

MICOM™ -2

HF-SSB Automatic Antenna Tuner, 1.6-30 MHz
Mobile, Fixed and Marine Applications

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.*

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Accurate Tuning

Microprocessor electronics accurately match the transmitter and antenna impedances.

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

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Large Memory Capacity

The Automatic Antenna Tuner can accommodate over 4400 channels.

- ▶ *Complex system configurations are easily achieved.*

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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.*

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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.*

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Rugged Housing

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

- ▶ *Optimum performance is maintained in harsh environments.*

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PERFORMANCE SPECIFICATIONS	
Model:	F2265
Frequency Range:	1.6–30 MHz
RF Input Power Capability:	125 Watts (Note 1)
Tuning Accuracy:	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.
Memory Capacity:	Over 4400 memory settings
Tuning Time:	Typical: 0.5 Sec., Maximum: 1.5 Sec. From memory: Less than 20 msec.
Duty Cycle:	Designed for voice and limited-duty data applications. Compatible with MICOM-2 and MICOM-2E Radios.
Antennas:	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
Tuner Power:	3.5–5.5 Watts
DC Power Requirements:	12 Volts DC, 1.2 Amp. supplied by radio
Operating Temperature:	–30°C to +60°C
Storage Temperature:	–40°C to +85°C
Humidity:	95% at 50°C
Housing Type:	Lightweight, Compact, Weather resistant
Housing Dimensions:	3.6" H x 9" W x 14.2" L (9.2 cm x 22.9 cm x 36.2 cm)
Weight:	5.5 lbs. (2.5 kg)
RF and Control Cables:	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	
FKN4612	RF Cable Kit, 30 Feet (N Type–UHF)
FKN4613	RF Cable Kit, 100 Feet (N Type–UHF)



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