


If this is the first-time use of GL's T3 E3 unit, then it is recommended to follow all the steps explained in USB-T3E3-Analyzer-Quick-Install-Guide before proceeding with the steps below.

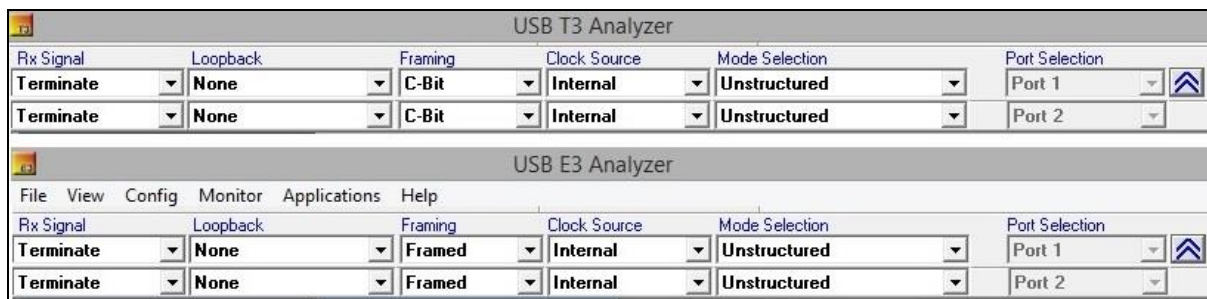
Quick Steps

- After successful installation of **USB T3 E3 Analyzer Hardware**, connect the **Port #1** and **Port #2** in loopback, i.e., **Tx[Out] of Port 1** is connected to **Rx[In] of Port 2** and **Rx[In] of Port 1** is connected to **Tx[Out] of Port 2** with BNC Cables.

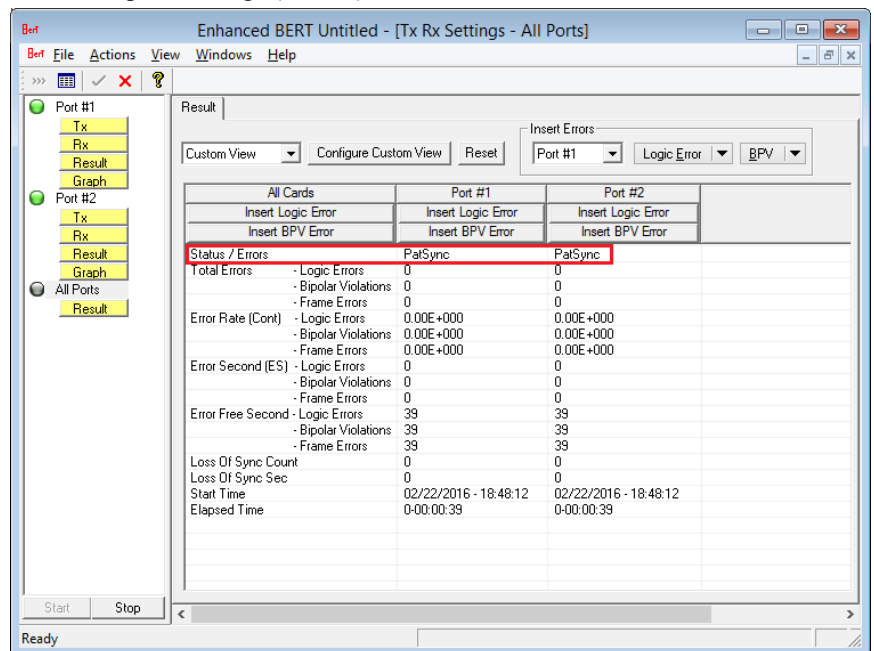


- Double-click on the **USB T3 E3 Analyzer** (Analyzer) shortcut icon on the Desktop, the application should come up.
- On the **Card Setting** dialog, for **Port #1** and **Port #2**, set the options as shown below.

Click on **down arrow**  on the card setting dialog to see Port #2.



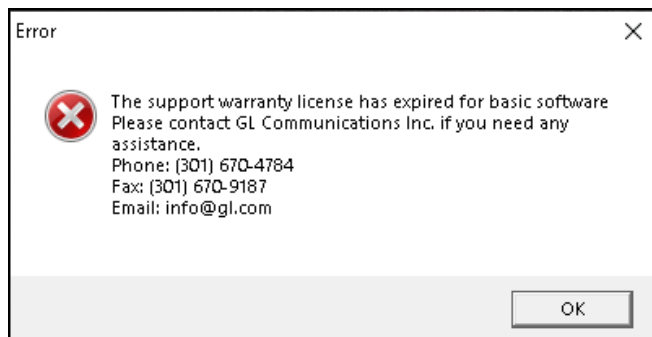
- From the main window, select **Applications** → **BERT** to invoke **Enhanced BERT** application.
- In the left pane, under **Port #1**, click on **Tx**. This will enable the Tx settings options for the user to edit the settings as required.
- In **Tx** settings, uncheck the option “Transmit Receive Coupled Settings (Tx=Rx)” and select the BER Patterns as **QRSS**.
- On **Port #1**, click on **Rx** and select the BER Patterns as **2^6-1**.
- On **Port #2**, click on **Tx**, uncheck the option “Transmit Receive Coupled Settings (Tx=Rx)” and select BER Patterns as **2^6-1**.
- On **Port #2**, click on **Rx** and select the BER Patterns as **QRSS**.
- In the left pane, select **All Ports** and click **Start** to start transmitting and receiving BER Patterns on both the ports.
- In the left pane, click on **Results** and observe that **PatSync** is being displayed on both the ports indicating hardware levels are working properly without any errors.



Troubleshoot

If there are any problems while conducting the above test, please troubleshoot with the following steps:

- Ensure that the additional **Warranty License** has been installed or if the Warranty License has been installed already, please contact GL to renew the warranty license.



- Check if the analyzer software invokes with the following alarm errors then, ensure that BNC cables are connected properly.
- Check if the Card settings for **Rx Signal** is set to **Terminate** mode, **Loopback** is set to **None**, **Framing** is set to **C-Bit**, **Clock-Source** is set to **Internal**, **Mode Selection** is set to **Unstructured** for both the ports and click on **Reset All** button on the **Monitor #1** and **Monitor #2** windows to get the sync on both the ports.
- If the optional software is not activated, you may have not installed the Hardware licenses properly. Install the Hardware licenses given in the USB Installation stick.
- Ensure that the Power Adapter is connected to the USB T3 E3 Analyzer and to the AC Power on the strip or Wall. Ensure that the Power Strip is ON.
- Make sure that the USB cable is securely connected to the USB T3 E3 Analyzer and to the USB port on PC.
- Follow the detailed instructions in the **USB T3 E3 Analyzer Installation Guide**.
- If you are still having issues or have any other related questions, please contact GL Communications Inc.

