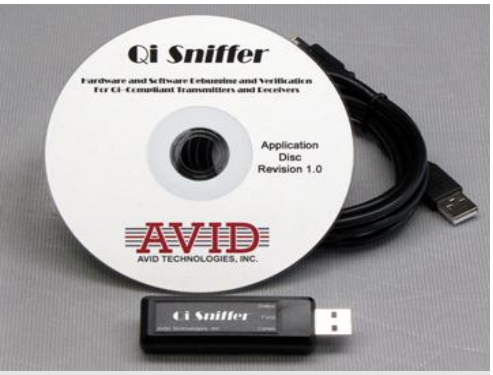
AVID TECHNOLOGIES, INC.

Qi Sniffer

Hardware and Software Debugging and Verification System for Qi Compliant Transmitters and Receivers



The Sniffer is a USB device that can be placed near a Qi compliant wireless charging system (TX and RX pair) and used to capture the wireless communication packets and other system operating information. The Sniffer detects, demodulates, and decodes digital bi-phase communication data of either polarity and at different baud rates.

A Windows graphical user interface application displays and logs the packets and other data captured by the Sniffer. Multiple trigger events provide debugging flexibility.

For more information on the Qi Sniffer, contact AVID Technologies, Inc. at wirelesspower@avid-tech.com

Specifications Subject to Change

Patent Pending

APPLICATION

Product Developers of Qi compliant products looking to quickly analyze and debug system operation, firmware operation, and validate timing parameters related to TX/RX detection and communication driven by the Wireless Power Consortium (WPC) specifications.

FEATURES

- Compact USB device, easy to set up and use
- Non-interfering, contactless signal acquisition
- USB-powered (+5VDC)
- Multiple pickup coils allow flexibility with positioning
- LEDs for device status and positioning assistance
- Intuitive Windows Application for real-time data display (XP, Vista, Win7)
- User defined trigger events to assist in debugging
- Packet content and timing analysis
- Data logging

SYSTEM MONITORING

- TX ping frequency
- TX ping timing
- TX operating frequency
- TX field strength (relative)
- RX comm. signal strength (relative)
- RX comm. packet data
- RX comm. packet signal polarity
- RX comm. packet timing

TRIGGER EVENTS

- Manual with delay time
- Ping event
- Operating frequency
- Comm. packet contents
- Checksum errors
- Timing parameters

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