



# Cervis Product Specifications Datasheet

## HHMS-9XW08 Handheld Remotes



Cervis **HHMS-9XW08** transmitters use DSSS wireless technology at 900MHz to produce a robust, seamless link with Warrior receiver unit(s) in congested radio environments. Transmitters feature eight pushbuttons rated at 2.3 lbf (10.23 N) to activate and rated for more than two million operations. Pushbuttons are available in three different configurations:

- **2-Step:** Dual redundant button where the first and second steps are redundant.
- **3-Step:** Features a redundant first step and distinctive second and third steps.
- **ANY-STEP:** Offers a “rumble” of seven steps for analog output and applications greater than three steps.



Auto-shutdown is also available through a built-in inactivity timer.

- 900MHz Direct Sequence Spread Spectrum (DSSS) Technology
- Eight Pushbuttons: 2-Step, 3-Step, or Proprietary ANY-STEP
- Eight LED Indicators
- Graphic Organic Light-Emitting Diode (OLED) Display
- Rechargeable Lithium-Polymer (LiPO) Battery with up to an 80-Hour Run Time
- Rugged High-Impact Polymer Enclosure
- GORE-TEX vented to prevent internal moisture build up when used in moist environments
- Umbilical (tether) back-up option for tethering to machine when necessary

### POWER

**Vin:** Lithium Polymer Battery Pack  
**Battery Life:** 80-hour continuous operation until low battery indication  
**Auto Shutdown:** 5-hour run-time after low battery indication 5-hour charge to full from zero charge

### RADIO

**Frequency:** 906–924 MHz  
**RF Power:** 100mW@900 MHz  
**License:** License-Free  
**Modulation:** DSSS  
**Antenna:** Internal

### ENVIRONMENT

**Operating Temperature:** -20°C to 60°C (-4°F to 140°F)  
**Storage Temperature:** -30°C to 70°C (-22°F to 158°F)  
**Humidity:** 0 to 95% non-condensing

### CONTROLS

**Pushbuttons:** Eight 2-, 3-, or ANY-STEP  
**Force to Operate:** 2.3 lbf (10.23 N)  
**Actuations:** >Two Million (per button)

### INDICATOR LEDs (all red)

<b>TX</b> Transmit	<b>B</b> B Selection	<b>3:</b> Auxiliary 3
<b>Batt</b> Battery Status	<b>1:</b> Auxiliary 1	<b>4:</b> Auxiliary 4
<b>A</b> A Selection	<b>2:</b> Auxiliary 2	

### ENCLOSURE

**Dimensions:** Millimeters: 76.2 x 220.98 x 42.67  
 Inches: 3.0 x 8.7 x 1.68  
**Total Weight:** 650g/1.43lb. (with lanyard)  
**Durability:** High Impact Polymer Case  
 Impact-Absorbing Rubber Bumper with shoulder strap (optional)



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