

Communications

Equipment by

hallicrafters

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The New Ideas in Communications are Born at Hallicrafters...



S-120

Model S-120 is a new, economically-priced Hallicrafters Receiver combining the current styling of the Hallicrafters units, which includes a full-vision dial and functional design throughout.

FEATURES: Full width slide rule dial with separate bandspread tuning condenser. 3 antennas (ferrite loop for broadcast band, adjustable whip for short wave reception and wire antenna). Front panel headphone jack automatically disconnects built-in speaker.

FREQUENCY COVERAGE: 4 bands change 550 KC to 30 MC.

FRONT PANEL CONTROLS AND JACK: Band spread, Volume — AC — On/Off. Phone jack, BFO, Receive/Standby Switch, Band Selector, Tuning.

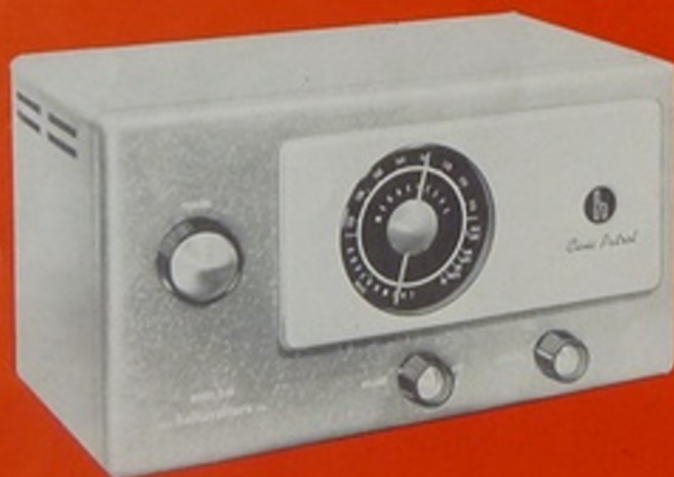
TUBES: 4 tubes plus one rectifier.

REAR CHASSIS: Antenna/Ground Connections.

POWER SOURCE: 105/125V, 50/60 cycle AC or 115V DC. (U/L approved)

PHYSICAL DATA: Cabinet gray steel with silver trim. 13½" wide, 5¾" high, 8¾" deep. Shipping weight — approximately 12 lbs.

980 mf.



S-94, S-95

These versatile receivers, which have met the needs of individuals requiring a low cost unit capable of receiving frequencies in the indicated ranges, have been modified recently, permitting increased sensitivity over their entire frequencies. These fine receivers are ideally suited for reception of commercial, public utility, police, and other point-to-point broadcasts of a similar nature.

FEATURES: Fully adjustable squelch system controlled from front panel. Attractively styled compact case. Minimum controls permit ease of operation. Built-in speaker with provision for headphone operation.

FREQUENCY COVERAGE: S-94—30 to 50 megacycles; S-95—152 to 173 megacycles.

CONTROLS: Main tuning; squelch; on/off-volume.

TUBE COMPLEMENT: 8 tubes plus 1 rectifier.

POWER SOURCE: 105/125 volts, 50/60 cycles AC/DC. (Mobile operation possible with external power converter.)

PHYSICAL DATA: Cabinet — gray steel with silver and red trim. Side — 12¾" wide, 7" high, 7¼" deep. Shipping weight — approximately 12½ lbs.

1.000 mf.

The New Ideas in Communications are Born at Hallicrafters...

Designed for the individual requiring all-around frequency coverage including the 6-meter band at minimum cost in a compactly packaged unit, insuring up-to-the-minute cabinet design with full width slide rule dial. The latest refinements in electronic circuitry combine with an attractive modern cabinet to make this receiver a must in its class.

FEATURES: Separate electrical band spread with 0-100 logging scale plus calibration for 48-54.5 megacycles. Full width slide rule dial. Separate 2-section tuning condensers for main tuning and band spread tuning. Self-contained speaker.

FREQUENCY COVERAGE: 5 bands covering 540 kc to 31 mc and 48 to 54.5 mc.

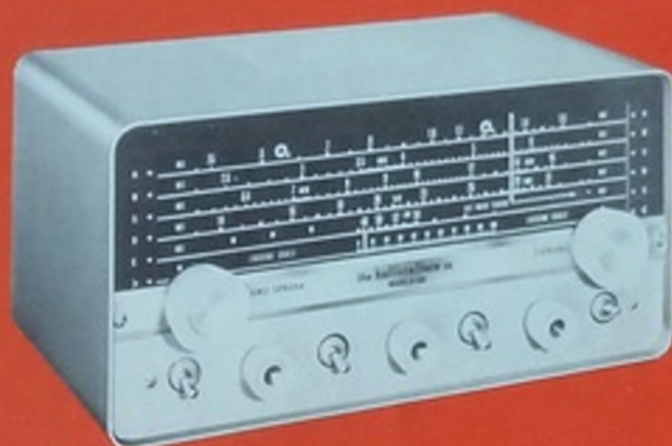
CONTROLS: on-off/volume control; main tuning control; band spread control; phone/sensitivity control; band selector switch; stand-by/receive switch; CW/AM switch; noise limiter switch; high/low tone switch.

