

JST-135HP HIGH PERFORMANCE HF TRANSCEIVER

JRC's special High Performance HF transceiver package. All the advanced features found on the standard JST-135 combined with its best accessories—for a single low price. Suggested US list price **\$3345.00**

HIGH PERFORMANCE FEATURES

- **BANDWIDTH CONTROL (BWC)** - Utilizes two Direct Digital Synthesizers to narrow the bandwidth of any selected IF filter in 10 Hz steps.
- **NOTCH FOLLOW FILTER** - Keeps frequency of notch locked onto offending heterodyne interference, requiring no re-tuning if VFO is adjusted.
- **AM ECSS** - Phase lock detection enhances reception of AM signals, and allows selection of upper or lower sideband without critical zero-beat tuning.
- **HIGH STABILITY CRYSTAL OSCILLATOR** - Superb frequency stability within ± 0.5 ppm (at -20°C to $+50^{\circ}\text{C}$).
- **EXTERNAL POWER SUPPLY** - Matching unit provides +13.8VDC @30A.
- **DELUXE HAND MICROPHONE** - 600 Ω nominal impedance, up/down buttons.

STANDARD JST-135 FEATURES

- **PASSBAND SHIFT** - Adjusts center frequency of filter passband to reject unwanted interfering signals.
- **VARIABLE RF TUNING** - Microprocessor controlled preselection of receiver front-end. Also activated in transmission to eliminate spurious radiation.
- **ONE-CHIP DDS IC** - PLL circuitry based on JRC's own single-IC Direct Digital Synthesizer. DDS enhances T/R switching times and ensures high C/N.
- **LOW-DISTORTION POWER AMP** - A class-A driver stage with same transistor as final stage, plus a large combiner-transformer reduces third- or higher-order intermodulation distortion (IMD). Three stages of Chebyshev type low-pass filtering suppresses harmonics.
- **ALL-MODE GENERAL COVERAGE RECEIVER** - Continuous frequency coverage from 100 kHz to 30 MHz. Receive and transmit operation in USB, LSB, AM, CW, AFSK and FM modes (transmission possible only on authorized amateur bands).