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.

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

And more!

Separate band data outputs for Tx and Rx. Master/Slave operation with secondary Sienna XL receiver. Linear amp control. Transverter-ready. Dual passband 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!

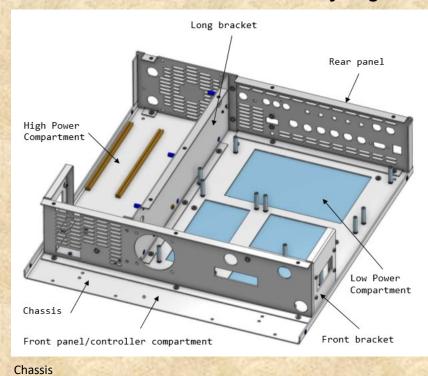
Fun to build. Easy to use. High performance.

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



Made in the USA

What do you get to build?



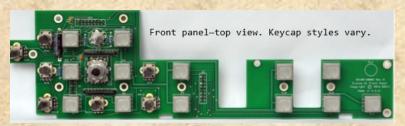
IF Filter board. Crystal filters plug in from the bottom



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



Motherboard



Front panel boards



Low Pass Filters and Antenna Switch/Tuner



250W PA

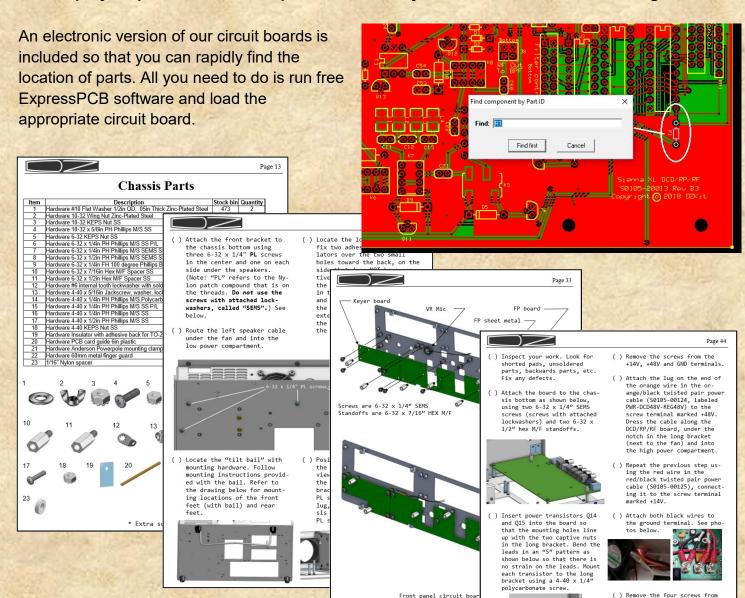
We preassemble and test the Synthesizer, Receiver, Transmitter, 10W amp and Controller boards.

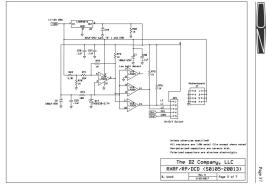


The DZ Company, LLC 710 Grove Ct • Loveland, CO 80537 www.dzkit.com • 877-HAM-SHACK • sales@dzkit.com



DZKit assembly manuals have all the detail you expect out of a world-class kit! Our step-by-step instructions and pictorials are easy to follow and make kit-building fun!





Our User's manual includes detailed instructions on how to use Sienna XL and all I/O commands needed to operate it from a remote control program. Our Service manual includes complete schematics and detailed theory of operation, should you want to understand how it works and service it yourself.

(4)

() Solder the transistor leads





() Remove the four screws from screw terminals on the 48V-14V DC-DC converter board. Insert a screw through each of the four wires coming

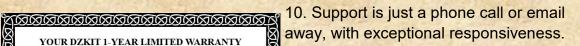
from the DCD board and re-insert and tighten them as follows:

Orange/black twisted pair: Orange: +48V In Black: GND

Front panel circuit bo

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)
- Pre-built boards are fully tested.
- 4. Firmware is updateable by customers easily as new features or bug fixes are released.
- No custom IC's are used. All parts are off-the-shelf.
- 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.





YOUR DZKIT 1-YEAR LIMITED WARRANTY

During the first year after shipment, DZ Company will replace or repair free of charge—as soon as practical—as parts which are deficience, either in materials or workmanship, and any incorrect or mining parts. You can obtain part directly from DZ Company by writing us, emailing us or telephoning us. And we'll pay shipping charges to get those parts to you—anywhere in the world.

warrant that during the first year sfar dupment, our products, when correctly assembled, calibreted and used in accordance with our printed instructions, will meet published specifications. On subled, if the product fails to operate correctly, we will help you determine which subsembly it can be received by the product fails to operate correctly, we will help you determine which subsembly it can be returned to the necessary, you must then also that subsembly, or whole until fails got it return is found to be necessary, you must then also that subsembly, or whole until fails got it is not a fail to the product of the subsembly and the subsembly as the subsemble subsembly as the subsemble subsemble subsembly as the subsemble sub

ou will receive free consultation (except for the cost of your long distance phone call) on any problem recounter in the assembly or use of your DZKit product. Just write us, email us, give us a call, or visit or ebitte and click on "Support". That will give you access to free support. Sorry, we cannot accept collec Our warranty, both expressed and implied, does not cover damage caused by the use of acid-core solder, water-soluble flux solder (without appropriate washing), or any corrosive or conductive flux or solvent, defecti to ner assembly or setup time. The warranty covers only DZKit products and is not l equipment or components used in conjunction with our products or uses of our emoursement for customer assembly or setup xtended to non-DZ allied equipment or comp roducts for purposes other than as advertised.

This warranty applies only to the first owner of the product and is not extended to subsequent owners

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state THE DZ COMPANY, LLC

710 GROVE CT LOVELAND, CO 80537

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).