EXTERNAL CONNECTIONS: Antenna terminals for single wire or doublet antenna.

TUBE COMPLEMENT: 7 tubes plus 1 rectifier — 6C4, 6BA6, 2-6BA6, 6AL5, 12AX7, 6K6GT, rectifier—5Y3GT.

POWER SOURCE: 105/125 volts, 50/60 cycles AC.

PHYSICAL DATA: Cabinet — gray steel with brushed chrome trim. Size — 13 1/4" wide, 6 3/4" high, 8 1/4" deep. Shipping weight — approximately 18 1/2 lbs.



S-107

The new S-108 combines those qualities desirable to the short-wave enthusiast and the Amateur who require an inexpensive unit incorporating those features normally found in larger models. Included are a temperature compensated oscillator and bandspread calibration for 10, 15, 20, 40, and 80 meter Amateur bands.

FEATURES: Slide rule dial bandspread calibrated on 10, 15, 20, 40, and 80 meter Amateur bands. One RF, two IF and separate bandspread tuning condenser. Temperature compensated oscillator and built-in speaker.

FREQUENCY COVERAGE: Broadcast band 540-1600kc plus three S/W bands 1550 kc-34 mc.

CONTROLS: Sensitivity, band selector, tuning, bandspread, volume, AVC, noise limiter, AM/CW, on/off/tone, pitch control, standby/receive.

EXTERNAL CONNECTIONS: Terminals for single or double antenna on rear. External antenna provided. Headphone jack on front.

TUBE COMPLEMENT: Seven tubes plus rectifier: 6SG7, RP amplifier; 6SA7, converter; 6SK7, 1st IF amplifier; 6SK7, 2nd IF amplifier; 6SC7, BFO and audio amplifier; 6K6GT, audio output; 6H6, ANL, AVC, and detector; 5Y3GT, rectifier.

POWER SOURCE: 105/125 volts, 50/60 cycle AC.

PHYSICAL DATA: Gray steel cabinet with brushed chrome trim. Size — 18 1/4" wide, 8" high, 10 1/4" deep. Shipping weight — approximately 32 lbs.



S-108

1800 uf.

The New Ideas in Communications are Born at Hallicrafters...



SX-110

The SX-110, an entirely new receiver in the medium price class, fills the need of the Amateur or short-wave enthusiast who desires those features normally found only in higher price units, such as an "S" meter with full vision vertical dial, antenna trimmer, and crystal filter. Attractively housed in a functionally styled cabinet, the SX-110 is unquestionably the leader in its field.

FEATURES: Slide rule dial calibrated electrical bandspread over the 10, 15, 20, 40, and 80 meter Amateur bands. Separate bandspread tuning condenser, crystal filter, antenna trimmer, "S" meter, one RF, two IF stages.

FREQUENCY COVERAGE: Broadcast band 540-1600kc plus three short-wave bands covers 1550 kc-34 mc.

CONTROLS: Antenna tuning, sensitivity, band selector, BFO pitch, main tuning, bandspread tuning, volume, on/off/tone, standby, AM/CW switch, selectivity, crystal phasing, noise limiter, headphone jack.

EXTERNAL CONNECTIONS: Terminals for doublet or single wire antenna plus terminals for 3.2 and 500 ohm speakers on rear. Use R-47 or R-48 speaker.

TUBE COMPLEMENT: Seven tubes plus one rectifier: 2-6SG7, 6SA7, 6SK7, 6SC7, 6K6GT, 6H6, 5Y3GT.

AUDIO POWER OUTPUT: 2 watts.

POWER SOURCE: 105/125 volts, 50/60 cycle AC.

PHYSICAL DATA: Gray steel cabinet with brushed chrome trim. Size — 18 $\frac{3}{4}$ " wide, 8" high, 10 $\frac{1}{4}$ " deep. Shipping weight — approximately 32 lbs.

2400 mf.



SR-34

The SR-34 is designed for AM or CW operation and combines in a single compact unit all the functions of both receiver and transmitter. The built-in 3-way power supply allows excellent short range, fixed, portable, or mobile communications. The unit also permits instantaneous selection of desired voltages as well as "cross-banding" between the 2 and 6 meter bands.

FEATURES: Full CW/AM operation. 3-way built-in power supply. Receiver double conv. super het. with crystal controlled second osc. Receiver contains S meter, BFO, ANL and squelch. Voltage regulated osc. Transmitter Crystal controlled four quartz crystals may be switch selected. Fifth position for external V.F.O. Case is drip-proof for outside operation. Collapsible "whip" antenna.

FREQUENCY COVERAGE: 2 meters—143.5-148.2 mc. 6 meters—48.8-54.2 mc.

CONTROLS: Power on/off switch; function switch; meter switch; transmit/receive switch; squelch control; tuning control; volume control; BFO/on-off switch; ANL/on-off switch; AVC/on-off switch; BFO pitch control; band switch — receiver; RF gain; crystal/VFO switch; oscillator tuning; doubler tuning; tripler tuning; final tuning; band switch — transmitter; antenna loading.

EXTERNAL CONNECTIONS: Key jack; public address speaker terminals; relay terminals; microphone input.

TUBE COMPLEMENT: Receiver 10 tubes; Transmitter 3 tubes; Audio 3 tubes.

