# Troubleshoot - Permanent IP Address - Windows 7 Embedded - Beckhoff

How to setup or change the IP address on a Beckhoff CX5120/CX5020 running on Windows 7 Embedded.

Difficulty Easy

Ouration 5 minute(s)

#### Contents

Step 1 - No Teamviewer? Step 2 - IP Information Step 3 - Navigate and Change

Comments

#### Step 1 - No Teamviewer?

Sometimes there is no possible way of connecting to a Beckhoff PC due to an IP address conflict. In this case there are two options:

- 1. The customer must find a monitor with DVI port, DVI cable, USB keyboard, USB mouse and complete the next steps.
- 2. Connect to the PLC via Remote Desktop from the front end PC using the PLC name (i.e F050B)



Remote Desktop Connection					
	Remote Desktop Connection				
Computer:	F100B	•	·		
User name:	None specified				
You will be asked for credentials when you connect.					
Show Options					

### Step 2 - IP Information

When changing a permanent IP address it must be changed to an IP address that has been reserved. The customer is the only person that can assure this. If we cannot gather a permanent IP address put address as high to 250 as possible. Check this IP address is not taken by pinging it.

All other information can be gathered through typing **ipconfig/all** in the command prompt.

ernet adapter Ethernet 2:		
Connection-specific DNS Suffix		
Description		Nesltak 2010 089 Feelly Controller 22
Physical Address		66-6E-8F-10-06-89
DHCP Enabled		
Autoconfiguration Enabled		
Link-local IPv6 Address		
IPv4 Address		
Subnet Mask		255.255.255.0
Default Gateway		192.168.1.1
DHCPv6 IAID		
DHCPv6 Client DUID		
DNS Servers		8.8.8.8
		8.8.4.4
NetBIOS over Tcpip		Enablad

## Step 3 - Navigate and Change

- 1. Go to Start
- 2. Control Panel
- 3. Network Connection
- 4. There will be two networks present: one will show EtherCAT; the other EtherNET or Local Area Connection, Right Click on this and go to Properties.
- 5. Scroll down the connection options and left click the text of Internet Protocol (TCP/IP) and click Properties
- 6. Input IP address, subnet mask and default gateway, preferred and alternate DNS server.
- 7. Click OK to submit.







L. Lo	cal Area Connection Properties	? ×							
Ger	ier Internet Protocol (TCP/IP) Properties								
Co	General								
1	You can get IP settings assigned automatically if your network supports								
Tł	this capability. Utherwise, you need to ask your network administrator for the appropriate IP settings.								
Ī	O Obtain an IP address automatically								
]	Use the following IP address:	© Use the following IP address:							
4	IP address:	192.168.80.141							
F	Subnet mask:	255 . 255 . 255 . 0							
	Default gateway:	192.168.80.1							
	O Obtain DNS server address automatically								
	Use the following DNS server addresses:								
	Preferred DNS server:	192.168.80.2							
	Alternate DNS server:	192.168.80.10							
		Advanced							
		OK Cancel							