



## Add-Ons for the Bluetooth PC based Protocol Analyser FTS4BT

Bluetooth-enabled devices continue to expand on the market as technology rapidly evolves. Even the most experienced Bluetooth developers and test engineers are challenged by keeping up with the latest changes from the baseband all the way to the profile level.

Commercial success is tied to making sure that your devices interoperate smoothly so consumers can realize the benefits of Bluetooth.

Developers and test engineers rely on FTS4BT to get them through the

**design, debug, test, verify and qualification cycle.**

### [Includes DecoderScript™](#)

Write custom decoders or modify existing decoders with the included DecoderScript language. Use your custom decoders just like any of the decoders supplied by Frontline. This can be useful to display items in a language other than English, or to extend decoders to work with non-standard protocols.

### [Free Premium Maintenance](#)

With FTS4BT you will receive free software and protocol decoder upgrades for one year. After one year it is inexpensive to keep your Premium Maintenance current.



## Wi-Fi Option



Extend FTS4BT to include full v3.0 + HS data capture and decoding with the included Wi-Fi ComProbe. View Bluetooth and Wi-Fi data together on the graphical Coexistence view.

Features:

- Combined Bluetooth and Wi-Fi throughput graph.
- Numeric Data throughput readout for Average and Live (1 second window) payload.
- Wi-Fi and Bluetooth channels identified on a single display.
- Combined Bluetooth/Wi-Fi capture log.
- Full, stand-alone Wi-Fi decoding and protocol analysis.
- Detachable antenna to enable conductive capture of Wi-Fi data.
- Small, portable Wi-Fi ComProbe adapter powered by USB.

### **Measure and compare Data Throughput for Wi-Fi and Bluetooth**

Data Throughput stats enable you to monitor Data Throughput activity (average or instantaneous) on Bluetooth and Wi-Fi simultaneously.

### **Analyze Bluetooth/Wi-Fi payload efficiency at a glance.**

Bluetooth and Wi-Fi data is displayed in a common graph to assure that your application is operating at its intended efficiency.

### **Pin-point Bluetooth and Wi-Fi coexistence issues at a glance.**

Bluetooth and Wi-Fi packets are displayed, by channel, in real-time. Bluetooth and Wi-Fi packets are timestamped to within one microsecond resolution, and color coded for easy identification.

# HCI Sniffing

## Capture and decode HCI via USB Transports.



Debug complex Host to Host Controller issues quickly with Frontline's FTS4USB. Decodes Bluetooth and USB protocols for full picture of your data.

- Capture and decode HCI data externally using our USB ComProbe II or use the Internal Tap to sniff devices connected to your PC.
- Portable, weighs 196 grams. Powered by USB, no external power supply.

## Capture and decode HCI via UART.



- Sniff H4, H5 and BCSP.
- Speeds up to 8Mb.
- Direct TTL connection to your HCI UART transport layer.
- Portable, powered by USB.

## Cabled ComProbe



The FTS4BT Cabled ComProbe is a Frontline Bluetooth ComProbe with an SMA connector to allow it to be connected via a cable for conductive (cabled) sniffing. The Cabled ComProbe is available as an option for FTS4BT.

## One Secondary ComProbe now for free

In most applications the single ComProbe supplied with FTS4BT is sufficient but for capturing Scatternet and multipoint data, a ComProbe is required for each encrypted link. For this reason a Secondary ComProbe may also be used as a redundant sniffer.

If you need to capture data from a device with a Bluetooth chip that employs interlaced page scan, a Secondary ComProbe will significantly increase the consistency of synching. Interlaced Page scan is a Bluetooth feature mostly used by some headsets to speed up the connection from the phone to this headset.

Any number of secondary ComProbes may be used in conjunction with your primary or main ComProbe.

version 1.0, April 2010

