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Second Hand Icom IC-7600 Base Transceiver £1499.00

DESCRIPTION

Second Hand Icom IC-7600 Base Transceiver With ATU And Band Scope, The Second Hand IC-7600, HF/50MHz transceiver is enhanced with some of the main features tried and tested on the Icom flagship IC-7700/7800 models, highly regarded by ham operators world-wide. Add over 45 years of analogue RF circuit expertise and the result is the IC-7600, arig with outstanding performance and a multitude of innovative features including a newly employed double conversion superheterodyne system and dual DSP units and 3kHz IF (roofing) filter. To celebrate the launch of the IC-7600 HF+50MHz Transceiver, The IC-7600 enables users to send RTTY/PSK31 messages directly entered by a connected USB keyboard. This promotion will emphasise this capability and encourage CW/phone enthusiasts to try this method. Dual DSP for transmit/receive and spectrum scope The IC-7600 is powered by two 32-bit floating point DSP units for Transmit/Receive and spectrum scope. The DSP units provide high performance comparable to Icom's top-of-the-line transceivers IC-7800 and IC-7700. The IC-7600 achieves similar performance for high speed digital signal processing combined with Icom's analogue RF technologies. 104dB dynamic range and +30dBm third order intercept point (IP3) Icom's long years of analogue RF circuit experience combined with the latest digital technology results in an astonishing 104dB receiver dynamic range and +30dBm IP3 in the HF bands without sacrificing to the receiver sensitivity. Even a weak signal adjacent to strong signals is received by the IC-7600. Double conversion superheterodyne dramatically improves inband IMD The IC-7600 employs a double conversion superheterodyne system, which has an image rejection mixer for the 2nd mixer stage. When compared to the triple conversion system, the double conversion system is technically difficult to achieve a stable mixer operation but it dramatically reduces signal distortion through IF processing and provides a high-fidelity signal to the DSP unit. As a result, the IC-7600 provides a clearer, more distinct signal. The AGC loop management controlled by the DSP unit The IC-7600 detects the AGC voltage from the signal which has passed the digital IF filter. That means the IC-7600 prevents the AGC blocking from a nearby strong signal to bring out the full potential of the digital IF filter. The digital IF filter and manual notch filter are also processed in the AGC loop. Three 1st IF filters, including 3kHz bandwidth

The IC-7600 has three 1st IF filters (roofing filters) in front of the 1st IF amplifier stage. You can select an appropriate filter width from 3kHz, 6kHz and 15kHz filter depending on operating mode. (15kHz fixed for FM mode). The 3kHz 1st IF filter protects the subsequent stage from the influence of nearby strong stations.