

# How to Configure QUICKCHECK <sup>webline</sup> for Network Communication without DHCP

#### Firmware 1.5 or higher

#### WorklistGenerator version 1.5

#### NOTE

This technical note explains how to configure QUICKCHECK <sup>webline</sup> for a network without DHCP. If you want to configure QUICKCHECK <sup>webline</sup> for a network that uses DHCP, please refer to the document "How to Configure QUICKCHECK<sup>webline</sup> for Network Communication using DHCP", D871.200.03/00.

To avoid network conflicts the connection of QUICKCHECK <sup>webline</sup> to your network should be handled by your system administrator. To configure QUICKCHECK <sup>webline</sup> for your network without using DHCP you will need the following network addresses:

- IP address
- subnet mask
- gateway

Your system administrator can provide these address details.

#### NOTE

If your PC is not connected to a network and you wish to connect QUICKCHECK <sup>webline</sup> directly to your PC, the DHCP option of QUICKCHECK <sup>webline</sup> needs to be disabled. Refer to chapter 1 to learn how to disable the DHCP option. Once you completed step 5, please refer to Appendix B.



# 1 Configuring QUICKCHECK webline

- 1. Connect the device to the network and turn on QUICKCHECK webline.
- 2. At the device, use the cursor control key ► to navigate to **Setup** in the menu line of the measurement window and press **OK**. You are now in the setup menu:



3. Use the cursor control key  $\mathbf{\nabla}$  to highlight the menu item **Configure interfaces** and activate it by pressing **OK**.





4. The **Configure interfaces** window appears. Select the **DHCP** option and confirm by pressing **OK**.

Configure interfaces		
Parameter	Value	
RS232 baudrate	57600	
DHCP host name	QUICKCHECK-440	
DHCP	On	
IP address	192.168.0.1	
IP mask	255.255.255.0	
Gateway	192.168.0.254	
	Exit	

5. Disable DHCP by selecting *Off* and confirm by pressing *OK*. Save your choice by moving the cursor to *Save* and confirm by pressing *OK*.

Configure interfaces					
Parameter			Va	alue	
RS232 baudrate		57600			
DHCP host name		QUICK	СНЕ	CK-440	
DHCP			DHC	P	
IP address					
IP mask	Off				
Gateway	Un				
,	,			Save	Exit

If your PC is not connected to a network and you wish to connect QUICKCHECK <sup>webline</sup> directly to your PC, please refer to Appendix B now.

If your PC is connected to a network, please proceed with step 6.



6. In the **Configure interfaces** menu, use the cursor control key ▼ to highlight the menu item *IP address* and activate it by pressing *OK*.

Configure interfaces			
Parameter	Value		
RS232 baudrate	57600		
DHCP host name	QUICKCHECK-440		
DHCP	Off		
IP address	192.168.0.1		
IP mask	255.255.255.0		
Gateway	192.168.0.254		
,	Exit		

7. Use the cursor control keys  $\blacktriangle$  and  $\blacktriangledown$  to enter the IP address provided by your system administrator.

Configure interfaces			
Parameter	Value		
RS232 baudrate	57600		
DHCP host name	QUICKCHECK-440		
DHCP	Off		
IP address	192.168.0.1		
IP mask	IP address		
Gateway			
	192 168 000 002		
	Save Exit		

- 8. Navigate the cursor to Save and confirm the IP address you entered by pressing OK.
- 9. Select the menu item *IP mask* and enter the Subnet Mask address provided by your system administrator. Save your choice.
- 10. Select the menu item *Gateway* and enter the Gateway address provided by your system administrator. Save your choice.
- 11. Leave the configuration menu.
- 12. Now that you have configured QUICKCHECK <sup>webline</sup>, you need to set up the LAN connection in the WorklistGenerator software (refer to chapter 2).



# 2 Setting up the LAN Connection in the WorklistGenerator Software

# NOTE

You have to adjust the settings for the data transfer for QUICKCHECK software and WorklistGenerator software only in one of the programs. These settings affect always both programs.

#### NOTE

By default, QUICKCHECK software and WorklistGenerator software search automatically for connected QUICKCHECK <sup>webline</sup> devices whenever one of the programs is started. This technical note assumes that the default setting was not changed and the automatic search is enabled (*Tools*  $\rightarrow$  *Options*  $\rightarrow$  *Search device after program start*).

- 1. Install QUICKCHECK software on your PC. WorklistGenerator software is part of the QUICKCHECK software package and will be installed at the same time.
- 2. Make sure QUICKCHECK <sup>webline</sup> is turned on and connected to the network.
- 3. Start the WorklistGenerator software on your PC.
- 4. The WorklistGenerator software will automatically look for QUICKCHECK <sup>webline</sup> devices connected to the PC. While the search is running, the *Find Devices...* box will appear:



**Please note:** It is possible that this search will be blocked by your firewall. If you are not able to unblock the calling program (WorklistGenerator software), contact your system administrator.



