



Cervis Product Specifications Datasheet

NEW! Console Box with Rechargeable Battery



The NEW Cervis **Console Box (CB)**—with its proprietary rechargeable **Nickel Metal Hydride (NiMH) battery**—brings a higher level of reliability and efficiency to your industrial operations. Inspired by customer demand, these improvements deliver cost savings and operational stability while reducing waste and downtime. The specially designed quick-change battery can be replaced in seconds and is housed in a spring-loaded compartment, securing it

in place and maintaining electrical contact through bumps and drops, keeping your operation running smoothly.

Traditionally powered by “C” batteries that are both costly to replace and difficult to dispose of, the addition of the NiMH rechargeable battery cuts costs by eliminating the need for large amounts of single-use alkaline batteries while providing a more environmentally friendly power option. With a battery life of over 24 hours at 100% duty cycle, it’s more than capable of reliably powering your equipment, and the included charger is compact and just as rugged as the console box.



The Cervis Console Box communicates with and controls Cervis receivers using either 900 MHz (906–924 MHz) or 2.4 GHz frequency ranges. Line-of-sight Channel-Hopping Direct Sequence Spread Spectrum (DSSS) technology allows either broadcast frequency a generous control distance in congested radio environments. The Cervis Console Box offers a variety of lever, joystick, and switch options that are factory configured upon ordering.

- Powered by 3.6V Nickel Metal Hydride (NiMH) battery
- 900 MHz or 2.4GHz Operation
- Up to Three Dual-Axis Joysticks for Proportional Control or Up to Seven Single-Axis Levers
- Push/Pull Machine Stop
- Up to Eleven Toggle or Button Controls
- Four Diagnostic and Four Configurable LEDs
- Optional Eight Character LED Display
- Belt Loops to Securely Attach to Belt or Harness
- Durable High Impact Glass-filled Nylon Case with Aluminum Faceplate, Stainless Steel Hardware, and water-resistant components
- Optional Umbilical Connection Available

POWER

V_{in}: +1.6 to +3.6 VDC
Battery: 3.6V NiMH Rechargeable Battery
Capacity: 2000mAh
Battery Life: ~26 hours @ 100% Duty Cycle
Battery Charge Time: ~7.5 Hours
Low Voltage Shutdown: ~1.6V
Inactivity Shutdown: 4 Minutes Standard (Programmable)

RADIO

Frequency: 906–924 MHz; 2405–2480 MHz
Radio Power: 10mW@900 MHz; 100mW@2.4 GHz
License: License-Free
Modulation: Channel Hopping DSSS
Antenna: Internal

ENVIRONMENT

Operating Temperature: -20°C to 55°C (-4°F to 131°F)
Storage Temperature: -20°C to 85°C (-4°F to 185°F)
Humidity: 0 to 100%

CONTROLS

Joysticks: Up to three dual-axis
Levers: Up to seven single-axis
Toggles: Up to 11 two- or three- position momentary or maintained
Options: Pushbuttons, Potentiometers, Rotary Switches
Stop: Pull-up/Push-down
Umbilical: Optional tether cable backup

INDICATOR LEDs

- **Solid**: Transmitting; switch active
- **Flashing**: Transmitting; no switch active
- **Solid**: Receiving; output of interest active
- **Flashing**: Receiving; no output of interest active
- **Flashing**: Error
- **Flashing**: Low Battery
- **Solid**: A Function
- **Solid**: B Function

ENCLOSURE

Dimensions: Millimeters: 260.35 x 142.748 x 139.7
Inches: 10.25 x 5.62 x 5.50
Total Weight: 1.81kg/4.0 lbs.
Durability: High Impact Glass-filled Nylon Case
 Aluminum or Acrylic Faceplate
 Stainless Steel Hardware



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