- IT KNOWS ALL YOU NEED
 AND DOES IT AUTOMATICALLY
- A MUST FOR THE DX'ER AND CONTESTER

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RUTOMRTIC HE LIN

Cool 1500W RF output

The ACOM2000A is a complete and self-contained linear amplifar. Covers all HE amateur bands. Employs two ACX800A. (62148). Sweldan kigh performance ceramic metal tecrodes. Compacible with all transceivers, exciters, and modes. Less than 60W drive and relay control are regulated.

Automatic self-tune

Follows transceiver band and frequency automatically in less than a second. No special cables required. Just a dot on CW or 'Ah' on SSB are enough.

Automatic antenna matching Never think about an ATU for VSWR up to 3:1 (2:1 on 160)

m). Higher VSWR is permissible at reduced power.

Matching the actual antenna impedances to the optimum tubes load is automated. Typically I second and no skill is required.

Automatic antenna change

User tunings of ten different antennas per each band segment are stored in a nonvolatile memory and then recalled automatically. ACOM2000S external automatic

QSK

Full break-in (QSK) based on a built-in vacuum relay. Transmit / receive switching sequence is secured by a dedicated microprocessor.

dedicated microprocessor. Remote control unit

Only the Remote Control Unit needs place near the operator.

The main unit can be installed up to 3 meters (10 feet) aside.

RCU features: amplifier status explained via detailed text on the LCD, control of all functions, measuring and/or monitoring of 20 most important parameters, on-board technical assistance, troubleshooting suggestions, power-



Easy maintenance

The protection system makes damaging the amplifier not an easy job. Information on the 12 recent protection trips is stored in an INFO BOX for remote diagnostics via phone like PC and internet.





Remote Control Unit Size: 167 x 130 x 25mm (6-2/3" x 5-1/8" x 1")

RS232 and network

All functions are accessible from a PC via RS232 serial port. Local network may include more than one amplifier / antenna unit set working in a system.

> SELF ADDRESS: 03 Use Arrow Keys

Use Arrow I

Protections All tubes voltages and currents, supply voltages

All tubes vortages are currents, applys voveniesting, overdrive, insufficient flow of cooling air, internal and external RF arcs (in the amplifier, antenna selector, tumer or antennas). Pis Requencing, antenna relay contacts hot switching', antenna matching quality, reflected power, stored data, inrush power-on current, and cover interlock for operator's safety.

Clean signal Grid-driven tetrodes, cathode negative feedback, excellent

transcisse loading (typically below 1, 2: Input VSWR), and regulated 65 and present to a next movel for which was designed for the service of the service of

ipment

Shipping Weight: 41kg (18.6 lbs) in 2 cartons, UPS

Specifications

- Frequency Coverage: All amateur bands 1.8-29.7MHz extensions and/or changes on request
- Power Output: 1500W PEP or continuous carrier, no model limit
- mode limit.

 Intermodulation Distortion: Better than 35dB below
- rated output.

 Hum and Noise: Better than 35dB below rated output.

 Harmonics Output Suppression: Better than 50dB below
- rated output.

 Input and Output Impedances:
 -nominal value: 50 Ohm unbalanced, UHF (SO239)
- -input circuit: broadband, VSWR less than 1.3:1, 1.8-30MHz continuously (no tunings, no switching); -bypass_path_VSWR_less_than_1.1:1, 1.8-30MHz
 - outinuously:
 -output matching capability: better than VSWR 3:1 (2:1

- Automatic Tuning:
- antenna impedance matching less than 3 seconds;
 band change less than 1 second;
- segment change less than 0.2 seconds.
 RF Gain: 14.5dB, frequency response less than 0.5dB (50 to 60W drive power for rated output).
- to 60W drive power for rated output).

 ALC: grid-current derived, -TV max, rear panel adjustable.
- Primary Power: 90-132V (100 & 120V nominal taps, 10% tol.) and 180-264V (200, 220 & 240V nominal taps, 10% tol.). 50-60Hz, single phase, 3500VA consumption at
- rated output.

 Size (operating):
 - -W440mm x D500mm x H180mm (17-1/3"W x 19-2/3"D x 7"H) • Weight (operating):
 - Weight (operating) - 36kg.

Construction

Only high quality RF ceramic and silver planed metals (in plastics, no ferries) in the plate and. Two transmissions plastics, no ferries in the plate and. Two transmissions purs and assembles are ACOM produced: ceramic plate sockets, plate and antenna ceramic chokes, ceramic supported and but Bearing variable air capacitors, ceramic band switch, LV and HV ransformers, 100W swamping 50 OHn RF reastor, quite air blower metal work, etc.

ACOM's own research, development, hardware, and software design and engineering have led to the dramatically low cost of the amplifier.

Options

- Auxiliary external fan for continuous modes of operation
 (24V/119 x 119mm x 38mm/4-2/3" x 4-2/3" x 1-1/2")

 ACOM20005 external automatic antenna switch (10 positions 55 Why and positions of control fan.

 Auxiliary external auxomatic antenna switch (10 positions 55 Why and positions 50 Why and position
- positions, SkW rated power, 50 Ohm coascial line).

 DOS application for tuning via personal computer. You can describe your antenna field. Then leave PC to control your transceiver, amplifier, and antenna switch. Requests
- will be automatically tuned and stored in amplifier's memory. User tunings can be archived and loaded into amplifier memory later as well.
- Technical Supplement to the Operating Manual.

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Your local dealer/distribute

RGOM 2000R

AUTOMATIC HF LINEAR AMPLIFIER



The Intelligent Amplifier