



# Installation Guide

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**Note:** You must be running Windows XP and have USB 2.0 port available to operate the EB ComProbe.

After installing your FTS4BT software, simply plug the EB ComProbe into an available USB 2.0 port. Your operating system automatically installs the necessary drivers.

## Hardware Settings for HSU

The Hardware Settings window appears automatically the first time you run FTS. Use the Hardware Settings window to select which EB ComProbe to monitor (if you have more than one). Choose *Hardware Settings* from the *Options* menu on the Control window if you need it later.

## I/O Settings for HSU

Click the *I/O Settings* icon  on the Control window. The analyzer requires information on Bit Rate, Parity, Length, and number of Stop bits in order to operate properly. If you are capturing framed data, the analyzer needs to know what protocols are present on your circuit to decode them correctly.

There are two rows of settings, one for the CH 0 (data connection), and one for the CH 1 (data connection). To change the bit rate, parity, word length or number of stop bits, click on the down arrow next to the setting box and choose an option from the list. For bit rate, you can either choose a listed rate or enter a rate. After entering the settings for CH 0, click the *Copy CH 0* button to apply the same settings to the CH 1 row.

Connect the EB ComProbe to a Source

The EB ComProbe is designed for use with TTL voltage levels, 0 to 5 volts max (exceeding the 5.0 volts max damages the ComProbe®). The ComProbe interprets 0 to 1.9 volts as a logical zero, and 2.0 to 5.0 as a logical one. To ensure accurate data collection and proper operation, connect the ComProbe to the TTL side of any transceivers, line drivers, or line receivers.

Use the table below to determine the connection configuration you need for monitoring signals on the source device. Disconnecting and reconnecting the wires in a different configuration negates the validity of the following table. To avoid confusion, we recommend that you maintain the color code as expressed in this table.

**Note:** Disconnecting the EB ComProbe from the source while capturing data with FTS4BT may temporarily affect your computer’s performance. To ensure proper operation of your system, always terminate FTS4BT live capture prior to removing the ComProbe from the circuit under test.

Wire Label	Label/Wire Color	Signal	Meaning
0	Black	CH 0	Data Connection
1	Brown	CH 1	Data Connection
2	Red	RTS	Request to Send
3	Orange	CTS	Clear to Send
4	Yellow	DSR	Data Set Ready
5	Green	DTR	Data Terminal Ready
6	Blue	CD	Carrier Detect
7	Violet	RI	Ring Indicator
TRG	White	Not Used	N/A
CLK	Gray	Not Used	N/A
GND	Black	Ground	Ground

**Table 1** Pin outs for the EB ComProbe