POWER OUTPUT: 6 to 7 $\frac{1}{2}$ watts — 2 meter; 7-10 watts — 6 meter.

POWER SOURCE: 6/12 volts DC, 2 power trans. and 4 silicon rect. 115 volts AC.

PHYSICAL DATA: Size: 8 $\frac{9}{16}$ " h, 14 $\frac{1}{8}$ " w, 13 $\frac{5}{8}$ " d. Shipping weight — approx. 34 lbs.

6250 mf.

The New Ideas in Communications are Born at Hallicrafters...

The SX-62A is unquestionably the most versatile receiver available for the individual desirous of listening to local broadcast, FM, or world-wide short-wave stations. Covering frequencies from 550 kc through 32 mc on amplitude modulated bands and from 27 mc to 109 mc on FM or AM bands, this unit in a single package makes available to the listener the largest number of commercial and broadcast stations of any receiver on the market today. In addition, a 10-watt push-pull audio circuit, flat from 50 to 15,000 cycles, permits the reception of musical programs comparable with present-day high fidelity amplifiers.

FEATURES: Ganged tuning assembly and dial drive mechanism, 8-section ball bearing tuning capacitor assembly. Inertia tuning control drives pointer over 13-inch slide rule dial. Each band individually illuminated when in operation.

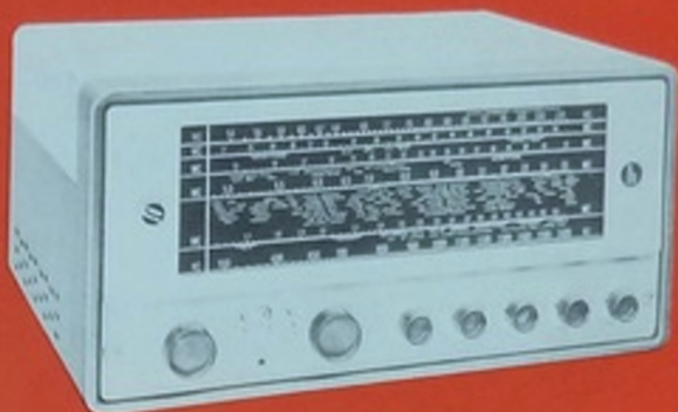
FREQUENCY COVERAGE: 6 bands — 1, 550-1620 kc; 2, 1.62-4.9 mc; 3, 4.9-15 mc; 4, 15-32 mc; 5, 27-56 mc; 6, 54-109 mc. Types of reception — Bands 1, 2, 3, 4 — AM/CW; Bands 5 and 6 — AM/FM/CW.

CONTROLS: Band selector, receive/standby, calibration oscillator on/off, noise limiter, tuning, RF gain, AF gain, phono/FM/AM/CW, 6-position selectivity, 4-position tone, calibration reset.

EXTERNAL CONNECTIONS: Audio output 3.2/8/500 ohm; phono jack on rear; phone jack on front panel.

POWER SOURCE: 105/125 volts, 50/60 cycles, AC.

PHYSICAL DATA: Cabinet — satin black steel with light gray front panel and chrome trim, piano hinge top. Size — 20" wide, 10½" high, 16" deep. Shipping weight — approximately 64 pounds.



SX-62A

5500 uf.

The SX-100 has proven itself over the past several years in use by commercial, Amateur, and military operators. The result of Hallicrafters' engineering experience gained in developing over a hundred different receivers designed for commercial and military use, the SX-100, without compromising, provides the most desired features in a general coverage receiver.

FEATURES: Temperature compensation of high frequency oscillator circuits; crystal controlled second conversion oscillators; gear driven main tuning and bandspread dials; selectable side band operation; tee-notch filter; 100 kc quartz crystal calibrator.

FREQUENCY COVERAGE: 4 bands — 538 kc through 34 mc. Bandspread calibrated for 80, 40, 20, 15, 10 meter bands.

CONTROLS: On-off/volume, main tuning, bandspread tuning, sensitivity, band selector, selectivity, pitch, response (upper lower sideband selector), notch frequency, notch depth, antenna trimmer. Switches: calibration, receive/standby, AVC, noise limiter, AM/CW/SSB.

EXTERNAL CONNECTIONS: 3.2/500 ohm speaker terminals, antenna terminal (for single or double wire), plus co-ax conn.; phono jack, remote control for DC operation socket, audio output terminals, phone jack.

TUBE COMPLEMENT: 12 tubes plus rectifier and voltage regulator.

POWER SOURCE: 105/125 volts, 50/60 cycle AC.

PHYSICAL DATA: Gray and black steel cabinet. Size — 18¾" wide, 8½" high, 10¾" deep. Shipping weight — approximately 43 lbs.



SX-100

4500 uf.

The New Ideas in Communications are Born at Hallicrafters...



SX-101A

The new SX-101A, the latest edition of the now famous SX-101, is now available, incorporating the latest in circuitry and setting new standards for dependability and ruggedness throughout the Amateur fraternity.

