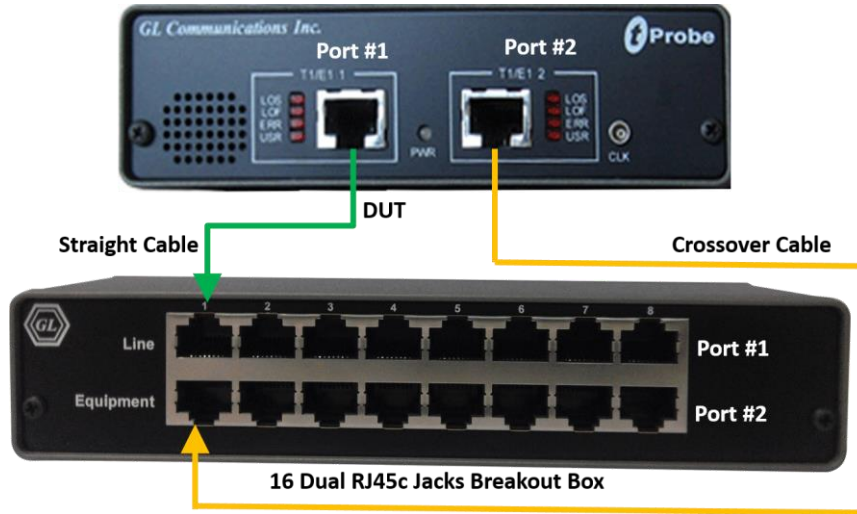


Quick Steps

- After successful installation of **tScan16 T1/E1 Analyzer Hardware**, Connect the port #1 of T1/E1 to any of the Line RJ45c ports in the Breakout Box with help of a straight cable. Similarly, Cross-connect loopback cable to port #2 of T1/E1 to any of the Equipment RJ45c ports in the Breakout Box.
- For demonstration purposes we are using GL's tProbe™ T1/E1 device to transmit tone, which otherwise will be a DUT at the customer premises. For the setup, refer to the figure below.



- Double-click on the **tScan16 T1/E1 Analyzer Hardware** () shortcut icon on the Desktop, the application should come up.
- Set the Card settings for **Port #1** as shown below and click on **Set all Cards as selected** option to apply the same card settings on all available ports.

Port	Framing	Termination	B8ZS
1	ESF (193E)	Monitor	On
2	ESF (193E)	Monitor	On
3	ESF (193E)	Monitor	On
4	ESF (193E)	Monitor	On
5	ESF (193E)	Monitor	On
6	ESF (193E)	Monitor	On

Set all cards as selected

<- Double-click to change values


T1 Card Setting

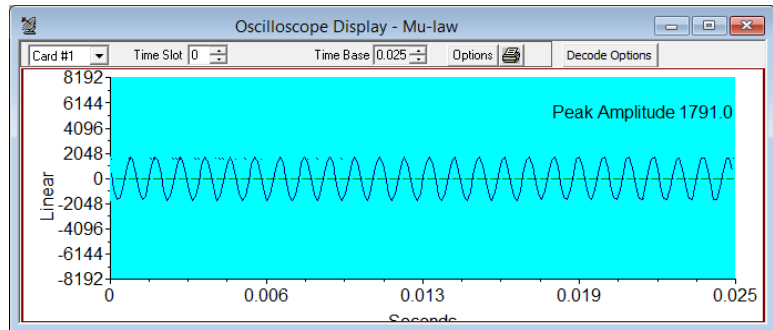
Port	Framing	Termination
1	CAS & CRC	Monitor
2	CAS & CRC	Monitor
3	CAS & CRC	Monitor
4	CAS & CRC	Monitor
5	CAS & CRC	Monitor
6	CAS & CRC	Monitor

Set all cards as selected

<- Double-click to change values

E1 Card Setting

- Double-click on the **tProbe™ T1/E1 Analyzer** () shortcut icon on the Desktop, the application should come up.
- In the **tProbe™ T1/E1 Analyzer**, from the main window, select **IntrusiveTest** → **Transmit Tone** this will invoke Tx Tone application.
 - On the **Tx Tone** application, select **Timeslots** tab and click on **Select All** to select all the timeslots. Similarly, click on **Device Selection** tab and make sure that **Card #1** is selected.
 - Now, go back to the **Tx Tone** tab and make sure that under Tone Frequencies the 1st tone option is set to 1004 Hz and Tone Power Level dBm is set to -10 dBm.
 - Click on **Send** to transmit tone.
- Now, in **tScan16™ T1/E1 analyzer**, select **Monitor** menu and click on any one of the monitoring applications like Byte Value, Binary Byte Value, Signaling Bits, Power Level
- Select **Card #1** to observe the tone being received on all the timeslots.
- Now, from the main GUI, select **Monitor** → **Oscilloscope** to observe the received tone in graphical format. Set the Card number as **Card #2**, select the required timeslot, and set the Time Base to display the received tone frequency as required.



Troubleshoot

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

- Check if the straight and loopback cables are connected properly.
- Check if the Card settings for **Termination** is set to **Monitor** mode for all the ports and click on **Reset** button to get the sync on both the ports.
- Follow the detailed instructions in the **tScan16™ T1/E1 Analyzer Installation Guide**.
- If you are still having issues or have any other related questions call GL Communications Inc. @ 301 670 4784