

uBitx v6 Resources

This page is a community-edited list of resources **specific to version 6 (!)** of the uBitx all-band HF amateur radio transceiver. Anyone can suggest new items or edits using Google Doc's "Suggesting" mode.

** means "not yet confirmed for v6." If you can confirm, please add a suggestion or comment. And if you see something that *doesn't* work with uBitx v6, please email doug@rds.com.

General Info

- Creator of uBitx: Ashhar Farhan VU2ESE
- [Groups.io Discussions](#)
- [BITX Wiki](#) (includes <https://groups.io/g/BITX20/search?q=%23ubitxv6&ct=1> uBitx)
- [HFSignals](#) Detailed description
- [Mike Woods' \(ZL1AXG\) Resource Page](#). Last update January 2020.
- [Schematic](#) (pdf)
- Purchase Kits
 - [HFSignals](#), India
 - [Gigaparts](#), US
- [Video Series by Chrix](#). Various mods, etc., for BITX, but still helpful.

Firmware Options

- [Original firmware by Ashhar Farhan](#) (Github)
- [CEC Firmware 1.200](#) by Ian, KD8CEC
- [Reed N's Firmware](#) (Github) [User Manual](#)
- [Mark Erbaugh's N8ME Firmware](#) (.zip'd source) [User Manual](#)
- [Uploading Arduino Firmware](#) - YouTube video by Ashhar
- [Frequency Alignment](#) - YouTube video

RF Gain Options

- [AGC+SWR+RF Gain](#) by Evan Hand, AC9TU
- [RF Gain Control Adding AGC and S-Meter to uBITX v6](#)
- [Simple RF Gain Mod](#) by Don, ND6T
- [RF AGC](#) by Don, ND6T

AGC/AVC

- [AGC+S-Meter](#) video by Broken Signal ([board from KitProjects](#) not currently available)
- [AGC Using MAX9814 Board](#)

- [AGC & More](#) by Agustin, LU2HES
- [Handy Tip](#) by Evan, AC9TU

S-Meters

- [Nextion S-Meter with Capacitors](#) by Ian, KD8CEC **
- [Using an LM386 op-amp](#) by Ian, KD8CEC
- [Using an LM358 op-amp](#) by Ian, KD8CEC
- [Using an additional Arduino Nano](#) ([Character LCD](#), [Nextion LCD](#), [Advanced/FFT](#))
- [S-Meter w/LED Bar GAGC Mod – uBitxraph](#) ([Documentation](#))
- [Configuration](#) using KD8CEC'S firmware

Nextion Displays

- [Various Nextion Screens](#): Important info from Mark (AJ6CU) on github
- [Nextion Upgrade](#) video by Lockdown Electronics
- [Nextion Upgrade](#) by Barbaros (WB2CBA)
- [Firmware Options](#) by Evan (AC9TU)
- [Current Consumption](#): Nextion vs 1602 LCD
- [More Firmware](#) from Ian (KD8CEC) **

Adding a Second Nano

- [Second Nano Discussion and other interesting builds](#)
- [More on this Topic](#)

Power Supplies, Regulators, etc.

- [13.8VDC Polarity Protector](#)
- [Construction Manual for Reverse Polarity](#) (pdf)

SWR Meters

- [Tuning Indicator](#) from QRP Guys
- [VSWR - RF Monitor](#)
- [Notes on SWR Bridges & Directional Couplers](#) from K6JCA
- Video: [How a Directional Coupler in an SWR Meter Works](#)
- [Polite Antenna Tuner](#)

CW Operations

- [CW-Worth Mods](#) by K4LXY
- [Wring up Paddles and Straight Keys](#)

Microphones, Preamps, Compressors

- [Adding a Mic pre-amp and compression](#)
- [SSM2167 Mic Pre-amp discussion](#)
- [Homebrew pre-amp](#) (external, not a mod, KI7OJL video; [see also](#))
- [Microphone Options](#)

Rig Control (Remote & Local)

- [CEC firmware V1.20 CAT Failure](#) **
- [Rig control and logging on a Mac using MacLogger](#)

Enclosure Inspirations

- [John Terrell, N6LN](#)

Linear Amplifiers

Increasing/Leveling Output Power

- [Discussion](#)

Questions That Need Answers and/or Links

- How do you output carrier (with reduced power?) for antenna tuning?
- WSJT-X Config?
- fldigi?
- flrig?
- What can you do to increase power output on higher bands?

Miscellaneous

** We need confirmation that these links are good for the v6 uBitx. If you know (yes or no) please add a comment or suggestion or email doug@rds.com.

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