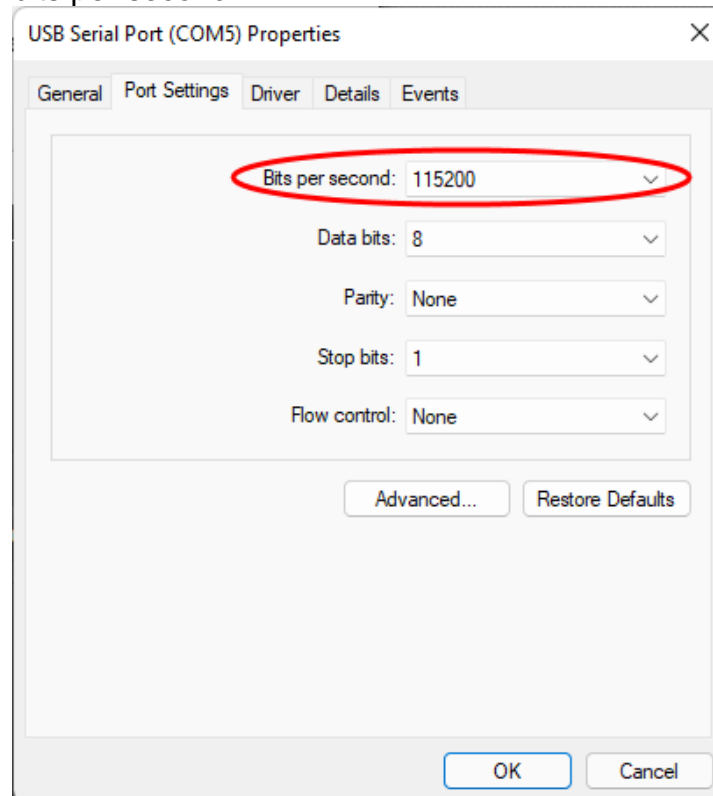


Communications Troubleshooting Guide

USB Connection Issues

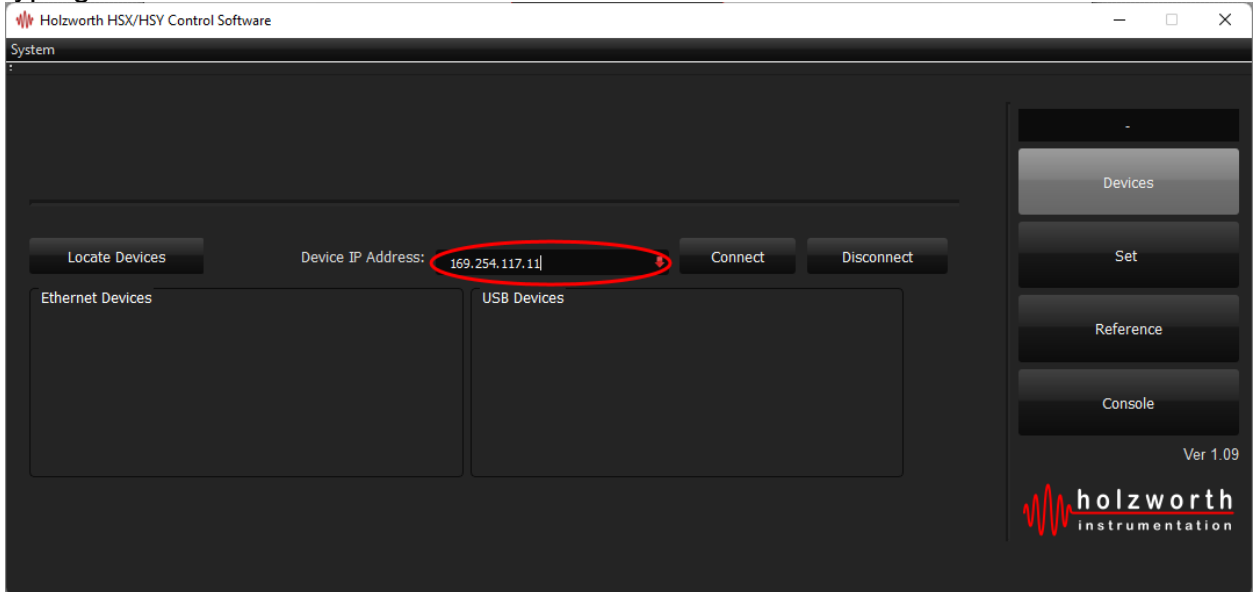
- 1) Not able to connect to the instrument
 - a. Download the drivers for the FDTI IC that is used in our communication system.
https://engineering.holzworth.com/holzengineering/CDM21228_Setup.zip
 - b. Check the Baud rate of the com port. Holzworth instruments run at 115200 bits per second.



