

COMPROBE®

The ComProbe BPA 600 Protocol Analyzer includes powerful ComProbe software and the Dual Mode *Bluetooth* hardware interface.

Key Features and Benefits

• Ultra-Portable USB-powered and tiny footprint means you decide where and how

to work

- Greatest Possible Accuracy ProbeSync[™] technology synchronizes timestamps between multiple devices and technologies
- Faster Debugging Bluetooth low energy and Classic Bluetooth data is displayed in a single graphical user interface
- See events as they occur through live decoding and decryption of encrypted data
- Maximum Flexibility DecoderScript lets you specify decodes for custom protocols
- Every Profile and Protocol including full *Bluetooth* 4.1 support
- Roleless Single/Multi Connections No longer need to specify which device is master and slave
- Follow pairing and decrypt encrypted traffic including Secure Simple Pairing
- Pre-Connection Traffic See pre-connection paging, response, polling, FHS and acknowledgement packets, and visibility into all three advertising channels concurrently.

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BPA 600

DUAL MODE BLUETOOTH® PROTOCOL ANALYZER

The explosive rise of Bluetooth Smart and Smart Ready devices has made the already complicated task of developing *Bluetooth* technologies more complex and more urgent than ever. The **ComProbe® BPA® 600 Dual Mode** *Bluetooth***® Protocol Analyzer** combines low energy and BR/ EDR data in the same intuitive displays, simplifying and accelerating the debugging process, while ProbeSync makes it possible for developers to view *Bluetooth* and 802.11 data, locked together and displayed in one comprehensive coexistence view.

As applications, products and testing situations have become more mobile and demanding, Frontline has responded with the most powerful and portable *Bluetooth* analyzer available today.

The Three P's: Portability, Power and Pre-Connection Traffic

At long last, developers can unplug from the AC outlet and take their testing and development operations where these technologies actually live - the real world. Running on **USB power and smaller than a paperback book**, the ComProbe BPA 600 lets you decide how and where to work.

Portability is only the beginning - the powerful BPA 600 features:

- role-less single and multi connections, which no longer require the user to specify which device is the master and which is the slave
- decryption of multiple connections
- automatic programmable link key insertion to BPA 600 from 3rd party software tools or debug applications, and link key now reverses automatically when necessary
- full Bluetooth 4.1 support

Want to see pre-connection traffic? The BPA 600 shows it to you. Paging, response, polling, FHS and acknowledgement packets are captured and displayed as they happen.





Classic and low energy packets in a single view

Tooltips with comprehensive packet details

From detailed decodes to concise graphical depictions of complex data, the USB-powered **ComProbe BPA 600 Dual Mode** *Bluetooth*[®] **Protocol Analyzer** is the most powerful and portable dual mode Bluetooth analyzer on the market today.



Hardware Specifications

- Bus Type: USB 2.0 Mini B, compatible with USB1.1
- Operating Frequencies: 2402 MHz – 2480 MHz
- Effective Receiver Sensitivity (conducted, not radiated): -90.0 dBm for GFSK
- Power: USB
- Dimensions:
 5" X 2.75" X 1.0625"
 127mm X 70mm X 27mm
- Weight: 0.44lb / 200g
- Temperature: Storage Temperature: 0° to 40° Celsius 32° to 104° Fahrenheit Operating Temperature: 5° to 55° Celsius 41° to 131° Fahrenheit
- Humidity:
- Operating: 10% to 90% RH (noncondensing)
- Debugs every *Bluetooth* Profile and Protocol, including:

Core Specifications: All through Bluetooth 4.1 Classic Profiles:

3DPS	FTP		HFP	PBAP
A2DP	GAVDP		HID	SAP
AVRCP	GNSS		HSP	SDP
BIP	GOEP		MAP	SPP
BPP	HCRP		MPS	SYNCH
DI	HDP		OPP	VDP
DUN			PAN	
Low Energy Profiles: L			ow Energy Services:	
Alert Notification		Alert Notification		
 Blood Pressure 		•	Battery	
 Cycling Power 		•	Blood Pressure	
 Cycling Speed 		٠	Cycling Power	
and Cadence		٠	Cycling Speed and	
 Find Me 			Cadence	
 Glucose 		٠	Current Time	
 HID over GATT 		٠	Bettee internation	
 Heart Rate 		٠	Glucose	
 Health 		٠	HID	
Thermometer		٠	meanemate	
 Location and 		٠	Health Thermometer	
Navigation		٠	Immediate Alert	
 Phone Alert 		•	Link Loss	
Status		٠	Location and	
 Proximity 			Navigation	
 Running Speed 		٠	Next DST Change	
and Cadence		•	Phone Alert Status	
 Scan Param 	leters	•	Reference fille	
• Time			Update	
		•	Running Spe	eed and
			Cadence	
	oth"	•	Scan Param	eters
移 Bluetooth"		•	Tx Power	

The ComProbe BPA 600 Hardware Interface

The ComProbe BPA 600 Protocol Analyzer includes the Dual Mode *Bluetooth* hardware interface, which supports the wireless capture of "classic" and low energy *Bluetooth* communications.

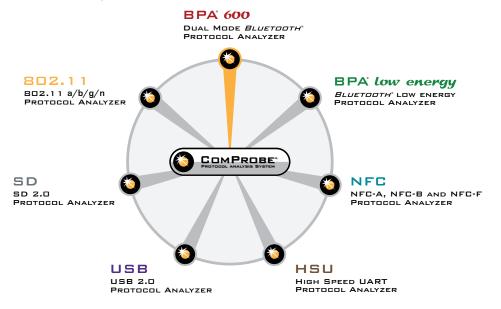
The Dual Mode *Bluetooth* hardware interface is one member of an extensive arsenal of technology-specific hardware interfaces, all functioning with the powerful ComProbe software. This modular approach allows greater flexibility in protocol analysis and debugging, and provides comprehensive coexistence views over virtually any combination of protocols.

Supported Configurations

- OS Supported: Win 7 and Win 8
- USB Port: USB 2.0 or USB 3.0 High-Speed

Minimum System Requirements

- Processor: Core i5 processor at 2.7 GHz
- RAM: 4 GB
- Free Hard Disk Space: 20 GB



The ComProbe Modular Approach

ComProbe software is at the core of Frontline protocol analysis, allowing technologyspecific hardware interfaces to work individually or in combination with other hardware interfaces. This modular approach gives the developer or analyst the widest possible range of scenarios for debugging complex communications.

To order or for more information:

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