

The Problem

User enters a jump position in open or closed loop with the PiSoWorks Software via ethernet connection. The piezo does not jump to the position and the software shows the following error message: "Input string was not in the correct format" with the visual errors in graphical user interface.

The Reason

Ethernet connection requires alternate serial settings/flow controls than the standard USB control mode.

The Solution

Please follow these directions below in order:

Record the IP address for the NV/200D NET. This can be found in the PiSoWorks software under "Device Select".

Before the process is initiated, PiSoWorks and any other external digital interface must be switched off, such as telnet and other scripts that run ethernet over connection.

- 1. Open the web browser and enter the IP address of the NV 200/D NET.
- 2. As Figure 1 describes below, the following window will pop-up (German or English):

Melden Sie sich an, um auf diese Website zuzugreifen.	English:
Autorisierung angefordert von http://192.168.10.146 Ihre Verbindung mit dieser Website ist nicht sicher.	Log in to access website.
Benutzername	Authorization request from <u>http://[IP</u> Address].
Kennwort	User name:
Anmelden Abbrechen	Password: Sign In/Register Cancel

Figure 1 Sign-in Window in German or English

- 3. Press Anmelden/sign-in without entering any credentials.
- 4. As shown in Figure 2, you will be directed to the main web interface of the NV 200/D NET.

<u>ቆ</u>	Device Status		
Network			
Server			
Serial Tunnel			
Hostlist Product Information			
Serial Settings	Firmware Version:	V6.10.0.3	
Connection	Build Date:	29-Dec-2017	
Email	Network Settings		
Trigger 1	MAC Address:	00-80-A3-F7-CB-B0	
Trigger 3	Network Mode:	Wired	
Configurable Pins	DHCP HostName:	< None >	
Apply Settings	IP Address:	192.168.10.146	
	Default Gateway:	192.168.10.250	
	DNS Server:	192.168.10.61	
Apply Defaults	MTU:	1400	
Арру Delauits	Line settings		
	Line 1:	RS232, 115200, 8, None, 1, Software.	

Figure 2 Lantronix Main Page

5. Choose "Serial Settings" under Channel 1, and update the Flow Control parameter to Xon/Xoff (Step 1) and then press OK as shown in the circle on the picture (Step 2). Finally, "Apply Settings" (Step 3) and the serial setting should be adjusted.

۵°	Serial Settings		
letwork	Channel 1		
Server	Disable Serial Port		
Serial Tunnel	Devi de Wenne		
HOSUISI Channel 1	Port Settings		
Serial Settings	Protocol: RS232	Flow Control Xon/Xoff	
Connection	Baud Rate: 115200 ✔ Data Bits: 8 ✔	Parity: None Stop Bits: 1	
Email			
Trigger 1	Pack Control		
Trigger 3	Enable Packing		
Configurable Pins	Idle Gap Time: 12 msec ¥		
Apply Settings	Math 2 P.t. Commun. Out. Out.	Qued France Immediates Oracle Const	
	Match 2 Byte Sequence: Ves No	Send Frame Immediate: Ves No	
	Match Bytes: 0x 00 0x 00	Send Trailing Bytes: None One Two	
Apply Defaults	(Hex)		
	Flush Mode		
	Flush Input Buffer	Flush Output Buffer	
	With Active Connect: Yes No	With Active Connect: O Yes No	
	With Passive Connect: O Yes No	With Passive Connect: O Yes No	
	At Time of Disconnect: Yes No	At Time of Disconnect: O Yes No	

Figure 3 Change of Flow Control

- 6. Now, wait a minimum of 10 seconds until the NV 200/D NET ETHERNET port auto-restarts. The light indicator near the port should begin to blink.
- 7. Open the PiSoWorks software and verify the input values are accepted. The configuration is now complete.

Please contact us if the problem remains or another error occurs. Thank you for your understanding.

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