

## Acom 1010 HF Linear Amplifier New LAMCO Barnsley



Price: £1,699.95

**SKU:** Acom 1010 New LAMCO Barnsley

**In stock:** 2

**Product Categories:** [LAMMY'S SPECIAL PROMOTIONS](#), [ACOM](#), [AMPLIFIERS](#), [COMMERCIAL LINEAR AMPLIFIERS](#)

**Product Tags:** [Acom 1010 HF Linear Amplifier](#)

**Product Page:** <https://www.hamradio-shop.co.uk/product/acom-1010/>

### Product Summary



## Product Description

# Acom 1010 HF Linear Amplifier



## Acom 1010 HF Linear Amplifier

Acom 1010 HF Linear Amplifier budget 160-10m small and lightweight linear amplifier, for fixed or DX pedition and Field Day operations.

**FEATURES**  
**Easy operation.** Acom 1010 The plate-load True Resistance Indicator (TRI) is an ACOM innovation that provides quick and precise tuning, typically in less than 10 seconds. The auto-operate function will return the amplifier to the OPERATE mode automatically after each protection trip, saving time and avoiding manual switching.  
**No tuner needed.** Acom 1010 No external antenna tuner is required as long as the antenna VSWR is 3:1 or lower. The amplifier will perform the functions of an antenna tuner, enabling you to change antennas faster and use them over wide frequency ranges.  
**A durable amplifier.** Acom 1010 This amplifier is both user-friendly and self-monitoring. It is designed to safely withstand up to 240 W of reflected power, up to 100 milliseconds of drive spikes (RF “tails” after a PTT or KEY release), and even operator tuning errors. It is also capable of operating at more than half its designed output power at only 75% of nominal line (mains) voltage. Because it can tolerate deep voltage drops (down to zero for 10 milliseconds) and 15% line voltage spikes, it is particularly suited for use in portable environments, such as field days and DX peditions.  
**LED bar-graph display.** Acom 1010 The upper LED bar-graph always reads peak forward power while the lower LED bar-graph is for the reflected power. LED warning indicators are provided for abnormal conditions of grid 1, grid 2, and plate parameters.

### **Antenna selection.**

Acom 1010

Two antenna outputs are selectable on the front panel of the amplifier.

### **Efficient tuning.**

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Antenna matching can be achieved in less than 10 seconds and at a quarter of nominal output power, which produces lower risk of interference to other stations and greater safety to the amplifier components.

### **Transceiver-independent.**

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The amplifier operates without special signaling from the transceiver; it needs only "ground on TX" and 60 W RF drive power to operate at full output power.

### **Input matching.**

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Broadband input matching circuitry offers excellent loading characteristics for the driving transceiver, from 1.8MHz to 30MHz.

### **Single tube operation.**

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A single Svetlana 4CX800A (GU74B) high-performance ceramic-metal tetrode with plate dissipation of 800W (forced air cooling, grid-driven) is used for maximum efficiency.

### **Permanent monitoring and protection of the plate and grids currents.**

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The Bias Optimizer minimizes heat dissipated by the tube, assuring tube longevity.

### **High voltage protection.**

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Design of the high-voltage power supply eliminates the danger of turn-on transients affecting sensitive devices connected to the same line (mains) circuit. Moreover, the amplifier can be configured to accommodate any of 8 nominal line voltages between 100 and 240 V, 50 or 60 Hz.

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- Frequency Coverage: All amateur bands in the 1.8-29.7MHz frequency range; extensions and/or changes on request.

- Power Output: 700 W PEP or 500 W continuous carrier.
- Intermodulation Distortion: Better than 35 dB below rated output.
- Hum and noise: Better than 40 dB below rated output.
- Harmonic Output Suppression: Better than 50 dB below rated output.
- Input and Output Impedances:
  - nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
  - 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 continuously, 200 W maximum;
  - Output (antenna) impedance matching capability: VSWR up to 3:1 or higher.
- RF Gain: 11dB typically, frequency response less than 1dB (50 to 70 W drive power for rated output).
- Primary Power: 85-132 V/170-264 V ac (100, 110, 120, 200, 210, 220, 230 & 240 V nominal taps), +10% -15% tol.), 50-60 Hz, single phase, 1200 VA.
- Complies with CE safety and electromagnetic compatibility requirements as well as FCC-regulations (10 & 12 m band locks provided).
- Size & Weight (operating): WxDxH: 406x315x150mm, 16kg (16x12.4x5.9 inches, 35.3Lbs).
- Operating environments:
  - temperature range: 0...+50 degs.Celsius;
  - humidity: up to 95% @ +35 degs.Celsius.
  - height: up to 3000m above sea level without output deterioration

## Product Gallery



