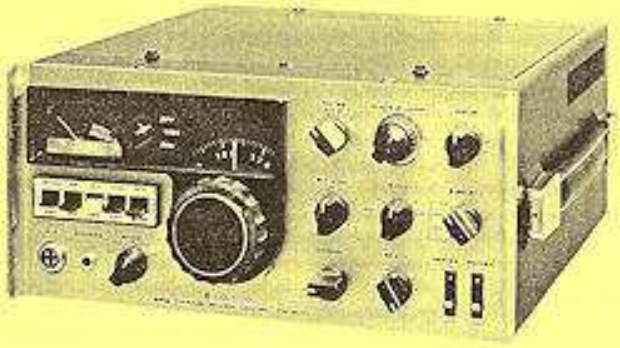
KENWOOD

The new Pacesetter of amateur radio



TS-900

NOW THE PROMISE OF THE TRANSISTOR HAS BEEN FULFILLED. HERE IS THE TRANSCEIVER YOU WILL WANT TO OWN AND CAN AFFORD. FOR YEARS AMATEURS HAVE WAITED FOR THE NEW GENERATION GENERAL PURPOSE SSB TRANSCEIVER. NOW THE WAIT IS OVER.

Kenwood proudly presents its solid state TS-900 general purpose amateur transceiver. Only rarely does a new equipment design of such special interest present itself to the amateur world.

Never before has there been an amateur transceiver like the Kenwood TS-900. The promise of the transistor has been fulfilled. Here is a transceiver reflecting Kenwood's consistent attention to careful craftsmanship, fine engineering, contemporary styling, and most of all, value. Never before has such a bonanza of performance features and versatility been available in one transceiver.

The TS-900 is a powerful five band transceiver for operation on SSB, CW, or RTTY. Prominent among its many features are: ☐ Break-in CW with sidetone ☐ Built-in 100 KHz and 25 KHz crystal oscillator ☐ Built-in RIT and RIT indicator light ☐ Built-in RTTY frequency shift for FSK ☐ Built-in noise blanker ☐ Built-in VOX ☐ Modular construction – repair in or out of equipment ☐ RF AGC to prevent front end overload to strong signals ☐ Matched crystal filters ☐ Completely solid state except final section ☐ Heater switch is ideal for mobile operation ☐ 1 KHz readout ☐ Phone patch output and input jacks ☐ Provisions for optional CW filter ☐ Modern space age design ☐ Selectable AGC speed ☐ TUNE position increases tube life ☐ 12 VDC, 120 VAC or 240 VAC operation with accessory heavy duty power supplies ☐ Amplified ALC ☐ Full metering ☐ Maximum TVI protection ☐ Unbelievable VFO versatility.

The TS-900 is shown between the Kenwood PS-900, a heavy duty AC power supply with built-in speaker, and the Kenwood VFO-900 remote VFO.