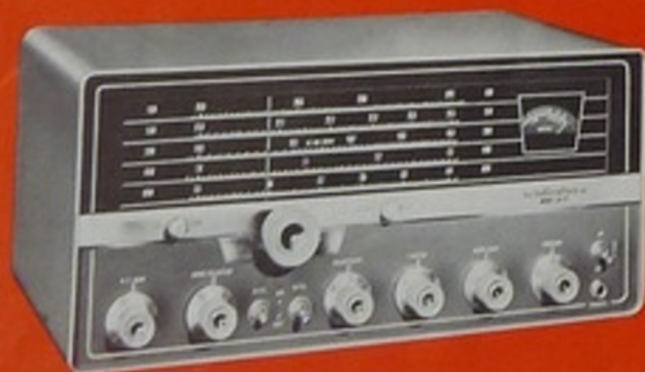
FEATURES: Complete coverage of five ham bands — 80, 40, 20, 15, 10 meters, plus converterband calibrated for 2 and 6 meters. Large slide rule dial. Band-in-use scales individually illuminated. Dual scale S-meter. Special 10 Mc position for WWV. Dual conversion. Upper-lower side band selection. Second conversion oscillators quartz crystal controlled. Tee-notch filter. Full gear drive from tuning knob to gang condensers — absolute reliability. 40:1 tuning knob ratio. Built-in precision 100 kc evacuated marker crystal. Five steps of selectivity from 500 cycles to 5000 cycles. Precision temperature compensation plus Hallicrafters' production heat cycling for lowest drift. Separate detectors for AM and SSB/CW reception. Series noise limiter for improved noise reduction. Sensitivity — one microvolt or less for 10 DB S/N ratio on all bands. 52 ohm antenna input.

CONTROLS: Main tuning knob with 0-100 logging dial. Pointer reset, antenna trimmer, tee-notch depth, R.F. gain, band selector, A.F. gain, selectivity, pitch (BFO), response — off-upper lower SSB/CW — upper lower AM; AVC on/off; AVC fast/slow; ANL on/off; Calibrator on/off; Receive/standby.

TUBES: 13 tubes plus voltage reg. and rect. — 6DC6, 6BY6, 12BY7A, 6BA6, 12AT7, 6BA6, 6DC6, 6BJ7, 6BY6, 6SC7, 6K6, 6BA6, 6AU6, 0A2 Reg., 5Y3 Rectifier.

PHYSICAL DATA: 20" wide, 10½" high, 16" deep. Panel size — 8¾" x 19". Shipping weight — approximately 74 lbs.

6000 mf.



SX-111

The new SX-111 all Amateur band receiver incorporating the outstanding features of the now famous SX-101 offers the Amateur a first class unit at a moderate price.

FEATURES: Complete coverage of five ham bands — 80, 40, 20, 15, 10 meters plus special band tuneable to 10 megacycles for crystal calibrator calibration for WWV. Sensitivity of one microvolt on all bands. Five steps of selectivity from 500 to 5,000 CPS. Selectable side bands operation. Tee-notch filter. Antenna trimmer. Plug-in 100 kc quartz crystal calibrator. Second conversion oscillator crystal controlled. Each band covers full dial width. "S" meter. Terminals for single wire 50 ohm coax-fed antenna. Phone jack on front panel 3.2/500 ohm speaker terminals. Receiver muting terminals on rear chassis.

CONTROLS: Main tuning, pointer reset, antenna trimmer, notch frequency, R.F. gain, band selector, A.F. gain, selectivity, BFO — on/off, AVC — on/off, Noise limiter — on/off, plus a function control including AC — on/off, standby, upper side band, lower side band, calibrate.

TUBES: Ten tubes plus voltage regulator and rectifier — 2-6DC6, 6BY6, 6C4, 6BA6, 12AT7, 6CB6, 6BJ7, 12AX7 and 6AQ5.

PHYSICAL DATA: 8½" high, 18½" wide, 11" deep. Shipping weight — approximately 40 lbs.

3950 mf.

The New Ideas in Communications are Born at Hallicrafters...

The SX-112 is an entirely new, heavy duty, high performance communications receiver designed for continuous service for communications covered in frequencies from 535 KC to 34 MC. Its new dial system provides individually illuminated scales for the band in use plus a separate bandspread scale. A receiver designed for commercial use but entirely suitable for Civil Defense, Mars, Amateurs or the advanced SWL.

FEATURES: Selectable sideband operation. "Tee-Notch" Filter. Separate product detector for SSB and CW. Antenna trimmer. Plug-in 100 KC and 1000 KC Quartz Crystal Calibrator. Full precision dial drive. Second conversion oscillator crystal controlled. Carrier level meter. SX-112 may be relay rack mounted.

FREQUENCY COVERAGE: 5 bands 535 KC-1580 KC, 1720-34 MC, 6 bands.

FRONT PANEL CONTROLS AND JACKS: RF Gain. Antenna Trimmer. Band Selector. Audio Gain. Main Tuning. Bandspread. Selectivity (.5 KC through 5 KC — 5 steps). Response. Notch Frequency. Toggle Switches: 100 KC-1000 KC, AVC. Automatic Noise Limiter. Dial Lights. Receive/Standby. Phone Jack.

REAR CHASSIS: 3.2/500 ohm speaker terminals. Antenna Terminal Board. Coax Antenna Connector. Socket for DC operation and remote control. Meter Adjustment.

TUBES: 13 tubes plus one voltage regulator plus 2 silicon rectifiers.

