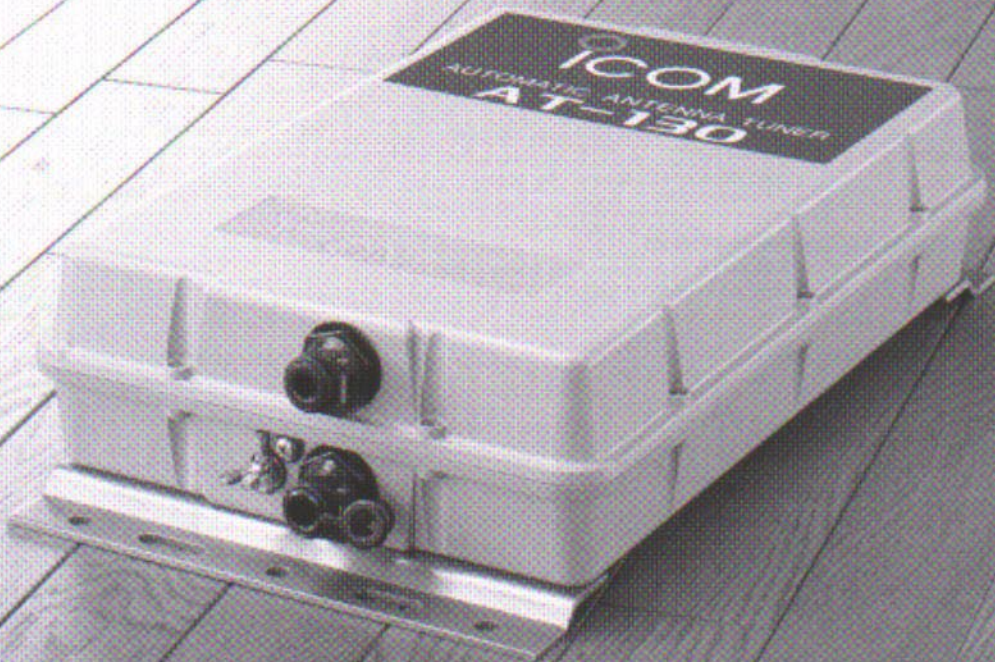


**ICOM<sup>®</sup>**

**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 operators.

### **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. Re-tuning for a memorized frequency takes about 1.5 seconds. This allows you quick re-tunes when 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.

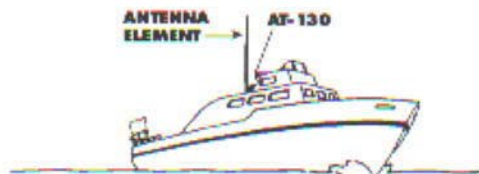
**Icom Inc.**

**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 to +60°C
- Rated voltage : 13.6 V DC  $\pm$  5% (negative ground)  
(Supplied from or from 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  $\Omega$  (unbalanced)
- Max. input power : 150 W (PEP)
- Input power during tuning : 10 W
- Auto tuning time : 1.5 sec. (tuning for a memorized frequency)  
Typically 2-3 sec.  
(when operating band has been changed)
- Auto tuning time :  $\leq$ SWR 2.0
- Insertion loss : 0.5 dB (with a 50  $\Omega$  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).


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