A SUPERB SOLID-STATE SSB TRANSCEIVER

from

Henry Radio

KENWOOD TS-900

GENERAL

SPECIFICATIONS

FREQUENCY RANGE	80 meter band — 3.5 to 4.0 MHz 40 meter band — 7.0 to 7.5 MHz 20 meter band — 14.0 to 14.5 MHz 15 meter band — 21.0 to 21.5 MHz 10 meter band — 28.0 to 28.5 MHz 28.5 to 29.0 MHz 29.0 to 29.5 MHz 29.5 to 30.0 MHz WWV — 15.0 MHz (Receive Only)
MODE	SSB, CW, or FSK.
POWER REQUIREMENTS	120/240 VAC, 50/60 Hz (with PS-900) 12 VDC (with DS-900) Receive: Less than 40 watts (with heaters off) Transmit: Less than 810 watts (at 14.175 MHz in the CW mode).
PLATE POWER INPUT	More than 300 watts PEP on SSB, more than 200 watts DC on CW, and more than 200 watts on FSK.
POWER OUTPUT	150 watts PEP nominal into 50 ohms for SSB, 100 watts nominal into 50 ohms for CW, 50 watts nominal into 50 ohms for FSK.
AUDIO INPUT	High impedance microphone or phone patch.
AUDIO OUTPUT IMPEDANCE	8 ohms or 600 ohms.
AUDIO OUTPUT	More than one watt (with less than 10% distortion) into an 8 ohm load.
RF INPUT IMPEDANCE	50 ohms.
RF OUTPUT IMPEDANCE	50 ohms with SWR less than 2:1.
PHONE PATCH IMPEDANCE	600 ohms receive output to phone patch and high impedance input to the transmitter.
FREQUENCY STABILITY	Within 100 Hz during any 15 minute period after warmup. Within ±2 KHz during the first hour after 1 minute of warmup.
CALIBRATION ACCURACY	within 2 KHz across the frequency range after calibration at zero.
BACKLASH	Not more than 400 Hz when the dial is advanced from zero to 500 and returned to zero.
KEYING	Break-in CW with sidetone provided.
AUDIO FREQ. RESPONSE	400 to 2500 Hz, ± 6 db.
CARRIER SUPRESSION	Carrier better than 45 db down from output signal.
SIDEBAND SUPRESSION	Unwanted sideband better than 40 db down from the output signal.
HARMONIC RADIATION	better than 40 db down from output signal.
IMAGE RATIO	Image frequency better than 50 db down from the output signal.
IF REJECTION	First IF frequency 45 db or more down from output signal.
RECEIVER SENSITIVITY	0.5 microvolts for a 10 db (signal + noise)/noise ratio.
RECEIVER SELECTIVITY	SSB and FSK — 2.7 KHz bandwidth (-6 db down) 4.4 KHz bandwidth (-60 db down) CW — 0.5 KHz bandwidth (-6 db down) 1.5 KHz bandwidth (-60 db down) (with optional Cw filter installed)
CALIBRATOR	Built-in 100 KHz and 25 KHz crystal oscillator.
RIT	The receiver incremental tuning control can vary the receive frequency ±2 KHz or more.
RTTY	The TS-900 has a built-in frequency shift circuit for FSK operation. The frequency shift is factory set at 850 Hz but is adjustable.
NOISE BLANKER	The built-in noise blanker is designed to reduce impulse type ignition noise.
METERING	ALC (Automatic Load Control), IP (Plate Current), RF (Relative Power Output), HV (High Voltage), and S-meter.
VOX	The TS-900 has a built-in VOX circuit with adjustable VOX gain, sensitivity, and delay.
MODULAR CONSTRUCTION	All major electronic circuits are built on modular (plug-in) circuit boards.
TUBE AND SEMICONDUCTOR COMPLEMENT	3 tubes (6LQ6 x 2, and 6GK6), 3 IC's, 16 FET's, 57 transistors, and 76 diodes.
DIMENSIONS	12.6" wide x 5.5" high x 12.6" deep.
WEIGHT	26.5 pounds (32.5 pounds shipping weight).

TS-900 Transceiver	$795.00
PS-900 AC Supply	120.00
DS-900 DC Supply	140.00
VFO-900 Remote VFO	195.00
Accessory CW Filter	45.00
Mobile Mounting Bracket	TBA

THE KENWOOD R-599 RECEIVER . . . 1.8 to 29.7 MHz (Amateur Bands) • Dial readout to ½ KHz • Special detectors for SSB, AM, and FM • Transceive operation with T-599 • Built-in 100 KHz and 25 KHz calibrators • Built-in 500 cycle CW filter • Provision for 2 meter and 6 meter coverage with accessory self-contained converters • Adjustable threshold squelch • 120/240 VAC or 12 VDC operation • All solid state • .5 uv sensitivity.

THE KENWOOD T-599 TRANSMITTER . . . Clear, stable, selectable sideband, AM and CW • 4-way VFO flexibility plus RIT when used with the R-599 • Amplified ALC • Built-in VOX • Full metering • Built-in CW sidetone monitor and semi-automatic break-in CW • Built-in power supply for 120/240 VAC operation • Maximum TVI protection • Easy calibration • Only 3 vacuum tubes • Dial readout to ½ KHz • 200 watts PEP input nominal • Full amateur band coverage (3.5 to 30 MHz).

THE KENWOOD TS-511S TRANSCEIVER . . .

The TS-511S is a powerful five band transceiver (3.5 to 30 MHz, amateur bands) for operation on SSB and CW • Built-in VOX • Built-in crystal calibrator • Built-in noise blanker • Receiver Incremental Tuning (RIT) • 1 KHz frequency readout • Eight pole filter • Exceptional stability achieved through the use of an FET heterodyne VFO • Provisions for installation of an accessory high selectivity CW filter • 500 watts PEP input for SSB • Remote VFO available for cross channel operation • .5 uv sensitivity nominal • Full metering – Cathode current (IP), plate voltage (HV), ALC, and relative power output (RF) as well as an S-meter • Amplified ALC • Heavy duty 120/240 VAC external power supply • Maximum TVI protection.

TS-511S – $435.00 PS-511S – $105.00 VFO-55S – $105.00 CW-1 – $39.00

All prices subject to change without notice.

Henry Radio

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