

# DZKit Sienna XL 250W HF+6 Transceiver kit Soldering required!



**World-class RF performance with ultra low phase noise synthesizer - Rx LO beats other well-known brands at <200Hz and >50kHz offset, and virtually ties in the middle (-134dBc @ 2kHz, -150dBc @ 60kHz).**



See antenna status at a glance. Tx path turns red on transmit

**Acclaimed ergonomics made even better (new dark blue color option shown; also available in black and multi-color, with choice of LED and keycap colors)**

**New, stronger, more serviceable chassis and fewer cables**

**Color touch displays and logically grouped controls make Sienna XL easier to use than most rigs.**



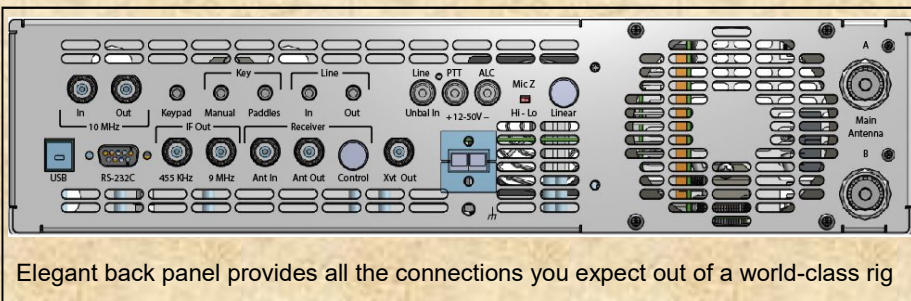
Change meter scales by tapping the meter

**Outstanding audio on transmit and receive:** Receiver audio stage includes

**bhi DSP Noise Cancelling technology:** A complete mixed-signal audio system consisting of a dual Harvard core, a patented high-resolution floating-point coprocessor and an Input/Output Processor which yields 88 dB of dynamic range and exceptionally low system noise. Removes background noise, makes signals stand out! **High performance class AB stereo audio amp** with .02% THD at 4W output on 'phones and speakers simultaneously, with compression to eliminate clipping at high volume. **Extremely low noise audio amps and switching circuits in transmitter and receiver**, for clean reproduction of line-in and mic audio. **3-band Parametric equalizers** on transmitter and receiver. **Balanced mic audio** works great with Heil PR-781 XLR mic.

## And more!

Separate band data outputs for Tx and Rx. Master/Slave operation with secondary Sienna XL receiver. Linear amp control. Transverter-ready. Dual pass-band tuning. Install up to four high performance 9MHz Inrad roofing filters and four 455kHz filters. Two 10dB preamps. One 10dB attenuator. Manual and paddle inputs active simultaneously. Remote controllable via RS-232. Upgradeable firmware. Serviceable yourself! Detailed Assembly, User's and Service manuals and the famous DZKit Worldwide Support!



Elegant back panel provides all the connections you expect out of a world-class rig

