



# FlexRadio

Find Everywhere

## FLEX-8600™ / FLEX-8600M™

The FLEX-8600™/FLEX-8600M™ offers the ultimate in high performance direct sampling SDR technology for the most demanding HF/6m DXers and contesters. The FLEX-8600 is designed for the ham who wants to operate the radio exclusively as a server from a PC, laptop, Maestro™, Mac®, or iOS®, clients—whether local or remote. The FLEX-8600M allows the same client access, but does so with a stunning 8" touchscreen display and ergonomic controls to deliver a high-performance SDR with a traditional radio interface — no PC required. Both models share the same game-changing band awareness, industry-leading phase noise performance/receiver dynamic range, and brick wall filters to give you the advantage in the most competitive DXing or contesting activities while maximizing your fun during casual operations.

### 8600/8600M FEATURES

- 100W PEP HF-6m operation
- All Modes/All Bands
- Integrated Remote Operation with a Maestro™, iPad®, iPhone® or PC/Laptop
- Four Independent Band/Mode Receivers
- Full Duplex Cross-Band Operation
- True Diversity Reception
- Two Receive Only Ports
- Two Transverter/Exciter Ports
- Economical SO2R Solution (OTRSP) Support in One Radio
- Contest Band Filters: >50dB Rejection band-to-band
- Direct Sampling SDR 245.76MSPs, 16 bit
- 115 dB 2kHz RMDR
- 8-Inch 1920 X 1200 IPS Display on 8600M with external monitor port
- >155 dB Dynamic Range
- Built in Antenna Tuner
- 10 MHz Reference Input
- Integrated GNSS receiver with antenna maintains radio frequency with no adjustments
- Optional High-performance GPSDO for ultra high frequency precision and accuracy
- Optional MARS/CAP/SHARES TX Expansion Module



ASSEMBLED IN USA

RECEIVER	
Independent Band/Mode Receivers (Max)	4
1/2 kHz Reciprocal Mixing Dynamic Range (RMDR)	110/115 dB
ADC Bits/Sampling Rate	16/245.76 Msps
Frequency Coverage	30 kHz–54 MHz
Amateur Band Preselectors	7th Order Contest Bands, 3rd Order Other
Cableless Digital Audio Channels (DAX/DAX IQ) Channels	4/4
Receive Only Ports (Base/Including XVTR Ports)	2/4
Full Duplex RX/TX Operation	✓
Simultaneous Receive on Two Antennas (e.g., 20m & 6m)	✓
Single Radio SO2R Operation – No External Equipment	✓
Diversity Reception	✓
SPECTRUM/WATERFALL DISPLAY	
Internal Touch Panel Display Size Diagonal	8-inch (8600M)
Integrated Display Resolution	1920x1200 (8600M)
External Display Resolution/Connection	1920x1200/external monitor port (8600M)
Spectrum/Waterfall Displays (Max)	4 (up to two visible on 8600M display)
Spectrum/Waterfall BW (Min/Max)	1.2 kHz–14 MHz
Spectrum Dynamic Range (Max Zoom In)	> 155dB
Spectrum Resolution Bandwidth (Min)	1.6 Hz/px
TRANSMITTER	
160m–6m Transmitter Output	1-100W (25W AM)
Harmonic Suppression	< -60 dBc
Transverter Ports	2
Transverter IF Frequency Coverage/Power	100 kHz–54 MHz/adjustable up to +10 dBm
Integrated Automatic Antenna Tuner Range	3:1 SWR
Continuous MARS/CAP Coverage with Extended Transmit Filter	Optional
Integrated Adaptive Pre-distortion	✓
GENERAL	
Modes (Note 1)	SSB, CW, AM, SAM, FM, RTTY, Digital
Integrated Remote Operation (SmartLink™)	✓
Maestro, PC, MAC, iPhone®, iPad® Client Options	✓
Integrated 12-channel GNSS Receiver, TTFF (COLD) <35s	GPS, Galileo, GLONASS, QZSS, SBAS
Frequency Stability (0°C–50°C)	0.001ppm (GNSS), 0.5ppm (TCXO)
Optional High-performance GPS Disciplined Oscillator	5 x 10 <sup>-13</sup> Over 24 Hours
External 10MHz Reference Input	✓
Power Supply Requirements	13.8V DC +/- 15% (14 VDC Nominal)
Dimensions	6.74"H (17.1cm) x 14"W (35.6cm) x 13.25"D (33.7cm)

©FlexRadio, Inc. Some features subject to change without notice. Some features may be in future releases.