

**Through-Waters Comms Surface Station**

**Specifications:**

Length: 356mm  
 Width: 270mm  
 Height: 165mm  
 Weight: 5.67kg (with batteries)  
 Housing: U/K 603  
 Nominal Range:  
 Calm seas: Greater than 1500m  
 Sea state 6: 200m  
 Frequency Range:  
 30kHz - 35kHz  
 Audio Bandwidth:  
 300Hz - 3500Hz  
 Automatic Gain Control:  
 120 dB dynamic range (AGC)  
 Acoustic Output Power:  
 5 Watts (nominal)

Microphone / Speaker:  
 Hand-Held, dynamic, 200ohm.  
 Heavy- Duty front panel speaker with On/Off control  
 Transducer:  
 Piezoelectric type, 1.27m cable  
 External Power:  
 12V, DC at minimum of 4 amps  
 Battery Type and Life:  
 2 x 6V lantern batteries (Heavy-Duty with springs), 20 hours continuous use (10% duty cycle)  
 Squelch:  
 User-adjustable from front panel  
 Receiver Sensitivity:  
 Greater than 100 dBv  
 Channels:  
 1 = 32.768kHz upper  
 2 = 32.768kHz lower  
 3 = 31.250kHz upper  
 4 = 31.250kHz lower



**Order Detail:**

Through-Waters Comms, Surface Station - 4 Channel	D-C-472
Through-Waters Comms, Surface Station Rack Mount - 4 Channel	D-C-473

**Through-Waters Comms Bell Station**

**Description:**

This compact, hi-power, 70 watt, self-contained, through-water back-up system is commonly used in diving bells and/or submersibles. This unit combines with Surface Station:  
 OTS STX-101SB  
 MAG-1001S

Transmission:  
 25 kHz upper sideband (optional 8.0875 kHz upper sideband available)  
 Output Power: 70 Watts  
 Automatic Gain:  
 100 dB dynamic range  
 Operating Depth:  
 Standard up to 1,600 FSW  
 Optional all depth transducer, over 1,600 FSW  
 Supply Voltage:  
 24 VDC at 10 amps  
 Housing Dims:  
 Height: 119mm  
 Width: 259mm  
 Depth: 90mm  
 Weight: 7.4 lbs (2.04 kg)



**Specifications:**

Range:  
 Calm seas:  
 Up to 2 miles lateral range with 25 kHz transducer  
 7 miles range with optional 8.0875 kHz transducer

**Order Detail:**

OTS Bell-200 -Through-Waters Comms Bell Station	D-C-474
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