*Fun to build. Easy to use. High performance.*

*Features not available on other rigs. Made in the USA!*

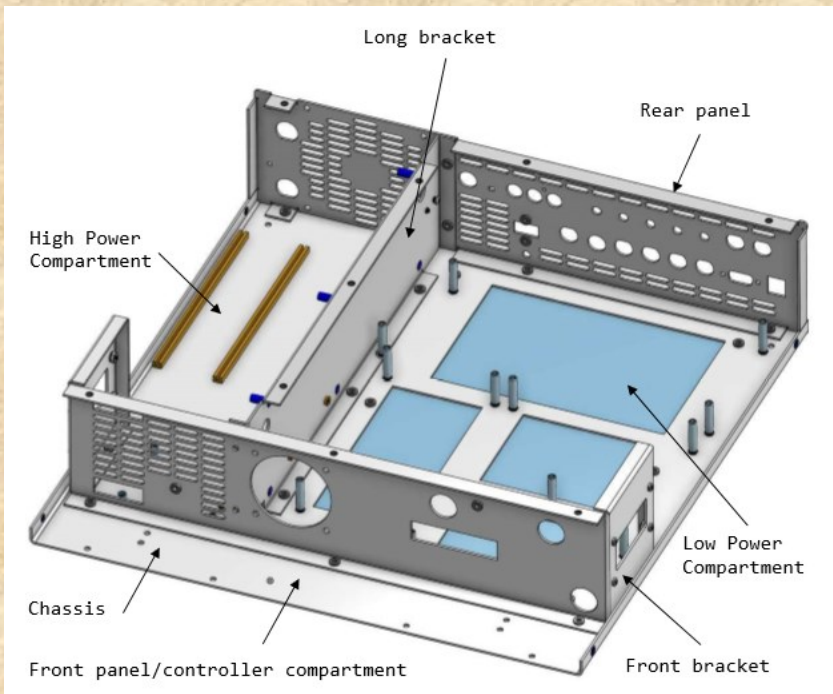


The DZ Company, LLC  
710 Grove Ct • Loveland, CO 80537  
www.dzkit.com • 877-HAM-SHACK • sales@dzkit.com





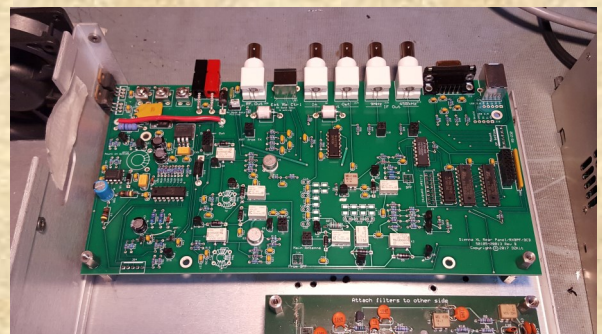
## What do you get to build?



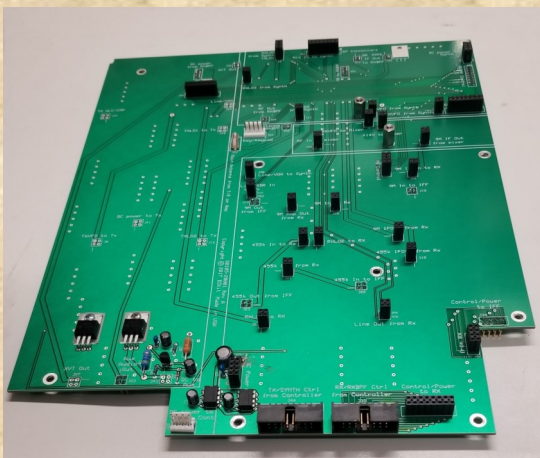
Chassis



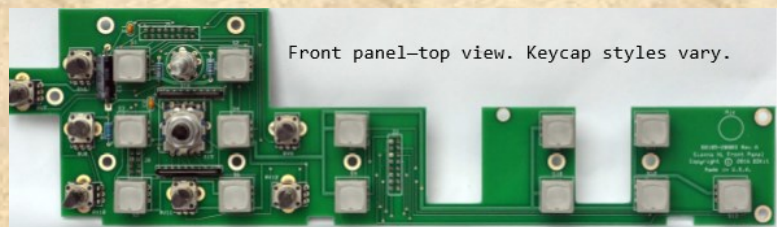
IF Filter board. Crystal filters plug in from the bottom



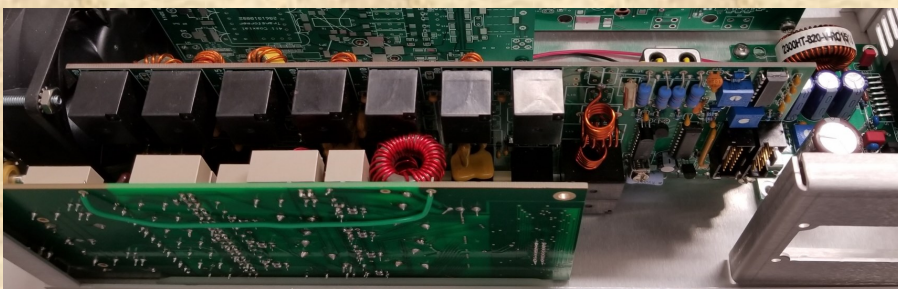
DC Power conditioning/RF Front end/Rear Panel board.



