

YARD Stick One

SKU 109990246



Description

YARD Stick One (Yet Another Radio Dongle) can transmit or receive digital wireless signals at frequencies below 1 GHz. It uses the same radio circuit as the popular [IM-Me](#). The radio functions that are possible by customizing IM-Me firmware are now at your fingertips when you attach YARD Stick One to a computer via USB.

YARD Stick One comes with [RfCat](#) firmware installed, courtesy of [atlas](#). RfCat allows you to control the wireless transceiver from an interactive Python shell or your own program running on your computer. YARD Stick One also has [CC Bootloader](#) installed, so you can upgrade RfCat or install your own firmware without any additional programming hardware. An antenna is not included. [ANT500](#) is recommended as a starter antenna for YARD Stick One.

Capabilities

- half-duplex transmit and receive
- official operating frequencies: 300-348 MHz, 391-464 MHz, and 782-928 MHz
- unofficial operating frequencies: 281-361 MHz, 378-481 MHz, and 749-962 MHz
- modulations: ASK, OOK, GFSK, 2-FSK, 4-FSK, MSK
- data rates up to 500 kbps
- Full-Speed USB 2.0

(Official operating frequencies are guaranteed to work. Unofficial operating frequencies work in our experience.)

YARD Stick One has several featured not previously seen in CC1111 platforms:

- SMA connector for external antennas such as ANT500
- receive amplifier for improved sensitivity
- transmit amplifier for higher output power
- strong RF performance across the entire operating frequency range
- low pass filter for elimination of harmonics when operating in the 800 and 900 MHz bands
- antenna port power control for compatibility with antenna port accessories designed for HackRF One

Part List:

1 x YARD Stick One

