

RS232 instructions

After attaching the USB to DB25 cable such as the EZSync014C cable, Windows will assign a virtual COM port that you will have to determine in Windows hardware settings. This can typically be found by typing device manager in the Window search bar located in the task bar on bottom left of the screen. Select device manager, then Ports (COM & LPT) to display your PC's COM ports.

Go into the chamber's SDEF menu and determine the baud rate. The default is (1) or 38400. Set RS CHAR ECHO to N and RS DTR/CTS to N as well. In the application, select the baud rate that was selected in the SDEF menu.

Once the COM port is known, the chamber's baud rate is set (for example to 38,400) and ECHO and DTR/CTS disabled (set to N) and with the cable attached from your PC to the DB25 connector on chamber/controller,

Use an RS232 application such as TeraTerm, CoolTerm or the Sun demo below:
<https://sunelectronics.com/rs232>

If using the Sun demo above:

Select the virtual COM port that Windows assigned to your USB cable. This can usually be found in your PC's device manager. Type device manager in the search bar located on the task bar at bottom of your screen. Select device manager, then Ports (COM & LPT) to display your PC's COM ports. Select this COM port in the application, then select 2 stop bits from the drop down menu in the application.

Once the COM port, baud rate and 2 stop bits are selected, click on the OPEN button in application.

COMM LINK OPEN! should appear and you should be able to send/receive commands.

If using a terminal application such as TeraTerm, use the following settings:

BaudRate: (same as selected in chamber's SDEF menu)

Parity: NONE

Hardware flow control: NONE

Stop Bits:2

Data Bits:8