AUDIO POWER OUTPUT: 1.5 watts with 10% or less distortion.

POWER SOURCE: 105/125V, 50/60 cycle AC.

PHYSICAL DATA: Cabinet gray and black steel with chrome trim, 20" wide, 10½" high, 16" deep. Shipping Weight — approximately 74 lbs.

9000 mf.



SX-112

Now the new SX-115 receiver combining a new front end with band-pass couplers and a triple conversion heterodyne circuit designed for the Amateur wanting nothing but the maximum in performance.

FEATURES: Accurate frequency readout. Linear tuning. 1 KC calibration marks. Transmitter type VFO. Built-in 100 KC crystal calibrator. Sensitivity less than 1 microvolt. Spurious and image rejection better than 60 db. Selectable side bands. Selectivity variable in five steps from 500 to 5000 cycles. Amplified dual loop AVC. Fast attack/Slow release. Product detector for SSB/CW. IF type noise limiter for SSB/CW. Band gain equalization. Audio inverse feedback.

FREQUENCY COVERAGE: Accomplished in nine 500 KC segments:

3.5- 4.0 MC	21.0-21.5	29.0-29.5
7.0- 7.5	28.0-28.5	29.5-30.0
14.0-14.5	28.5-29.0	9.5-10 Mc for WWV/WWVH

CONTROLS: RF gain. AE gain. Tuning. Selectivity. Function selector. Cal. Set Lock. Receive/Standby Switch. Notch Freq. BFO Pitch. AVC/ANL. Antenna Trimmer. Band Switch. Calibrator on/off. Headphone Jack.

TUBES: 17 tubes, 1 voltage regulator, 5 silicon diodes.

REAR CHASSIS: Coax antenna connector. Audio output. 3-2—5000 ohms. Auxiliary socket. Line fuse. Ground lug.

POWER SOURCE: 105/125V, 50/60 cycles AC, 85 watts.

PHYSICAL DATA: 16" wide, 10½" high, 16" deep. Shipping weight — approximately 18½ lbs.

9000 mf.



SX-115

The New Ideas in Communications are Born at Hallicrafters...



HT-40 and HT-40K

NF 1550

Kit 1400

Hallicrafters new HT-40 Transmitter designed as a companion unit to the SX-140 makes the perfect unit for the overseas Amateur desiring maximum performance at minimum cost outlay as well as minimum operating costs.

FEATURES: Full 75-watts peak input. AM slightly less on 6 meters. Two modes of transmission: CW, AM. Distortion on amplitude modulation less than 8%. Hum and noise on the carrier down 35 db or more. Modern styling. TVI-Filtered. Crystal controlled with provision for use of external VFO. 52 ohm tunable pi network output for harmonic suppression. Dual range meter for accurate tuning and carrier level adjustment. Ideal CW keying. AM modulation built in. Matches SX-140 receiver for styling and band coverage. Accommodates Crystal or VFO input. New style meter: Permits reading RF output or grid current as desired.

FREQUENCY COVERAGE: Six band output (80-40-20-15-10 and 6 meters).

FRONT PANEL CONTROLS AND JACKS: Function, Band Selector, Drive, Crystal/VFO Pin Jacks, Key Jack, Plate Current/Grid Current, Plate Loading, Plate Tuning.

REAR CHASSIS: Coaxial Antenna Connector, Microphone Connector, Microphone Gain Control.

TUBES: 4 tubes plus 2 silicon rectifiers.

POWER SOURCE: 117V, 60 cycle AC, 175 watts.

PHYSICAL DATA: Gray Steel Cabinet, 13 3/8" wide, 6 5/8" high, 8 1/2" deep. Approximately 19 lbs.

450



SX-140 and SX-140K

NF 1750

The SX-140 meets the needs of the overseas Amateur with a limited amount of funds requiring an all-Amateur band unit. This high-performance, low-cost receiver is completely new in design both in styling and circuitry. It is available in two models: The SX-140 (factory-wired) or SX-140K (kit form). Matches HT-40 Transmitter in size and styling.

FEATURES: High sensitivity. Sharp selectivity. Crystal calibrator. Built-in "crystal oscillator circuit for IF alignment". 25-1 tuning ratio. Antenna Trimmer. "S" meter. Electrical Calibration Reset. Full length slide rule dial. Automatic noise limiter. Operates on CW, AM and SSB. In STANDBY position receiver switches transmitter and control antenna changeover relay.

FREQUENCY COVERAGE: 80-40-20-15-10 and 6 meter bands.

FRONT PANEL CONTROLS AND JACKS: Function, Phone Jack, Band Selector — 80-40-20-15-10 and 6 meters. Cal/Off switch, RF Gain, ANL/Off switch, Selectivity/BFO, Audio Gain, Antenna Trim, Cal. Reset, Main Tuning.

REAR CHASSIS: Speaker Terminals, Transmitter-Antenna Control Contacts, Antenna and Ground Connections. "S" meter zero set control.

TUBE COMPLEMENT: 5 tubes plus 2 silicon rectifiers.

POWER SOURCE: 105/125V, 50/60 cycle AC, 47 watts.

