



# VL-1000

## HF/50MHz LINEAR AMPLIFIER

### QUADRA SYSTEM

For a bold, clean signal from "Top Band" through the "Magic Band," the VL-1000/VP-1000 QUADRA SYSTEM belongs in your station!

#### Innovative Quadra Push-Pull RF Design for 1 kW of MOSFET Power!

Yaesu's engineers have conquered the challenging task of providing high power output from 160 through 6 meters!\* Yaesu's exclusive Quadra Push-Pull design utilises 8 rugged MRF-150 MOS FETs for years of reliable operation. Special attention to system grounding and RF bypassing ensures very low spurious emissions, even at maximum power output.



#### Powerful 16-bit Control CPU Provides High-Speed Antenna Tuning with Extensive Memory and Multi-Band Memory Data Backup!

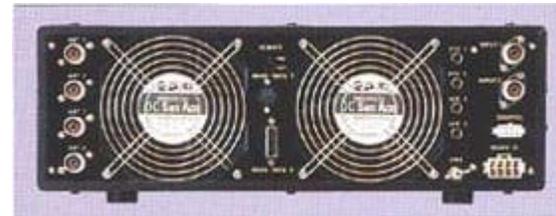
The heart of the control circuitry of the VL-1000 is a 16-bit microprocessor, driven by a Yaesu-exclusive tuning algorithm in software. The on-board return-loss bridge analyses the antenna system performance, instantly sending tuning instructions to the stepper motors in the antenna tuner section.

#### Large Dot-Matrix LCD Display Features World's First Panoramic SWR Monitor!

The huge 190 x 43 mm dot-matrix LCD provides a wealth of amplifier-status information, including peak power output, average power output, voltage, current, and SWR data. Another Yaesu "World First" feature is the Panoramic SWR Monitor, which displays "before tuning" and "after tuning" SWR information for points across a band, providing you with instant data regarding antenna system performance.

#### Direct Air Flow Cooling System Provides Efficient Dissipation of Heat!

Twin high-speed fans, thermostatically controlled, quietly direct cooling air across the 76 vanes of the heat sink, efficiently transferring heat out of the amplifier compartment. Both the VL-1000 Amplifier and VP-1000 Power Supply have their own fan systems with independent thermostats.



#### Automatic Band Change for Quick QSY!

When operating with most modern Yaesu transceivers band data information can be transferred between transceiver and amplifier, allowing automatic amplifier band change when you change bands on the transceiver (Band Data Cable for FT-1000D/FT-1000MP/FT-920 supplied)\* The VL-1000 also provides Automatic Band Change via a frequency sensing circuit which instantly changes band when RF drive is first applied, for use with other excitors.

#### Two Input and Four Output Antenna Jacks for Versatile Integration Opportunities in Your Station!

The two input jacks allow, for example, connection of an HF transceiver to INPUT 1 and a 6-meter transceiver to INPUT 2, while the four output jacks may be connected to your station's many antenna systems. Automated



15A (AC 100 - 200V @ 500W output)

Dimensions: 413 (W) x 151 (H) x 381 (D) mm (include. feet, switches)

Weight: 14.6 kg (32.2 lbs.)

**Options**

**CT-56 Band Data Cable for FT-840/890/900**

**MR-1000 Mounting Rack w/Carrying Handles**