

Non Technical Description of the Radio:

The A095 900 MHz Direct Sequence Spread Spectrum radio provides a complete RF subsystem whereby a host platform can establish and communicate via a reliable wireless link.

Each radio module is a complete Direct Sequence Spread Spectrum (DSSS) system. The radios each offer the same compatibility and functionality and differ only in physical size and connector. The connection between the host and the radio module is accomplished via a parallel interface used for setup and control and high-speed serial interface used for RF data transfer.

An easy to use but sophisticated protocol is incorporated to provide synchronization between the host platform, the radio coprocessor, and the DSSS radio module which guarantees reliable transfer between the two units and the RF network.

Figure 1 – 900/2400 MHz DSSS RF System Diagram

