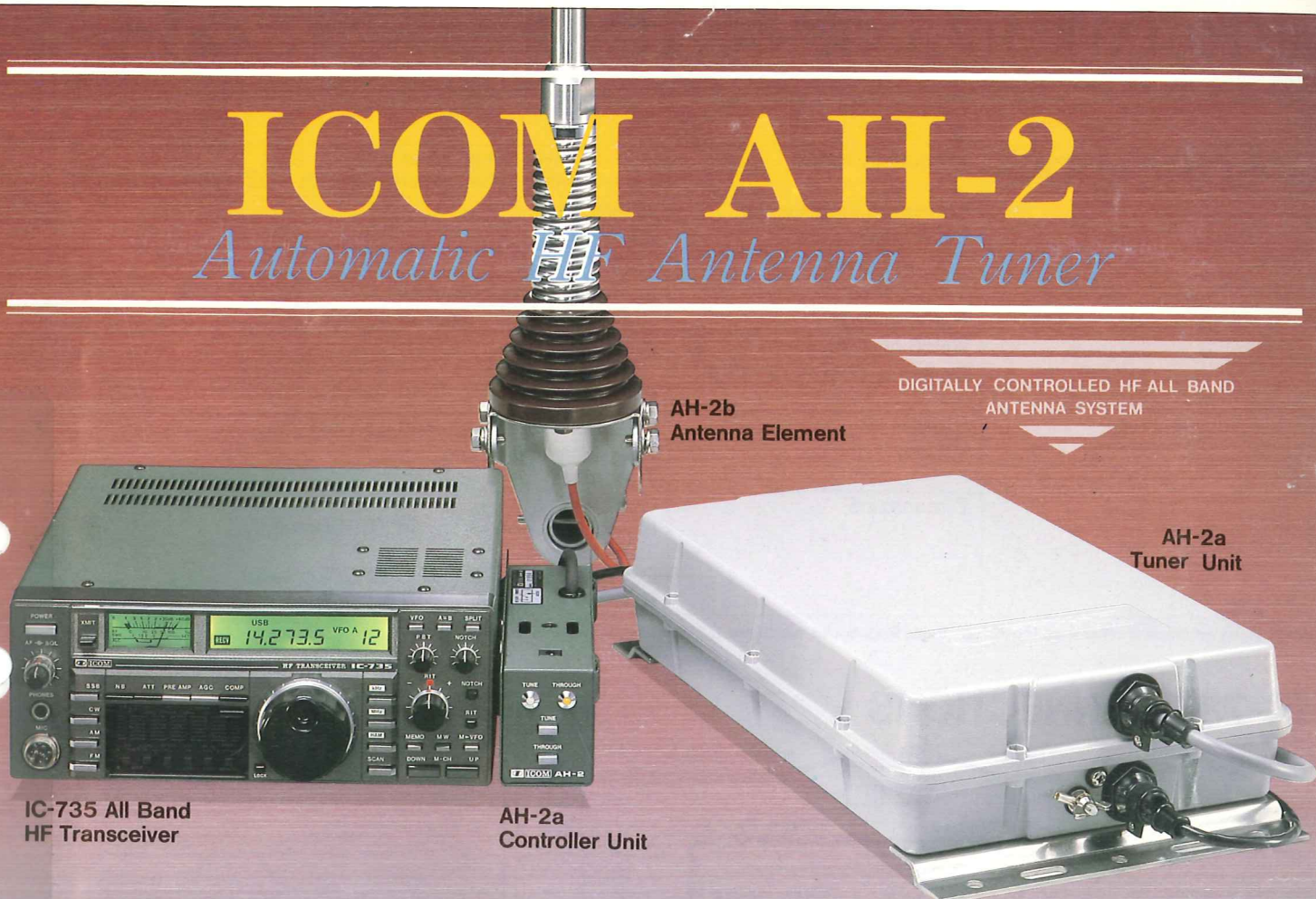


ICOM AH-2

Automatic HF Antenna Tuner



IC-735 All Band
HF Transceiver

AH-2a
Controller Unit

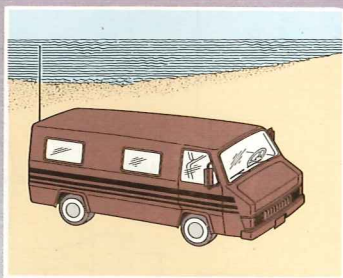
AH-2b
Antenna Element

DIGITALLY CONTROLLED HF ALL BAND
ANTENNA SYSTEM

AH-2a
Tuner Unit

ICOM presents the AH-2 automatic antenna tuning system for the IC-735 all band HF transceiver. The AH-2 is ideal for mobile operators since there is no manual antenna tuning needed...an advantage in inclement weather. Also, the AH-2 system enables auto-tuning in areas where antennas are limited, such as apartments and condominiums.

The ICOM AH-2 System combines advanced matching techniques and rugged construction for indoor or outdoor



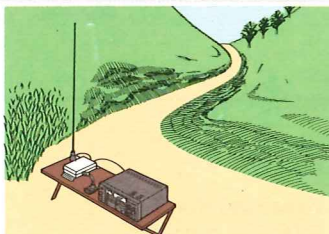
use to match frequencies from 3.5MHz to 30MHz. The system includes the AH-2a tuner and controller units and the AH-2b antenna element.

