



The Qi Sniffer is a USB device that can be placed near a Qi compliant wireless power system (TX and RX pair) and used to capture the wireless communication packets and other system operating information. The Qi Sniffer detects, demodulates, and decodes comm. data with different polarities and bit rates.

A Windows graphical user interface application displays and logs the packets and other data captured by the Sniffer.

For pricing/ordering information or to visit AVID's wireless power technology forum please see: www.avid-tech.com/wirelesspower

Send technical inquiries to: 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, communication, and control defined by the Wireless Power Consortium (WPC) specifications.

FEATURES

- Non-interfering, contactless signal acquisition
- USB-powered (+5VDC)
- Compatible with both WPC V1.0 and WPC V1.1 devices
- Compact USB device, easy to set up and use
- Multiple pickup coils allow flexibility with positioning
- LEDs for device status and positioning assistance
- Intuitive Windows Application for real-time data display
- Packet content and timing analysis
- Data logging
- Decodes high res 16-bit received power packets sent by AVID Qi Receiver Simulator V1.1 and AVID FOD Receiver devices

SYSTEM MONITORING

- TX ping frequency
- TX ping timing
- TX operating frequency
- TX field strength (relative)
- RX comm. signal strength (relative)
- RX rectified (V1.0) or receiver (V1.1) power
- RX comm. packet data
- RX comm. packet signal polarity
- RX comm. packet timing

V1.1 SOFTWARE UPDATE

- V1.0 Qi Sniffer devices can be updated to add V1.1 compatibility by downloading and installing the latest application software and purchasing an upgrade key on our website. Software downloads and upgrade instructions can be found on AVID's wireless power forum.