5. If the automatic search found a QUICKCHECK <sup>webline</sup> connected to your PC or the network, the **QUICKCHECK Devices** dialog will appear, listing all connected devices:

QUICKCHECK Devices	
Select Device	
LAN; IP=192.168.0.1; SER=440	
	OK Cancel

Check the serial number(s) of the device(s) in the *QUICKCHECK Devices* dialog (SER=...) to make sure your QUICKCHECK <sup>webline</sup> appears in the list. Select the device for which you want to set up the new connection. Click *OK*. WorklistGenerator software will automatically set up the connection.

6. If the QUICKCHECK <sup>webline</sup> you want to connect is not listed in the **QUICKCHECK Devices** dialog or if an error message appears, the connection cannot be created automatically.

Check again if the device is turned on and properly connected to your network. Remember that the DHCP option of the device needs to be enabled. Restart the software.

If the QUICKCHECK <sup>webline</sup> you want to connect is still not listed in the dialog, or you still get the message that the connection was not successful, you have to set up the connection manually (refer to Appendix A).

#### NOTE

The automatic search function checks for the last established connection first.

- As long as the last established connection is detected, this connection will be used.
- If the last established connection cannot be found, the program searches for other connected devices and lists them in the *QUICKCHECK Devices* dialog. You can either select one of the detected connections to set it up in the software, or click *Cancel* to keep the previous connection as standard setting.
- If the program cannot detect any connections, an error message appears.



# Appendix A

If your QUICKCHECK <sup>webline</sup> is not listed in the **QUICKCHECK Devices** dialog, or you get a message that the connection was not successful (e.g. because the firewall blocked the automatic search), you have to set up the LAN connection manually.

1. In WorklistGenerator software, select *Tools → Options* in the menu bar.



2. The **Options** window will appear and the **Device** tab will already be selected:

🛱 Options	×
Device Data Analyze Print	
Connection	
Connection_default; RS232; CDM=1	
Search device after program start	
OKCa	ncel



3. To set up a new connection click the .... button. The *Connection Control Center* dialog will appear:



4. To create a new LAN connection, click the *New...* button in the *Connection Control Center* dialog. The *New Connection* dialog will appear:

New Connection			
Type LA	N (UDP)		
Property	Value		
Name	LAN-Connection		
IP_Address/HostName			
Enter the device IP address/DHCP hostname or Find			
Find	OK Cancel		

5. Adjust the parameters required for the connection:

, ,	
Туре:	LAN (UDP)
Name:	user-defined name of the connection (your choice)
IP address:	enter the IP address you have set for QUICKCHECK webline in chapter 1
	step 8 (if you did not change the IP address of the device, enter the
	factory default setting: 192.168.0.1)

6. Confirm the settings with **OK**.



7. In the *Connection Control Center* dialog the new connection will be displayed. You can test it by selecting the connection and clicking *Check*.

Connection Control Center		
Connections		
Connection_default; RS232; COM=1		New
LAN-Connection; LAN; IP_Address=192.168.0.1		Edit
		Delete
		Check
	ок	Cancel

8. A message that the connection was successful should appear.

Connections X
Connection to <192.168.0.1> successful. PTW;QUICKCHECK;1.5RC10;345;5ER=440
OK

Confirm with the *OK* button. If your connection attempt was not successful, double-check the settings in step 5. Make sure the device is turned on and connected to your network.

9. Select your new connection in the *Connection Control Center* (if not already selected) and confirm with the *OK* button. The *Device* tab in the *Options* window should now display your new connection.

Close the **Options** window by clicking the **OK** button. The LAN connection between QUICKCHECK <sup>webline</sup> and your PC is now established.



# Appendix B

#### NOTE

If your PC is NOT connected to a network and you wish to connect QUICKCHECK <sup>webline</sup> directly to your PC, please proceed as follows.

# **General Information**

Please note that the DHCP option of QUICKCHECK <sup>webline</sup> needs to be disabled if you wish to directly connect your PC to QUICKCHECK <sup>webline</sup> via LAN cable (see chapter 1 steps 1-5 to learn how to disable the DHCP option).

When directly connected, QUICKCHECK <sup>webline</sup> and the PC can communicate only when the IP addresses of the device and the PC's network interface are in the same subnet (subnet mask of the network interface). For the connection to work, you will have to manually assign IP addresses and subnet masks.

#### The factory defaults for the network addresses on the device are:

- IP address: 192.168.0.1
- Subnet mask: 255.255.255.0
- Gateway: 192.168.0.254

We recommend that you keep these settings when establishing a direct connection, so that you only have to change your PC's network addresses. If the factory defaults have been changed already, refer to chapter 1 of this document to learn how to change the network address details of the device.

This technical note will assume that the network address details of the device are set to factory default.

To learn how to change your PC's network address in Windows 7, refer to B1. To learn how to change your PC's network address in Windows XP, refer to B2.



# B1 Windows 7

1. Click the Windows Start menu and type *network and sharing* into the Windows 7 search bar. Select *Network and Sharing Center* when it comes up.

