

# MICOM™ -2

HF-SSB Automatic Antenna Tuner, 1.6-30 MHz  
Heavy Duty Operation, Model Number FLN2818

**Fast Accurate Automatic Tuning.**

**For Mobile and Outdoor Fixed and Marine Installations.**



## FEATURES

### Automatic, Fast Tuning

Microprocessor controlled self-tuning circuitry automatically tunes the antenna to the transmitter. The unit monitors antenna conditions each time a channel is changed and retunes when necessary. Typical tuning process takes less than half a second to complete.

► *Tuner never needs to be programmed or manually adjusted. There are no presets. Fast, automatic tuning means the channel is ready for communications whenever you are.*

### Accurate Tuning

Microprocessor electronics accurately match the transmitter and antenna impedances.

► *Antenna system operates at peak efficiency, providing the maximum system performance.*

### Large Memory Capacity

The Automatic Antenna Tuner can accommodate over 4400 channels.

► *Complex system configurations are easily achieved.*

### Ease of Installation

Simply mount the unit and connect the antenna, ground and radio leads. Only one RF cable is used for both RF and control purposes.

► *Ease of installation allows the unit to be mounted quickly and economically.*

### Low Level Tune Power

The automatic antenna tuner tunes at a low RF power level.

► *Ensures long term reliability and extended tuner life. Spectrum pollution is minimized.*

### Rugged Housing

The housing is manufactured of a high strength, lightweight polycarbonate material.

► *Optimum performance is maintained in harsh environments.*

# MICOM-2

## Automatic Antenna Tuner HF-SSB

### SPECIFICATIONS

#### PERFORMANCE SPECIFICATIONS

<b>Model:</b>	FLN2818
<b>Frequency Range:</b>	1.6–30 MHz
<b>RF Input Power Capability:</b>	125 Watts (Note 1)
<b>Tuning Accuracy:</b>	Automatically Tunes to 50 ohms with a nominal VSWR of 1.5 (maximum VSWR of 2) on any frequency in the 1.6–30 MHz range.
<b>Memory Capacity:</b>	Over 4400 memory settings
<b>Tuning Time:</b>	Typical: 0.5 Sec., Maximum: 1.5 Sec. From memory: Less than 20 msec.
<b>Duty Cycle:</b>	Designed for voice and data applications. Compatible with MICOM-2 and MICOM-2E Radios.
<b>Antennas:</b>	For frequency range 1.6–30 MHz: 12 ft. (3.7m) to 16 ft. (5m) mobile whips 23 ft. (7m) to 35 ft. (10.8m) base station whips 23 ft. (7m) to 60 ft (18.2m) long wire antennas For frequency range 2-30 MHz: Same as for 1.6-30 MHz plus 8–12 ft. (2.5–3.7m) mobile whips
<b>Tuner Power:</b>	3.5–5.5 Watts
<b>DC Power Requirements:</b>	12 Volts DC, 1.2 Amp. supplied by radio
<b>Operating Temperature:</b>	–30°C to +60°C
<b>Storage Temperature:</b>	–40°C to +85°C
<b>Humidity:</b>	95% at 50°C
<b>Housing Type:</b>	Weather resistant for outdoor and marine installations
<b>Housing Dimensions:</b>	7" x 13.4" x 16.7" (17 cm x 34 cm x 42.5 cm)
<b>Weight:</b>	12.12 lbs. (5.5 kg)
<b>RF and Control Cables:</b>	Supplied with: FKN4589 (17 ft., 5.18m) RF cable (used also for control) FKN4314 High voltage cable (for use with mobile whips)

Note :1 Two-tone test method for voice, and Single-tone method for CW (Morse code) transmission.

#### GENERAL OPTIONS AND ACCESSORIES

<b>FKN4612</b>	RF Cable Kit, 30 Feet (N Type–UHF)
<b>FKN4613</b>	RF Cable Kit, 100 Feet (N Type–UHF)



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