

nRF24L01P USB Serial Module

This module convert any nRF24L01P Module (Recommend XPOWER nRF24L01P) to USB Serial (Half-Duplex). It use FT232RL USB chip.

1) Configuration Mode (Short Circuit CFG header):

Short circuit CFG header and connect USB. Then connect to the module by the setting: 9600, 8 bit, 1 Stopbit, No Parity, Handshaking None.

Send these commands to configure the nRF24L01P settings: (Type HELP and enter to get information)

- Check settings, type and enter **VER?**
- Set CHANNEL 78 (0..125), type and enter **CHANNEL:78**
- Set SPEED 1Mb (250kb, 1Mb, 2Mb), type and enter **SPEED:1Mb**
- Set POWER -6db (0db, -6db, -12db, -18db), type and enter **POWER:-6db**
- Set ACK Enable (1=enable, 0=disable), type and enter **ACK:1**
- Set Serial Baudrate 9600 (300, 600,...,9600,...,230400), type and enter **BAUD:9600**
- Set default, type and enter **DEFAULT**
- EXIT, type and enter **EXIT**

Default settings is:

CHANNEL:100

SPEED:2Mb

POWER:0db

BAUD:9600

ACK:1

2) Normal Mode (Open Circuit CFG header):

Use in normal mode disconnect CFG header and connect USB. Send and receive data by the setting: BAUD, 8 bit, 1 Stopbit, No Parity, Handshaking None. The serial connection is half-duplex. No limited transferring data.