The AH-2a Tuner Unit enables optimum matching conditions via its built-in 8-bit microcomputer and LC (coil/capacitor) circuit. More than 260,000 LC combinations are possible.

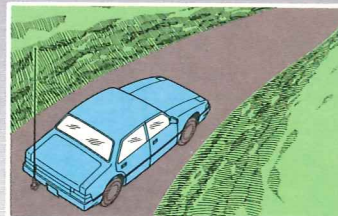
The AH-2a Controller Unit easily attaches to the side of the IC-735 HF transceiver. By

simply pushing the TUNE button on the front panel of the AH-2a controller unit, the controller automatically tunes from 3.5MHz to 28MHz in less than six seconds. It can also be used on the 1.8MHz band with an extension of the stainless steel whip.

The AH-2a Tuner Unit is housed in a durable weather-resistant case and is capable of storing tuning information for eight different frequencies. Retrieving tuning data from the memories is accomplished in less than one second!



The AH-2a can be purchased separately to accommodate the ham who already has a bumper-mount and whip antenna, or the apartment/condo dweller who wants to match a random wire.



The AH-2b antenna element includes sturdy bumper mounts which hold the 271mm stainless steel whip in place, plus all the necessary hardware.

For the ideal mobile station, look at the IC-735 transceiver and the AH-2 automatic antenna system...they're quite a match.

(Specifications on reverse side)

HF/VHF/UHF AMATEUR, MARINE AND BUSINESS USE COMMUNICATION EQUIPMENT



ICOM INCORPORATED

PHONE : (06)793-5301

1-6-19, Kamikuratsukuri, Hirano-ku, Osaka 547, Japan

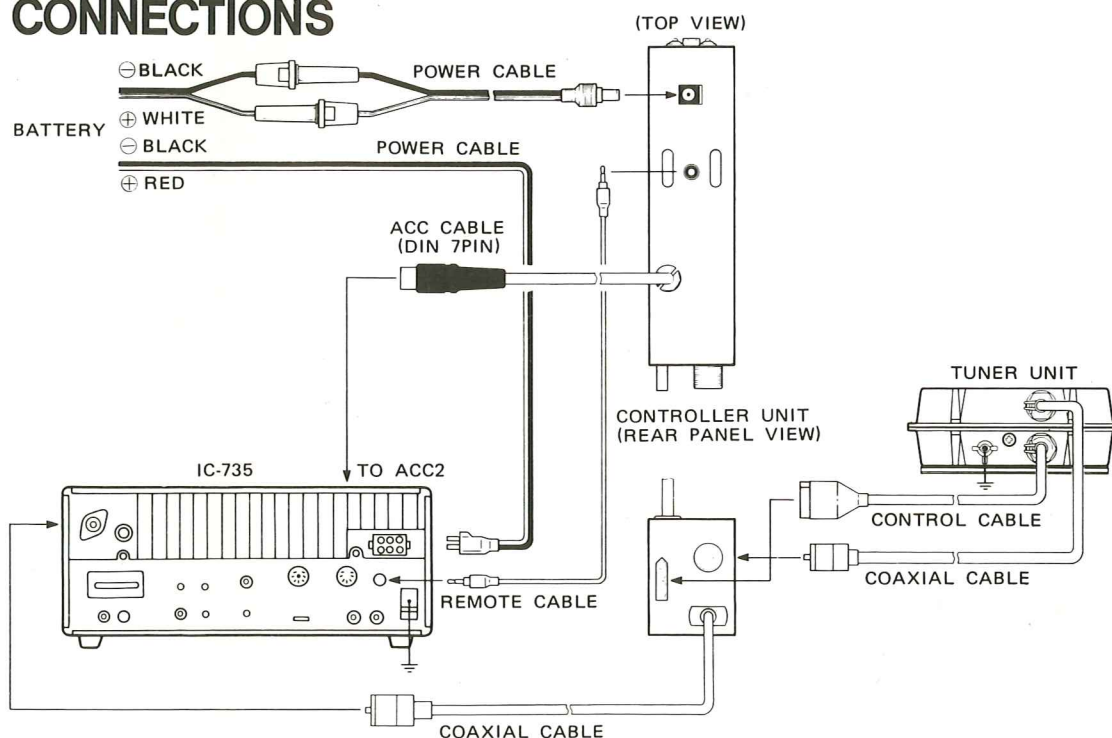
CABLE : ICOMTRCVR TELEX : ICOM TR J63649

SPECIFICATIONS

Frequency range	3.5~30MHz (when used with AH-2b) 1.8~30MHz (when antenna length is 12 meters or longer)
Maximum input power	120W
Input impedance	50 ohms
Tuning power	10W (5~15W)
Tuning time	2~4 seconds average (20 seconds maximum)
Rated voltage	13.8V DC \pm 15% (negative ground)
Rated current	2A or less
Usable temperature range	-10°C~+60°C (+14°F~+140°F)
VSWR*	1.5 : 1 or less (when used with AH-2b)
Weight	Controller unit 0.7kg Tuner unit 2.4kg
Dimensions	Controller unit 53mm(W)×63mm(H)×205(210)mm(D) Tuner unit 230mm(W)×85mm(H)×380(395)mm(D) Bracketed values include projections.

*When using an antenna other than the AH-2b, those frequencies which are 1/2 wavelength or multiples are excluded.

IC-735 CONNECTIONS



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