PHYSICAL DATA: Gray steel cabinet. Size: 13 3/8" wide, 6 5/8" high, 8 1/2" deep. Shipping Weight — approximately 14 lbs.

The New Ideas in Communications are Born at Hallicrafters...

The Hallicrafters new HT-32B combines the distinctive features of the HT-32A in a complete table top high-efficiency Amateur band transmitter providing SSB, AM or CW output on 80-40-20-15 and 10 meter bands. A new CTO is featured to permit frequency readout directly to within 1 KC.

FEATURES: New high frequency hermetically sealed crystal sideband filter — rejection 50 db or more. Beam Switching tube modulator, CTO direct reading in kilocycles, 144 watts plate input (P.E.P. two-tone). All modes of transmission — CW, AM, SSB. Unwanted sideband down 50 db or more. Distortion products down 30 db or more. Carrier suppression down 50 db or more. Keying circuit for RTTY. Both sidebands transmitted on AM. Precision gear driven CTO. Exclusive Hallicrafters patented sideband selection. Rugged heavy duty deluxe construction. 52 ohm pi network output for harmonic suppression. Logarithmic meter for precise tuning and carrier level adjustment. Ideal CW keying and break-in operation. Full voice control system built-in. Separate phone patch input. Built in push-to-talk.

FREQUENCY COVERAGE: 80-40-20-15 and 10 meter bands with all 4 segments of Ten built-in and pre-tuned. High stability, gear driven V.F.O.

FRONT PANEL CONTROLS AND JACKS: Operation, Audio Level, R.F. Level, Final Tuning, Function, Meter Compression, Calibration Level, Driver Tune, Band Selector, Microphone Connector, Key Jack, Headphone Monitor Jack.

REAR CHASSIS: Coax antenna connector, Line fuse, Control connector, AC power line cord, FSK jack, AC accessory outlet, Ground lug.

TUBES: 2-6146, 1-6CB6, 1-12BY7a, 4-6AH6, 1-6AB4, 2-12AX7, 2-12AT7, 1-6AL5, 1-12AU7, 1-7360, 1-6AU6, 1-5R4GY (HV Rectifier), 1-5VAG (LV Rectifier), 1-0A2 (Voltage Regulator).

POWER SOURCE: 105/125V, 50/60 cycles AC, 375 watts.

PHYSICAL DATA: 20" wide, 10½" high, 16" deep. Shipping weight — approximately 86 lbs.

10500 uf.



HT-32B

The HT-33B unquestionably provides more output to the antenna than any other Amateur linear amplifier on the market. Current day engineering combined with extra heavy duty components permits the HT-33B being conservatively rated at the maximum legal limit. Zero drive class AB₁ operation assures extended tube life and trouble-free operation. New dual meters provide simple, fast and precise tuning.

FEATURES: Maximum legal input. Third and fifth order distortion products down in excess of 30 db. Passive grid circuit, 50 to 75 ohms input. Built-in R.F. output meter to simplify tune up. Separate meter for cathode current. Complete coverage of 80 thru 10 meter Amateur bands. Pi-network for maximum harmonic suppression. Variable output loading. All important circuits metered. Circuit breaker assures protection of power supply. Perfect match to HT-32B in size, appearance and drive requirements.

FREQUENCY COVERAGE: 80-40-20-15 and 10 meters.

FRONT PANEL CONTROLS: Meter Switch, High Voltage Switch, Filament Switch, Bias Adjust, Band Selector, Plate Loading, Plate Tuning.

REAR CHASSIS: Coax input — 50-75 ohms, Coax output — 50-75 ohms, AC, Line cord, Filament, Bias and blower fuse, Screen grid fuse, Octal socket for bias cutoff relay control and AC control circuits, Grounding bolt and lug.

TUBES: 1-PL-172 high power pentode, 2-3B28 rectifiers, 6-0A2 screen regulators.

POWER SOURCE: 117V, 50/60 cycle AC, 2350 watts maximum.

PHYSICAL DATA: 20" wide, 10½" high, 17" deep. Shipping weight — approximately 121 lbs.

12500 uf.



HT-33B

The New Ideas in Communications are Born at Hallicrafters...



HT-37

The HT-37 is an entirely new transmitter combining the same production and engineering skills contained in the HT-32A but priced at a figure which the Amateur, heretofore unable to work side band, can now afford.

FEATURES: 144 watts plate input (P.E.P. two-tone). Five band output (80, 40, 20, 15, 10 meters). All modes of transmission — CW, AM, S.S.B. Carrier suppression down 50 db. Distortion products down 30 db. Both side bands transmitted on AM. Precision V.F.O. Full voice control system built in. Excellent CW keying.

CONTROLS: Operation — power off, standby, Mox, Cal, Vox. Audio level R.F. level. Final tuning 80, 40, 20, 15, 10 meters. Function — Upper side band, lower side band, DSB, CW. Carrier balance. Calibration level, meter range. Driver tuning. Band selector — 80, 40, 20, 15, 10 meters. High stability, V.F.O. Microphone connector. Key jack.

TUBES: 15 tubes plus voltage regulator and two rectifiers, 5-12AT7, 2-12AX7, 2-6AH6, 6CB6, 12BY7, 6AL5, 5R4GY, 5V4G, OA2 and 2-6146 power output amplifiers.