Motherboard



Front panel boards



Low Pass Filters and Antenna Switch/Tuner



250W PA

***We preassemble and test the Synthesizer, Receiver, Transmitter, 10W amp and Controller boards.***

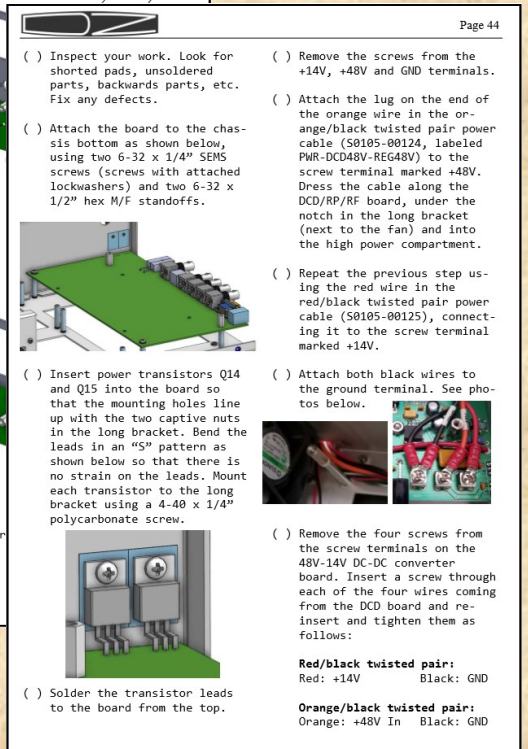
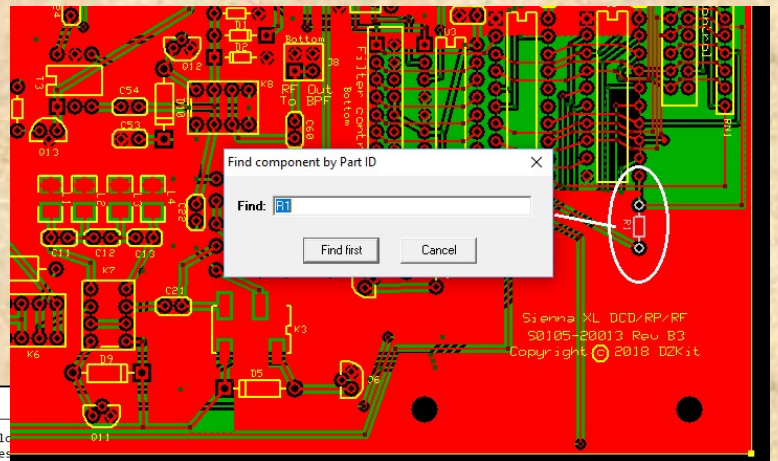
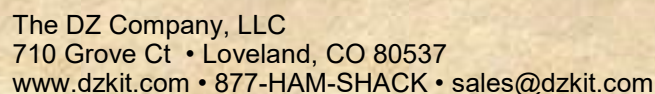
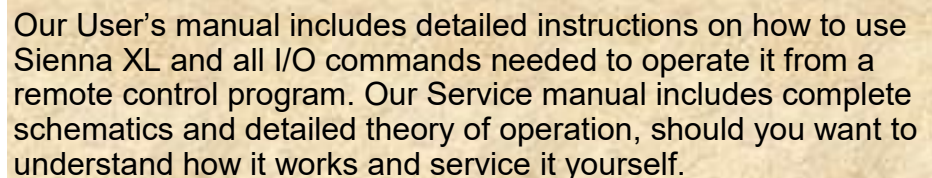
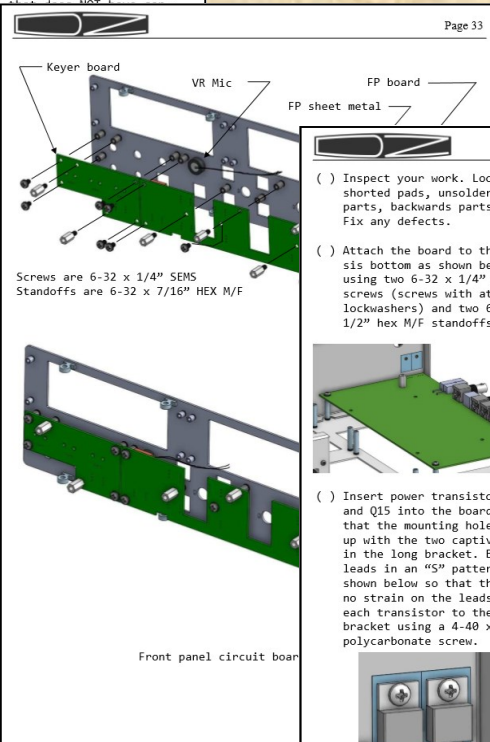
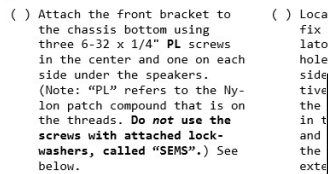