Control Panel (3)
Network and Sharing Center
Find and fix networking and connection problems
🔣 Choose homegroup and sharing options
₽ See more results
network and sharing Shut down

2. When the *Network and Sharing Center* window opens, click on *Change adapter settings*.





3. In the next window, right-click on the *Local Area Connection* item and select *Properties*.



4. In the *Local Area Connection Properties* window, highlight *Internet Protocol Version 4 (TCP/IPv4)* then click the *Properties* button.

Local Area Connection Properties	x
Networking Sharing	
Connect using:	
Marvell Yukon 88E8072 PCI-E Gigabit Ethemet Controller	
Configure	
This connection uses the following items:	
✓ Client for Microsoft Networks   ✓ ■ GoS Packet Scheduler   ✓ ■ File and Printer Sharing for Microsoft Networks   → Internet Protocol Version 6 (TCP/IPv6)   ✓ ▲ Internet Protocol Version 4 (TCP/IPv4)   ✓ ▲ Link-Layer Topology Discovery Mapper I/O Driver   ✓ ▲ Link-Layer Topology Discovery Responder	
Install Uninstall Properties	
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
OK Cancel	



5. In the *Internet Protocol Version 4 (TCP/IPv4) Properties* window, select the radio button *Use the following IP address* and enter the IP address of QUICKCHECK <sup>webline</sup>, but change the digits in the last block. You can choose any value from 2 - 254, the important thing is that the value differs from the one in the IP address of QUICKCHECK <sup>webline</sup> (Example: if the IP address of the device is 192.168.0.1 you can enter anything from 192.168.0.2 to 192.168.0.254).

For Subnet Mask and Default Gateway enter the IP Mask and Gateway addresses of the device (factory default: IP mask 255.255.255.0, Gateway 192.168.0.254).

Internet Protocol Version 4 (TCP/IP)	v4) Properties
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator
C Obtain an IP address automatica	lly
• Use the following IP address:	
IP address:	192.168.0.2
Subnet mask:	255.255.255.0
Default gateway:	192.168.0.254
C Obtain DN5 server address autor	matically
└ Use the following DNS server add	dresses:
Preferred DNS server:	· · ·
Alternate DNS server:	
Validate settings upon exit	Advanced
	OK Cancel

- 6. When you are finished, click **OK**.
- 7. Close the *Local Area Connection Properties* window.
- 8. Now that the network address details of your PC are adjusted, you can set up the LAN connection in the WorklistGenerator software as described in chapter 2 of this document.



# **B2 Windows XP**

1. Right-click on *My Network Places* and select *Properties*.



2. In the window that opens, right-click on the *Local Area Connection* item and select *Properties*.





3. In the window that comes up, highlight *Internet Protocol (TCP/IP)* and click the *Properties* button.

Lonned	xt using: /Mware Accel	lerated	AMD P	CNet A	1	Configure
his co	innection uses	the fr	ullowina i	tems:		Coningero
	Client for Mi File and Prir QoS Packe Internet Pro	crosofi hter Sh t Sche tocol (	t Networ aring for duler TCP/IP)	ks Microse	oft Net	works
	nstall		Unins	tall		Properties
Tran wide acro	smission Cont area network ss diverse inte	rol Pro proto erconn	tocol/Ini col that p ected ne	ternet P provides stworks.	rotocol : comm	. The default iunication
Sho	w icon in notil	ficatior	n area wi	hen cor	inected	1



4. In the *Internet Protocol (TCP/IP) Properties* window, select the radio button *Use the following IP address* and enter the IP address of QUICKCHECK <sup>webline</sup>, but change the digits in the last block. You can choose any value from 2 - 254, the important thing is that the value differs from the one in the IP address of QUICKCHECK <sup>webline</sup> (Example: if the IP address of the device is 192.168.0.1 you can enter anything from 192.168.0.2 to 192.168.0.254).

For Subnet Mask and Default Gateway enter the IP Mask and Gateway addresses of the device (factory default: IP mask 255.255.255.0, Gateway 192.168.0.254).

'ou can get IP settings assigne his capability. Otherwise, you n he appropriate IP settings.	d automatically if your network supports eed to ask your network administrator for				
Obtain an IP address auto	matically				
Use the following IP addre	\$8:				
IP address:	192.168.0.2				
Subnet mask:	255 . 255 . 255 . 0 192 . 168 . 0 . 254				
Default gateway:					
	s automaticallu				
Use the following DNS ser	ver addresses:				
Preferred DNS server:					

- 9. When you are finished, click **OK**.
- 10. Close the network connection properties window.
- 11. Now that the network address details of your PC are adjusted, you can set up the LAN connection in the WorklistGenerator software as described in chapter 2 of this document.

PTW-Freiburg Lörracher Straße 7 • 79115 Freiburg • Germany Phone +49 761 49055-0 • Fax +49 761 49055-70 info@ptw.de • www.ptw.de