REAR CHASSIS: Co-ax antenna connector. Line fuse. Control connector. AC power line cord.

PHYSICAL DATA: 9" high, 19 1/4" wide, 15 1/2" deep. Shipping weight — approximately 82 lbs.

4.000 uf.



HA-2 and HA-6

Truly versatile the new Hallicrafters Transverters — HA-2 and HA-6 provide an entirely new concept to VHF operation with these units. All Amateurs owning 10-meter transmitters and receivers can operate on either 2 or 6 meters. Any exciter in the 10-meter range with 10-100 watt capability will drive the HA-2 or HA-6.

FEATURES: All modes of transmission and reception are usable based on your own 10-meter equipment. Nuvistor front end in the receiver section provides excellent sensitivity and noise figure. Built-in coaxial antenna relay. The 5894 tube used in the transmitter final amplifier can be driven to 120 watts PEP input. 200 milliamperes plate meter.

REAR CHASSIS: Receiver coax. output. Antenna coax. fitting. Transmitter coax. input hi. Transmitter coax. input low. Power & control socket. Bias adjust. Filament & relay fuse. Hi-voltage connector.

TUBES: 12 AT7, 6AH6, 6CW4, 6AN4, 12BY7, 6360 and 5894.

POWER REQUIRED: 750V at 160 MA, 250V at 70 MA, minus 60V at 10 MA.

PHYSICAL DATA: 17" wide, 8" high, 8 3/4" deep. Model P-26 POWER SUPPLY operating from 105/125V, 50/60 cycles AC can be furnished as an added unit.

The New Ideas in Communications are Born at Hallicrafters...

The HA-4 "T.O. Keyer" — The all-transistorized version of the successful HA-2 Keyer brings the "Stradivarius" of electronic keyers within the means of the most discriminating CW operator.

FEATURES: All-transistorized keyer. Digital techniques. Speed range 8-18 wpm, 18-50 wpm. Consistent ratio of dot-to-space-to-dash over entire speed range. Monitor or side tone emanates through loudspeaker mounted behind front panel grill.

FRONT PANEL CONTROLS: Function: 1) AC Off; 2) Automatic Keying; 3) Semi-automatic; 4) Hold. Speed: 8-18 wpm — 18-50 wpm. Volume Control.

REAR CHASSIS: Term. strip for key connection. Weight (dot duration). Switch for Hi and Lo speed range. Term. strip for transmitter connection.

TRANSISTORS: 8 transistors and 10 semi-conductor diodes.

PHYSICAL DATA: 7½" wide, 2½" high, 5¾" deep. Shipping weight — approximately 3½ lbs.



HA-4

Recommended for use with the HA-4 Keyer, this unit is manufactured by Vibroplex Co., Inc., makers of the well known Vibroplex Key.

FEATURES: Weighted base with finish matching HA-4 Keyer. Same large size contacts as furnished on deluxe Vibroplex. Same main frame and super finished parts as deluxe Vibroplex. Colorful red plastic finger and thumb control. Easy operating Vibroplex trunion lever. Fully adjustable to your own "fist".

PHYSICAL DATA: Base: 3½" x 4½". Shipping weight — approximately 3 lbs.



VIBRO-KEYER

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The R-47 speaker is a four-inch speaker for Hallicrafters or other receivers having 3.2 ohm output and is designed primarily for the reception of speech and CW, as its frequency response is flat over a range of 300 to 2850 cycles with a rapid drop in output above and below cut-off points. The R-47's voice coil has an impedance of 3.2 ohms.

PHYSICAL DATA: Gray and black metal cabinet. Size — 5½" wide, 5¼" high, 3½" deep. Shipping weight — approximately 2½ lbs.

The R-48 speaker incorporates the latest design in loudspeaker construction by the use of the new 5½" x 7½" elliptical assembly. The 3.16 oz. Alnico V Magnet produces a fully saturated air gap and results in exceptional damping and virtually eliminates voice coil overshoot, resulting in distortion-free reproduction. A fidelity switch, located at the rear of the cabinet permits the selection of full fidelity response for music reception or voice response for communications reception. For use with Hallicrafters' SX-101A, SX-100, SX-110, SX-62A, or other receivers having 3.2 ohm output impedance.

PHYSICAL DATA: Gray steel cabinet with silver trim. Size — 6¾" high, 13¼" wide, 8¼" deep. Shipping weight — approximately 10 lbs.

