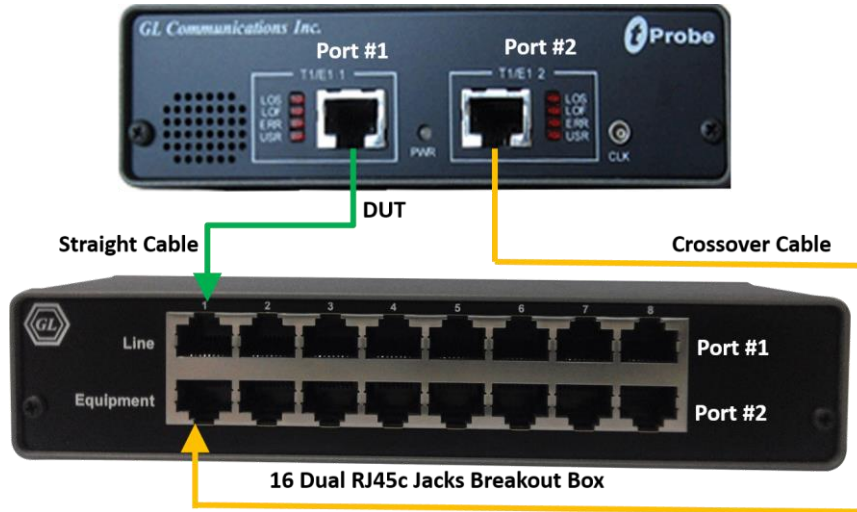


**Quick Steps**

- 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

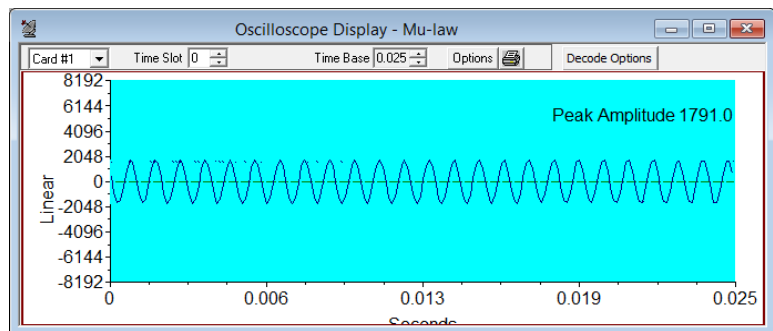
Port	Framing	Termination
1	CAS & CRC	Monitor
2	CAS & CRC	Monitor
3	CAS & CRC	Monitor
4	CAS & CRC	Monitor
5	CAS & CRC	Monitor
6	CAS & CRC	Monitor

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