



RADIOWORLD

Check www.RadioWorld.co.uk For Latest Prices

263 Walsall Road, Great Wyrley, Walsall, WS6 6DL

Established 1997. Open Monday - Friday 9am - 5pm and Saturday 9.30am - 4pm

Tel: **01922 414 796** Fax: **01922 417829** Skype: **radioworld_uk**



Second Hand TENTE 565 Orion HF Transceiver £1199.00

DESCRIPTION

The Ten-Tec ORION represents an entirely new concept in high performance HF transceivers. Our goal with this groundbreaking design is to deliver the finest performance level to date from a ham transceiver. The heart of the ORION design is a pair of 32-bit floating-point ADI SHARC DSP processors. Using dual 32-bit devices provides much more processing "horsepower" than a transceiver using a single 32-bit DSP processor can provide. The result? Absolutely unparalleled HF receiver performance, filtering, and flexibility. Full dual receive capability. A ham-bands-only main receiver, (10 through 160 meters) utilizes both crystal and IF-DSP filtering. The sub receiver is IF-DSP and is general coverage from 100 kHz to 30 MHz. Both receivers can be used simultaneously on any frequency, with no compromise in performance. The two receivers can share a single antenna or each can be fed to a separate antenna. Receiver controls are available on both receivers. Bandwidth, AGC, PBT, Hi-Lo Cut, AF and RF Gain, attenuator, DSP NR and notch filtering are all selectable independently on each receiver. Very high RX intercept points, superior dynamic range and an extremely low phase-noise synthesizer make ORION's main receiver performance unmatched by any other HF transceiver. 590 receive IF-DSP bandwidth filters independently selectable on each of the main and sub receivers (100 Hz - 6000 Hz in 10 Hz steps). The main receiver also accommodates up to six crystal filters in the first I-F stage. Three of the six filters at 6.0, 2.4, and 1 kHz are standard. Optional filters for 1.8 kHz, 500 Hz, and 250 Hz can be added. These filters can be cascaded with any of the 590 selectable IF-DSP filters. The sub receiver has its own set of 590 filters that are selectable independent of the main receiver filtering. Rather than being limited to a single wide roofing filter at 15 or 20 kHz (compromising close-in receiver performance), ORION's selectable crystal filters narrow the roofing bandwidth to as little as 250 Hz to avoid any compromise of close-in receiver performance caused by loud nearby signals. No other transceiver, regardless of filtering system, does this.

Optional filters and accessories

Model 217 500 Hz, 8 pole CW filter (9MHz) Model 218 1.8 kHz, 8 pole SSB filter (9MHz) Model 219 250 Hz, 6 pole CW filter (9MHz) Model 302R Remote encoder/ keypad Model 307B External speaker Model 310 Cooling fan Model 701 Hand mic, electret condenser with coiled cord and 4-pin connector Model 706 Desk mic, electret condenser with coiled cord and 4-pin connector Model 963PS Switching power supply for Ten-Tec HF transceivers. 115/230 VAC input, 25 amps continuous duty at 13.8 VDC output. Screw down terminals on rear for attachment of transceiver power cable. Size: HWD 3.75"x7"x9.25". Weight, 4 pounds. Model 9624 STUDIO ONE, Heil/TenTec top of the line studio style transceiver microphone. Unmatched audio quality Model 9625 CC1 cable for Heil Studio-One microphone, TenTec 4 pin Model 9626 TB1 table stand for Heil Studio-One microphone