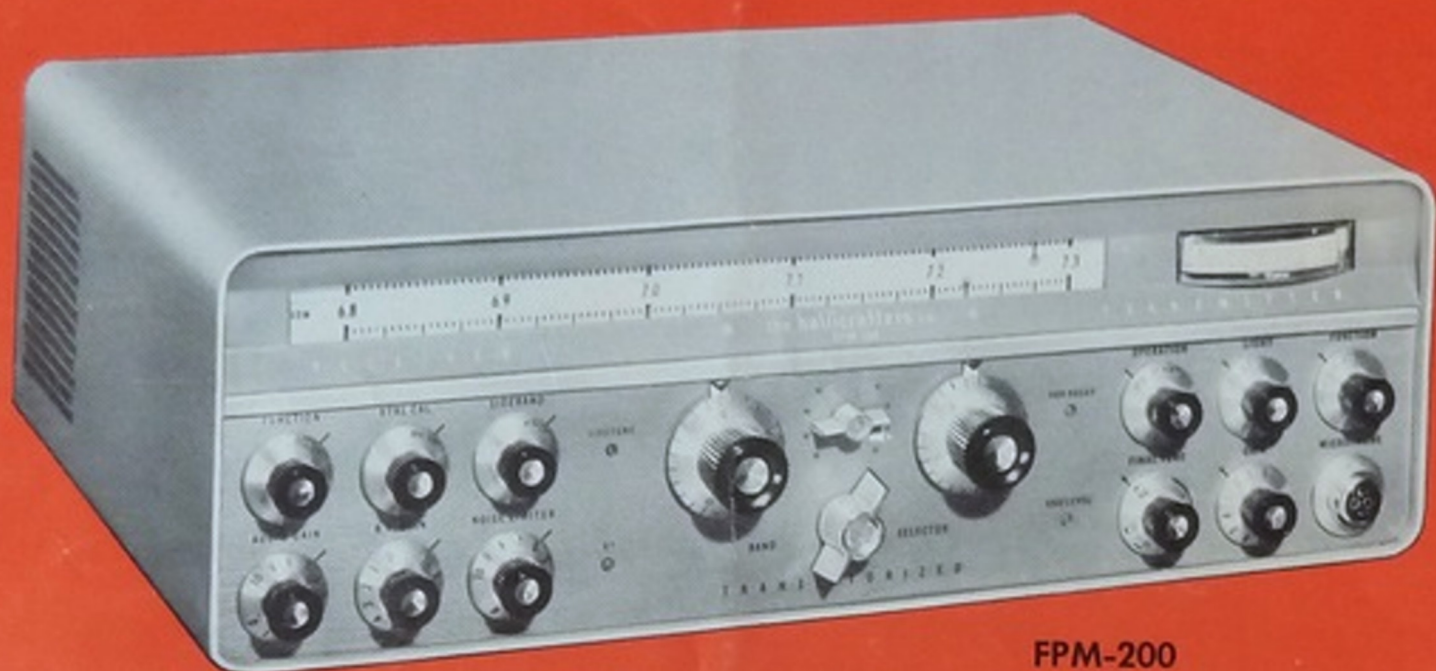


R-48

R-47

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The New Ideas in Communications are Born at Hallicrafters...



FPM-200

Unquestionably the new Hallicrafters FPM-200 is the ultimate answer to the highly discriminating Amateur who will accept nothing but the finest in a Transmitter-Receiver/Transceiver. Three years in the design and testing stage before production, the FPM-200 represents entirely new techniques in product engineering providing electronic circuitry heretofore unavailable to the Amateur in a completely concentrated package.

FEATURES: Complete coverage, from the low end of the CW portion to the top of the phone portion, of all Amateur bands, 80 through 10 meters. Self contained, transistorized 12 volt DC power supply. Linear dial calibration accurate to 1 KC. 150 watts PEP input on SSB. All modes of operation, USB-LSB-CW-AM. Performance proven Hallicrafters high frequency crystal filters to ensure maximum unwanted sideband suppression and outstanding receiver selectivity. Plug-in modular construction for simplified maintenance and greater reliability. Very low current drain from the car battery: Receive Only — 0.8 to 1.8 amps; Standby — 2.4 amps; SSB — no mod. — 10.5 amps; SSB — peak out — 18 amps; AM 100% mod. — 18 amps; CW maximum out — 23 amps. No need for alternators or heavy duty generators. Switch on front panel selects tracking or independent frequency control. Combined transmitter RF output level meter and "S" meter. Power supply and heat producing amplifier tubes mounted in air duct, from which heat is exhausted by a transistor powered fan. This compartment is thermally baffled from all other circuitry. Designed for fixed, portable or mobile operation. MR-200 mounting rack for mobile operation permitting FPM-200 to be plugged in or out with no external wiring and the P-200 power supply are supplied with the unit.

FREQUENCY COVERAGE: 80, 40, 20, 15 and 10 meter bands.

FRONT PANEL CONTROLS: Function, Xtal Calib., Sideband, Audio Gain, RF Gain, Noise Limiter, Sidetone (screw driver adj.), QT (screw driver adj.), VFO Tuning (two separate controls for each VFO), VFO Selector, Band Selector, Vox Delay (screw driver adj.), Vox Level (screw driver adj.), Operation, Light, Function, Final Tune, Gain and Microphone Jack.

REAR CHASSIS: Integral multi-pin male plug.

TRANSISTORS: 39 transistors, 3 vacuum tubes, 2 gas regulator tubes.

POWER SOURCE: 12V DC.

AUXILIARY EQUIPMENT: P-200 Power Supply, 115V, 50/60 cycles AC to 12V DC.

PHYSICAL DATA:

FPM-200: 16" wide, 11" deep. Shipping weight — approximately 26 lbs.

MR-200: 16½" wide, 5¾" high, 2½" deep. Shipping weight — approximately 7 lbs.

P-200: 7" wide, 5" high, 11" deep. Shipping weight — approximately 29 lbs.

For complete specifications, write to Department TBH.

RAYTHEON

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