

micomWima



125 WATT WIDE-BAND MOBILE AUTOMATIC ANTENNA SYSTEM

*Fully automatic
advanced tuning
for highly reliable mobile
HF communications*



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125 WATT WIDE-BAND MOBILE AUTOMATIC ANTENNA SYSTEM

Designed to operate with Micom HF-SSB radios, the advanced micomWima wide-band mobile automatic antenna system provides rapid, fully automatic tuning for HF radio communications in land or marine mobile applications.

Meeting MIL-STD-810 for shock and vibration, the fully weatherproof, fully immersible micomWima ensures rapid link establishment and the highest level of communication reliability, under any operational condition.



Specifications:

Model:	FAD1410
Option:	NVIS Mobile Accessory Kit F5480ASP229
RF input power capability:	125 Watts P.E.P.
Tune power:	3.5-5.5 Watts
DC power requirements:	12 Volts DC, 1.2 Amp. supplied by radio
Tuning accuracy:	Automatically tunes to 50 ohms with a nominal VSWR of 1.5 (maximum VSWR of 2) on any frequency in the 1.6-30MHz range
Memory capacity:	Over 4400 memory settings
Tuning time:	Typical: 0.5 sec., Maximum: 1.5 sec.
Duty cycle:	Designed for voice and limited-duty data applications. Compatible with all Micom radios.
Antenna:	7FT (2.13m) fiberglass antenna supplied as standard. Additional lengths available.
Operating temperature range:	-30°C to +60°C / -22°F to +140°F
Storage temperature:	-40°C to +85°C / -40°F to +185°F
Humidity:	95% @ 50°C
Housing dimensions:	65 cm (L) x 27 cm (D) x 7 cm (H) 25.6" (L) x 10.6" (D) x 2.7" (H)
Weight:	5 Kg / 11 Lbs

The micomWima provides users with essential benefits and features

Fast, automatic link establishment

- The micomWima automatically seeks the optimum tuning point at all communication conditions.
- An embedded memory facility automatically stores any configuration required to tune to a specific frequency. Whenever that frequency is called on subsequent uses, the micomWima quickly reconfigures to the required frequency. Whenever variations affect communication quality, the micomWima automatically re-tunes the antenna to optimize signal quality.

Highly reliable HF radio communications

- Utilizing advanced microprocessor-controlled technology, the micomWima provides precise and continuous tuning over the entire 1.6-30 MHz operating spectrum.

User-friendliness

- The micomWima quickly and easily mounts to a wide variety of vehicles, requiring no drilling, no special fitting nor special tools.

NVIS

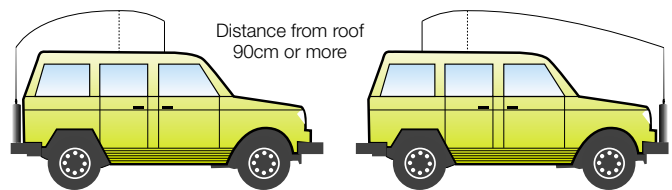
- The (NVIS) Near Vertical Incidence Skywave Mobile Accessory Kit is an optional kit, enhancement to the Wide-Band mobile Automatic Antenna system.
- Short whip antennas have poor radiation/propagation. This phenomena results in bad communications at short and medium ranges. As a result, when challenging rough mountainous terrain, it becomes harder to establish communications.
- By adding the NVIS option to the micomWima, we are extending the length of the antenna, thus creating a more horizontal take-off angle. This improves the quality of communications and assures stable communications.

NVIS Major Features

- **Improved range of communications**—transmission of range up to 600K will be greatly enhanced with the NVIS Mobile Accessory kit.
- **Easy fitting to vehicles**—the NVIS Mobile Accessory Kit is easy, simple and fast to install. No special training or tools are required.

Additional Features

- **Robust design**—the robust design of the NVIS will endure and withstand harsh conditions.



NVIS mounted on rear fender or on spare wheel fitting

NVIS mounted on front mount fender

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