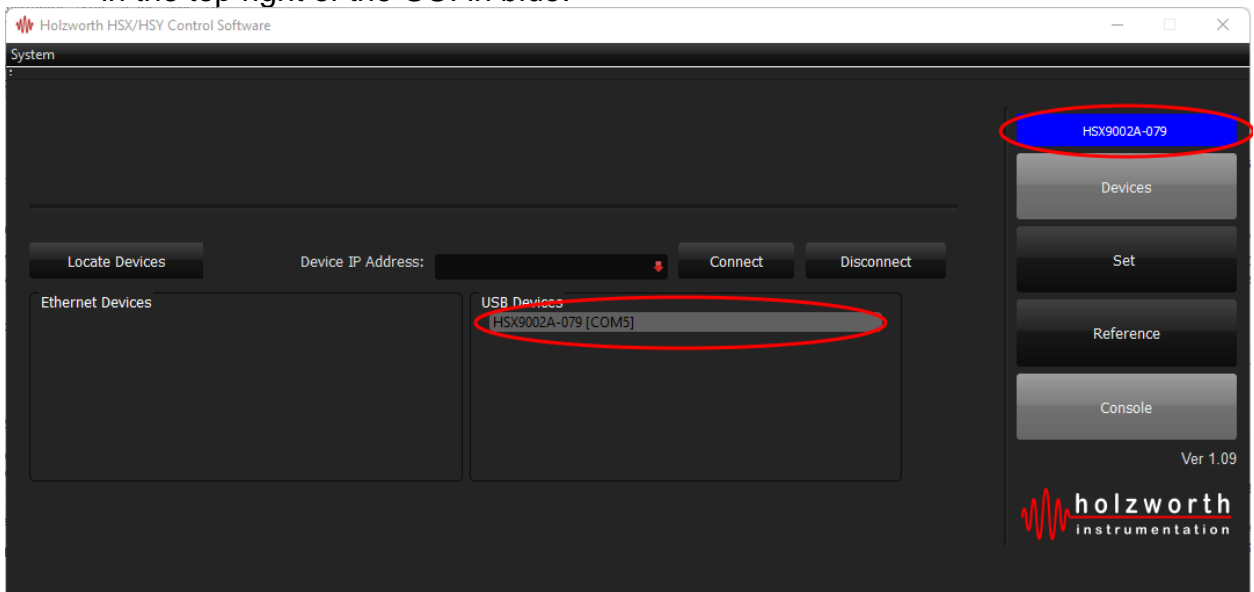
- 2) HA7062D phase noise analyzer connect measure above 6 GHz or a synthesizer is showing too many channels.
 - a. Disconnect the USB cable, power cycle the instrument, wait 5 seconds then reconnect the USB cable.

Ethernet Connection Issues

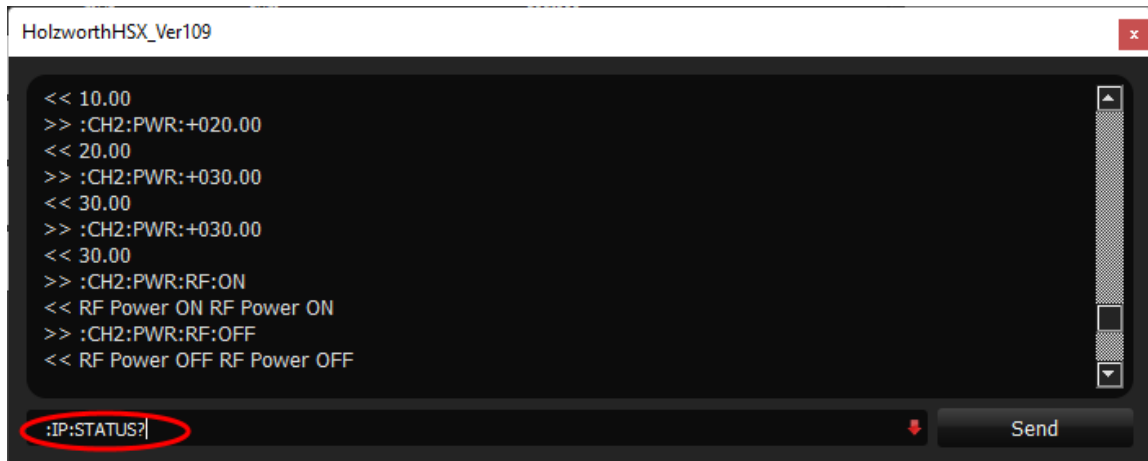
- 1) If you are unable to see any instruments after hitting the locate devices tab, try typing in the default IP address 169.254.117.11



- 2) If that does not work, there may be a static IP set by the last evaluator. To change this without knowing the static IP, you will have to connect via USB. The steps are as following:
 - a. Connect to USB. Once connected you will see the SN of the synthesizer in the top right of the GUI in blue.



- b. Open up the console and use the command :IP:STATUS? To query if the synth is set up for a static IP address or DHCP address.



```
<< 10.00
>> :CH2:PWR:+020.00
<< 20.00
>> :CH2:PWR:+030.00
<< 30.00
>> :CH2:PWR:+030.00
<< 30.00
>> :CH2:PWR:RF:ON
<< RF Power ON RF Power ON
>> :CH2:PWR:RF:OFF
<< RF Power OFF RF Power OFF

:IP:STATUS?
```

- c. If the response is STATIC, use the command :IP:STATUS:DHCP then power cycle the device. The unit should now have the IP address if it is available on your network.

Contact Information

Contact Holzworth directly for a product quotation, a product demonstration, or for technical inquiries.

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