The DZ Company, LLC  
 710 Grove Ct • Loveland, CO 80537  
[www.dzkit.com](http://www.dzkit.com) • 877-HAM-SHACK • [sales@dzkit.com](mailto:sales@dzkit.com)





An electronic version of our circuit boards is included so that you can rapidly find the location of parts. All you need to do is run free ExpressPCB software and load the appropriate circuit board.

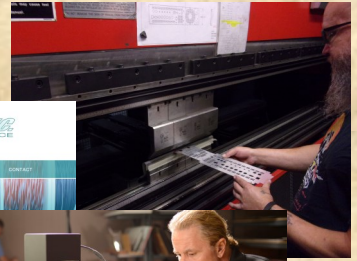
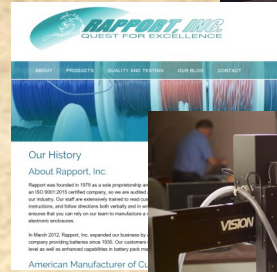




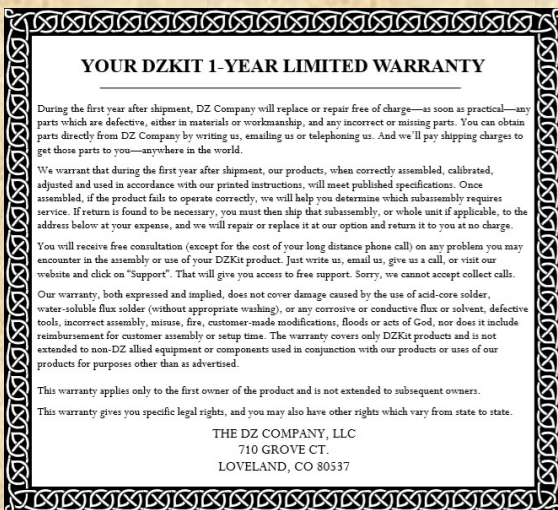
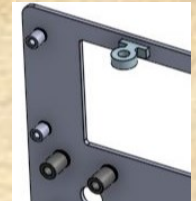
## Ten reasons why we know you'll be successful building a DZKit Sienna XL

1. It's made in the U.S. to assure high quality and fast response to any manufacturing issues:

- ✓ Chassis sheet metal is manufactured by a top-notch manufacturing facility in Golden, CO.
- ✓ Cables are made by a top-notch facility in Golden, CO
- ✓ Front panel overlays are made in Illinois
- ✓ Circuit boards are made in Oregon
- ✓ Products are designed, tested and kitted at our plant in Loveland, CO
- ✓ We buy parts from American distributors (e.g., Mouser, Digikey) and directly from many manufacturers, guaranteeing high quality and no "knock-offs".



2. We provide detailed assembly manuals with pictures, drawings and step-by-step instructions. (See previous page)
3. Pre-built boards are fully tested.
4. Firmware is updateable by customers easily as new features or bug fixes are released.
5. No custom IC's are used. All parts are off-the-shelf.
6. Captive nuts/standoffs and screws with built-in lockwashers eliminate tedious mechanical assembly.
7. Surface-mount parts are pre-loaded.
8. We provide hard-to-get or uncommon tools in the kit.
9. Beta testers are used to refine the kit assembly process and provide feedback on usability.



10. Support is just a phone call or email away, with exceptional responsiveness.



We'll make sure you succeed! The DZKit 1-year warranty includes free consultation with our engineers if any problems come up, and we can even finish the assembly for you if it becomes necessary (for a small fee).



The DZ Company, LLC  
710 Grove Ct • Loveland, CO 80537  
www.dzkit.com • 877-HAM-SHACK • sales@dzkit.com

