

Theory of Operation

The S75 is a DVB (Digital Video Broadcast) satellite receiver that will provide Internet and Multicast services to any computer with a 10/100 Mbps network interface. Satellite data rates up to 50Mbps can be delivered to a single computer or to a LAN. In addition to IP based data delivery, the S75 allows DVB pipes, DVB streams, and DVB data and Object carousels to be transferred onto an IP network.

The S75 receiver has a tuning range of 950 - 2150MHz. It will receive a QPSK signal levels from the LNB (Low Noise Block) in the range of -65dBm to -25dBm at symbol rates between 1 and 45 Msps. Through the same (F-type) port the receiver will also power the LNB with 18V.

The S75 itself is powered by 24V DC (supplied by AC/DC converter)

S75 Receiver – Application Diagram

