

# 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)

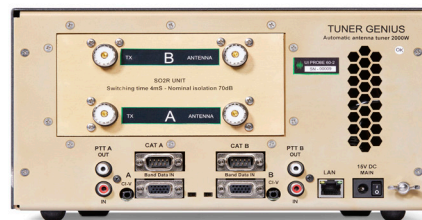
### MECHANICAL / ELECTRICAL

- 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)

*Specifications subject to change without notice.*



Note: Rear panel - TGXL SO2R