 0	
Default gateway:	
C Obtain DNS server address automatically	
• Use the following DNS server addresses:	
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exit	anced
OK	Cancel

2. Ping the IP address of Fieldbus Coupler as ping 192.168.42.20 –t. Response as shown below confirms that network connections are intact & Fieldbus Coupler is communicating with PC.

			- determination				 , .
🔜 C:\W	INDOW	5\system	32\ping.ex	e			
Pingir	ıg 192	2.168.4	2.20 wit	h 32 byte:	s of data:	-	
Reply	from	192.16	8.42.20:	bytes=32	time=1ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=1ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	
				bytes=32			
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=3ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	
Reply	from	192.16	8.42.20:	bytes=32	time=2ms	TTL=128	

Note: The first three octets of IP address of PC should be same as that of Fieldbus Coupler i.e. for the example given above the IP address of the PC can be 192.168.42.X (where X can be any digit from 0 to 255 except 20)

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3. Run XX150 Configurator / Sectormaster Configurator / Zonemaster Configurator program. Navigate to Input/Output tab, select Wago Address & Click on IP Address. Modify the old IP address with new IP address e.g.192.128.22.90. Enter the MAC-Address as well. The MAC-Address is sent along with Fieldbus Coupler.

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Process Instruments

E Configurator		
General Temperature Geometry Data File	Automatic Sector Sector Input/Output Device Sector	
	ADAM/ICP, R5232/485 Converter	
Alarm hold time (default: 2) 2.0 s	G Wago, IP Address	
Deactivate alarm message box 🗍	IP address	-1
Internal temperature of scanner	IP Address X	1
Stop the measurement with an external signal	IP address 192 . 168 . 42 . 20	
OPC Server	Use the BootP-Server to assign this IP-address to the device with the following MAC-address:	
HTTP-Server	MAC-address: 00:30:DE:00:00:00	
	(Please check that this MAC-address matches the actual address of the	
Alarm module Port None	module!)	1 P
	OK Abbrechen	
	OK Cancel Apply	
🧮 Configurator		
General Temperature Geometry Data File Auto	matic Sector Sector Input/Output Device Sector	
- Ar	nalog/Digital Module	
Alexa hald time (defective 2)	RS232/485 Converter	
Alarm hold time (default: 2) 2.0 s	Wago, IP address	
Deactivate alarm message box	IP Address X	1
	Ohne IP address 192 . 128 . 22 . 90	
signal	Use the BootP-Server to assign this IP-address to the device with the following MAC-address:	
	ynchronisatior	
HTTP-Server	On/Off MAC-address: 00:30:DE:0A:D3:7F (Please check that this MAC-address matches the actual address of the	
- Alarm module	(rease creck that this MAC-address matches the actual address of the module!)	
Port None	OK Abbrechen	
ок	Cancel Apply	

- 4. Click OK & then apply the settings.
- 5. Recycle power of the Fieldbus coupler & and Run XX 150 English/ Sectormaster English/ Zonemaster English program.

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7. Ping the new IP address of Fieldbus Coupler.

Renly fro	m 192.128.22.90:	hutes=32	time=3ms	TTL=128	
	m 192.128.22.90:				_
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				-
leply fro	m 192.128.22.90:	bytes=32	time=3ms	TTL=128	
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
	m 192.128.22.90:				
eply fro	m 192.128.22.90:	bytes=32	time=4ms	111=128	
eply fro	m 192.128.22.90:	bytes=32	time=3ms	11L=128	
	m 192.128.22.90:				
	m 192.128.22.90:				
epiy fro	m 192.128.22.90:	byces=32	time=3ms	117=158	

The above response confirms that IP address of Fieldbus Coupler has changed.