

The New SUPER DEFIANT SX-25



AMATEURS from coast to coast acclaim this new, de luxe model, amateur receiver as the finest ever developed at anywhere near this price. It offers even better performance than that of the famed SX-17. Its general circuit is based on the proved efficiency of America's best selling receiver, the Skyrider DEFIANT.

Among its outstanding advantages are *extreme selectivity* and *more and better audio*. The design of the crystal filter makes possible critical CW operation under trying conditions of interference, and, in addition, the sensitivity of the receiver is raised from 2.8 to 4 times in the "CW Xtal" position when the receiver is tuned to the exact resonant frequency of the crystal itself; this means more *usable* sensitivity.

Both IF stages are expanded in the "Broad IF" position for high fidelity performance. An effective AVC or automatic volume control circuit keeps most signals at uniform audibility. The automatic noise limiter reduces interference by as much as 70%. The extremely low noise level of the SUPER DEFIANT makes it sensitive to very weak signals.

Every part is placed for best performance without regard for symmetry or beauty. Being self-contained there are no external units except the speaker. Tuning is effortless. Controls are conveniently located.

The SUPER DEFIANT (Model SX-25)—Complete with Speaker, Crystal and **\$99.50** Tubes. Shipping weight 52 lbs.....
Extra for Univ. 110-250 volts, 25-60 cycles.....\$5.00

FEATURES

2 Stages of Preselection.

Twelve tubes:

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|------|---|--------|-----------------------------|
| 6SK7 | —1st RF Amplifier. | 6SQ7 | —Phase Inverter. |
| 6SK7 | —2nd RF Amplifier. | PP-6F6 | —2nd audio output stage. |
| 6K8 | —1st Detector-Mixer HF Oscillator. | 6H6 | —Automatic Noise Limiter. |
| 6SK7 | —1st IF Amplifier. | 6J5GT | —Beat Frequency Oscillator. |
| 6SK7 | —2nd IF Amplifier. | 80 | —Rectifier. |
| 6SQ7 | —2nd Detector, AVC, 1st stage of audio. | | |

Overall Range 540 kc. to 42 mc. in four bands:

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| 1—540 kc.-1700 kc. | 3—5.0 mc.-15.5 mc. |
| 2—1.7 mc.-5.1 mc. | 4—15.1 mc.-42 mc. |

Separate calibrated handsread dial for the 10, 20, 40 and 80 meter bands provides frequency meter tuning. Oscillator compensation for frequency stability.

Automatic noise limiter.

Six-step variable selectivity covering wide range from high fidelity to extreme CW crystal.

S meter calibrated in "S" and "DB" units.

Push-pull output stage furnishes 8 watts of audio.

Front panel controls: RF Gain, Selectivity Switch, Crystal Phasing, Audio Gain, Pitch Control, Main Tuning Control, Bandsread Tuning Control, ANI Switch, Hi-Lo Tone, Send-Receive Switch and BFO Switch.

External provision for: Send-Receive Terminals, Headphones, 5000 or 500 ohm output, Single Wire or Doublet Antenna.

Laboratory checked, piezo quartz crystal filter included as standard equipment.

Ten-inch heavy duty PM dynamic speaker in matching metal cabinet included as standard equipment.

Dimensions of receiver cabinet only: 19½" long, 9½" high, 11½" deep.

110 volt 50-60 cycle AC operation, DC operation socket provided for battery or vibrapack.