

## OPERATIONAL DESCRIPTION

### SpeedStream 6520

The Speedstream 6520 is a wireless DSL modem/router with 4 Ethernet ports and a USB port for connection to a Personal Computer.

The wireless interface of the modem is compliant with the IEEE 802.11B and IEEE 802.11G interface standards. The radio circuit is built on the Texas Instruments TNETW2522M integrated transceiver chip with the TNETW1230 802.11 MAC chip..

The radio operates on channels 1 – 11 (2412 – 2462 MHz). The transmit antenna is attaches to the main PC board via a non-standard miniature coaxial connector. The antenna is not detachable by the user.

RF Output Power: 140 mW (+21.5 dBm)

Antenna Type: Monopole

Antenna Gain: 2dBi

Type of modulation: DPSK, CCK, DQPSK, and OFDM

Data Rates: 11 Mbps, 54 Mbps

Duty Cycle: 50% TDD (Time Division Duplex)

Channels of Operation:

Channel	Frequency (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

### SpeedStream 6515

The SpeedStream 6515 is identical to the 6520 model except that the USB connector and components related to the USB are removed. The radio circuitry is identical.