neoLASE Amplifier Systems





Software

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1 Laser Control Software

To control the laser system connect the laser and the control PC to you local network. Also direct communication from PC and laser is possible. Please check that your PC network settings are DHCP. To check the general communication the laser should show up in the network area of the PC. By clicking on the properties for the laser you can see his IP address.

Depending on the systems configuration there are two different Software options available. There is a version based on a Remote Display connection (neoCON) or a web based user interface.

1.1 neoCON

The neoCON software can be downloaded from the neoLASE homepage. There is no installation required as the file is an executable. Start software by double click.

- Go to File > Connect
- The connect window will open. In the "Hostname" field type the Laser Control Unit's IP address or hostname (can be found on the back side of the laser) and leave the password field blank or use "neoLASE" and click "OK".

NOTE: If the name server of your network do not automatically register the hostname, this connection type may fail and you need to connect by using the IP address.

🔳 Remote Display Control for Windows CE 🛛 🗖 🖾
File Zoom Tools Help
Connect Hostname: 10.50.190.XXX Password:
OK Cancel

• You will be connected to the main screen of the Laser Control GUI.

1.2 Web Interface

A web-browser requires a *Java VM* to display the web-based visualization TwinCAT PLC HMI Web.

• For PC-based systems this is available free of charge from several providers, e.g. <u>www.sun.com</u>

Since Java-VM (Virtual Machine) version 1.7.0_51 you have manage the exception site list in the "Java Control Panel" (see Chapter 2).

Start

The client calls up the website with this URL:

http://<IP- or -Hostname-of-device>/TcWebVisu/

Examples:

- http://10.50.190.65/TcWebVisu/
- http://neoVAN_101505/TcWebVisu/



2 Troubleshooting

2.1 Unable to connect

If you are unable to connect please check if the laser is connected to your PC and you can find the laser in the local network area.

If you are using the web based interface please check the following Java settings.

Manage Java Virtual Machine

Since Java-VM (Virtual Machine) version 1.6.0_14 you have to carry out the following settings (*fig.* 1):

In your Control Panel (Windows XP / 7) you can find the entry "Java". If you select this entry, the "Java Control Panel" window opens. Now please select the button "Network Settings". Here you have to set the option "Direct connection".



fig. 1

Manage the Exception Site List of Java-Virtual-Machine

URL to the exception site list in the Java Control Panel, following these steps:

1. In the section "Security" click "Edit Site List" (fig. 2),

当 Java Control Panel	×
General Update Java Security Advanced	
☑ Enable Java content in the browser	
Security level for applications not on the Exception Site list	
Very High - Only Java applications identified by a certificate from a trusted autallowed to run, and only if the certificate can be verified as not revoked.	hority are
High - Java applications identified by a certificate from a trusted authority are run, even if the revocation status of the certificate cannot be verified.	allowed to
Exception Site List	Д
Applications launched from the sites listed below will be allowed to run after the a	ppropriate security
Click Edit Site List	
to add items to this list.	it Site List
Restore Security Prompts Manag	e Certificates
OK Car	cel Apply

fig. 2

- 2. Click Add in the Exception Site List window (fig. 3),
- 3. Type the URL (e.g. http://10.50.190.65 or http://neoVAN_101505) into the empty field that is provided under Location,
- 4. Continue to click Add and enter URLs until your list is complete,
- 5. Click **OK** to save the URLs that you entered.

🍰 Java Control Panel			- • ×		
General Update Java Security Advanced					
Enable Java content in the browser					
	Exception Site List		X		
Security level for app Applications launched from the sites listed below will be allowed to run after the appropriate security prompts.					
allowed to run,	Location				
	http://10.50.190.65				
High - Java app run, even if the	http://hylase_201502				
run, evenn are	Ittes://www.example.com/dk/or.https://ww	w.examp	H. COM/BDD. N.M.		
		Add	Remove		
	FILE and HITP protocols are considered a se	CURITY RISK	c, we recommend		
		ОК	Cancel		
Exception Site List	from the sites listed below will be allowed to sup of	they they are	and a second to the second		
prompts.	from the sites listed below will be allowed to run an	ter the ap	opropriate security		
Click Edit Site List to add items to this list		Edit	t Site List		
		Lun	l bitte Eistin		
	Restore Security Prompts	Manage	e Certificates		
	ОК	Cano	cel Apply		

fig. 3