

TUNER GENIUS XL™

PRELIMINARY SPECIFICATIONS



- Integrates with any transceiver
- Designed to complement FLEX-6000 series transceivers and the Power Genius XL™ amplifier
- Seamless SmartSDR™ software integration
- Complete control and monitoring (over LAN) from an intuitive Windows™ application
- Contest ready - the ONLY single-radio SO2R solution in amateur radio
- High accuracy SWR and power meter measurements in bypass mode.....and much more.

GENERAL SPECIFICATIONS

- Tuning: Fully automatic and manually tuned operation
- Frequency Range: 1.8 to 54 MHz continuous
- Radio Interface: Works with all radios using Flex radio LAN, RS232, CI-V, BCD, Pin-to-Band (PTB), or use the built in frequency counter.
- Alarms and Warnings: Low drive, Frequency Out of Range, Wrong band, and High power
- Matching Range: Up to 10:1 SWR. Resonant antenna frequency range memories will bypass the tuner automatically.
- Tuning Time: Tuning solutions (2 to 12 seconds) are stored in memory automatically. Stored memory switching is 20ms.
- Tuning Power Requirement: 10W - 200W

USER INTERFACE

- Large 4.5" color touch screen display
- Front panel controls for manual switching, tuning & configuration
- Windows™ utility application for over the network control and configuration

RF CHARACTERISTICS

- Nominal Impedance: 50-Ohm unbalanced
- Nominal Operating Power: Up to 2000W
- Duty Cycle: 100% ICAS
- Protection: Intelligent SWR and power derating

1x3 Version

- Inputs and Outputs: 1x3 matrix (1 in, 3 out)
- Switching: Matrix, manual or automatic by frequency / band

SO2R Version

- Inputs and Outputs: 2 in, 2 out - each input is paired with one output
- Switching: Non-matrix SO2R, manual or automatic by frequency/band
- Connector type: UHF/PTFE (SO-239A)

MECHANICAL / ELECTRICAL

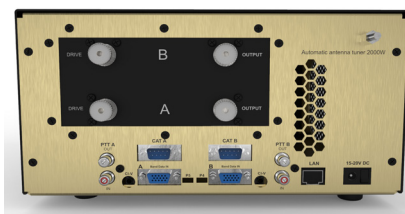
- Required Power Supply: 12 - 16V DC @2A via an external 100 to 240 VAC power supply (not included)
- Dimensions: 11.8" W x 13.8" D x 5.9" H (30cm W x 35cm D x 15cm H)
- Weight: 15.4 lbs (7kg)

ENVIRONMENTAL

- Temperature Range: -4F (-20C) to +122F (+50 C)
- Humidity: up to 98 percent (non-condensing)
- Altitude (ASL): up to 10,000 feet (3,050m)

This device has not been authorized by the rules of the FCC. This device is not, and may not, be offered for sale or lease, or sold or leased, until authorization is obtained.

Specifications subject to change without notice.



Note: Rear panel depiction of SO2R version