



HF AUTOMATIC ANTENNA TUNER

AT-130



TUNE IN YOUR HF MARINE WORLD.

SUITABLE FOR MANY VESSELS

The versatile AT-130 can be used with a variety of vessels, even smaller boats that cannot use a long antenna element. For example, the AT-130 will match a 7 m (23 feet) long wire antenna across the marine band in the 1.6 - 27.5 MHz range.

AUTOMATIC TUNING

No manual tuning is needed. Just push the [TUNE] switch on an Icom HF marine transceiver; the AT-130 adjusts the antenna and the transceiver to the minimum SWR in any frequency on an HF marine band. The AT-130 allows you to transmit with strong RF output power, and is perfect for maritime mobile operations.

WEATHER RESISTANT

The AT-130 is housed in a durable, completely weather-resistant acrylic case with rubber gaskets. This allows it to be conveniently installed near the antenna element base.

FOR ICOM HF MARINE TRANSCEIVERS

Icom's sophisticated AT-130 easily matches Icom HF marine transceivers. The AT-130 easily interconnects with an Icom HF marine transceiver. AT-130 installation is simple. No adjustments are necessary. Just connect the control cable and antenna wire and go!

QUICK TUNE-UP

Improved tuning performance...the tune-up time is less than 3 seconds in any frequency on an HF marine band. In addition, the AT-130 has 8 convenient memories to store tuning information. Retuning for a memorized frequency takes about 1.5 seconds. This allows you quick trouble-free frequency changes.

LOW POWER TUNE-UP

The AT-130 emits very little output power (just 300 mW) during the tuning process. This reduces the possibility of causing interference to other stations using the frequency.

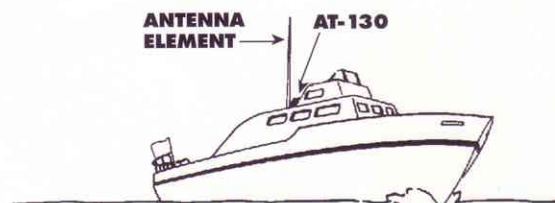
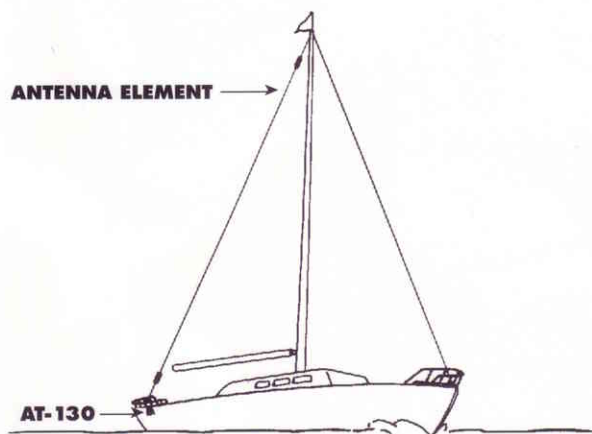
Icom Inc.

SPECIFICATIONS

- Dimensions : 230 (w) x 340 (H) x 80 (D) mm
9.1 (W) x 13.4 (H) x 3.1 (D) in.
(projections not included)
- Weight : 2.7 kg (6.0 lb.)
- Usable temperature range : -30° C ~ +60° C
- Rated voltage : 13.6 V DC \pm 15% (negative ground)
(Supplied from an Icom HF marine transceiver)
- Current drain (at 13.6 V DC) : 2 A
- Frequency coverage : 1.6~30 MHz
(with the antenna length 7 m (23 ft.) or longer)
- Input impedance : 50 Ω (unbalanced)
- Max. input power : 150 W (PEP)
- Input power during tuning : 10 W
- Auto tuning time : 1.5 sec. (retuning for a memorized frequency)
Typically 2~3 sec.
(when operating band has been changed)
- Auto tuning time : VSWR 2.0:1
- Insertion loss : 0.5 dB (with a 50 Ω load, after tuning)

INSTALLATION RECOMMENDATIONS

Install the AT-130 near the antenna element base as shown in the figures below. Should be installed in a covered location (unit is water resistant).



Icom America, Inc., Corporate Headquarters

2380 116th Avenue N.E., Bellevue WA 98004
Phone: (425) 454-8155 Fax: (425) 454-1509

Customer Service: (425) 454-7619

Icom Canada

A Division of Icom America, Inc.
3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada
Phone: (604) 273-7400 Fax: (604) 273-1900

COMMUNICATION HEADQUARTERS, INC.

CINEMA SQUARE SHOPPING CENTER

3832 OLEANDER DRIVE
WILMINGTON, NC 28403
TECHNICAL (910) 791-8885
ORDERS 1-800-688-0073