

# There is no substitute.



3854

3750

3855

 **hy-gain**<sup>®</sup>  
Amateur Radio Systems.

There is no substitute for quality, nor performance, nor the satisfaction of owning equipment that is the very best.

Hence, the incomparable Hy-Gain 3750 Amateur Transceiver. It is unquestionably the finest unit available today.

The 3750 covers all amateur bands from 1.8 through 30 MHz (160-10 meters). It utilizes advanced Phase-Lock-Loop circuitry, dual-gate MOS FET's at all critical RF amplifier and mixer stages, a narrow band SSB crystal filter and a 50 kHz T-notch filter. And that's just the beginning.

The 3750 also incorporates audio and microphone compression circuits, ALC, specially developed S-2002 tubes, and a VFO section that's so stable drift is less than 100 Hz (after a 30 minute warm-up.)

There's a rotating dial for low-speed frequency indication and easy band-scanning. And an electronic frequency counter with four-place digital readout to 100 Hz for pinpoint accuracy. The tuning section also includes a memory circuit for remembering frequencies with a flip of a switch. A 10 MHz WWV receive position eliminates the need for a crystal calibrator.

A speaker unit (3854) with tailored audio response frequency and a complete external VFO(3855) with provision for 7 crystal controlled channels are available in matching cabinets.

See your amateur radio dealer for complete details on the Hy-Gain 3750, or write our Department MM. There is no substitute.

## SPECIFICATIONS

### Frequency coverage

1.8 MHz Band	1.8 - 2.0 MHz
3.5 MHz Band	3.5 - 4.0 MHz
7.0 MHz Band	7.0 - 7.5 MHz
14 MHz Band	14.0 - 14.5 MHz
21 MHz Band	21.0 - 21.5 MHz
28 MHz Band A	28.0 - 28.5 MHz
28 MHz Band B	28.5 - 29.0 MHz
28 MHz Band C	29.0 - 29.5 MHz
28 MHz Band D	29.5 - 30.0 MHz
WWV	RX only 10.0 MHz

### MIC, input impedance

50K $\Omega$   
300 - 2700Hz (-6dB)

### Sensitivity

SSB less than .25  $\mu$ v for  
10 dB S/N+N ratio  
CW less than .15  $\mu$ v for  
10 dB S/N+N ratio

### Modes of operation

SSB (LSB or USB)  
CW

### Input power

200W  
1.8-21.5MHz  
100W  
28-30MHz

### ANT, impedance

50 $\Omega$  - 75 $\Omega$  Unbalanced

### Carrier suppression

More than 50dB

### Side band suppression

More than 50dB

### Spurious and harmonic suppression

Greater than 40dB

### 3rd order distortion products suppression

Greater than 30dB

### IF Frequencies

1st IF 9MHz  
2nd IF 50kHz

### Selectivity

SSB 2.4kHz (-6dB)  
4.0kHz (-66dB)  
CW 400Hz (-6dB)  
1.8kHz (-66dB)

### Audio output into 8 $\Omega$ load

2.5W (10% distortion)  
3.0W (MAX)

### Power source

AC 120V 50/60 Hz (can be re-wired for 240V)

### Power drain

400VA TX  
78VA RX  
48VA RX (Power tube OFF)

### Semi-conductors

Transistor	98
IC	43
Diode	120
Tube	3
Digital Ind.	1

### Weight

44 lbs. 6 ozs. (23kg)

### Dimensions

16-3/4" x 7" x 13-5/8" (420 x 172 x 340mm)



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