Kit Building Committee Report

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August 13, 2018
Purpose of Committee

Let’s build some stuff!

• Improve Soldering Skills
• Learn About Electronics
• Improve Troubleshooting Skills
First Project

• Let’s build a transceiver!

• Desired qualities in first kit
  – Easy to build
  – Inexpensive
  – Sideband

• Committee recommending
  1) BITX40 – less expensive
  2) UBITX – more band coverage
BITX40
## Surprise – Everyone Wants a uBITX!

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UBITX Case
The Deal

- uBITX Board - $119 including DHL Shipping
  - Normally $139

- uBITX Case - $62 including DHL Shipping
  - Normally $72

- Deposit of $50 for each is required
Stuff You’ll Need to Build It
Soldering Iron

$99
Solder

$23
Screwdrivers

$16
Wire Cutters

$7
Needle Nose Pliers

$8
Circuit Board Holder

$13
Magnifying Glasses

$10
Digital Voltmeter

$30
Stuff You’ll Need to Use It
Power Supply

$18
Headphones - Optional

$20
External Speaker - Optional

$26
Building Photos & Notes
Front Panel
Chassis
Front Panel Board Wiring Diagram

Note: Add jumper wire between pins 2 and 5 of Phones Jack
Shaft Encoder Wiring Detail
Volume Control Wiring Detail
Microphone Connector Wiring Detail
Rear Panel Wiring

UBITX UNIVERSAL CASE BACK PANEL POWER PCB CONNECTIONS

NOTE:

DC Power Wiring can be done with the board or without it by soldering wire direct to the Switch and Fuse.

If using the board care is to be taken in soldering the push to on switch, too much heat or bending the pins could damage the switch.
Committee Plans
The Plans

- Order, Receive, and Distribute Kits and Cases
  - ECD September Club Meeting

- Hold several build sessions at the Training Ctr
  - September - October

- Encourage Experimentation and Modifications
  - Software mods, CW Filter, Digital Modes, AGC
  - Power Meter, SWR Meter, SDR Interface, etc.

- Presentations on your build and mods are encouraged!
Questions?