

LongRT Console Box Remote (LCB)

Features

- ✓ Two 9-Position Mechanical Levers for Independent Brake and Throttle Control
- ✓ Long-Range 450MHz to 470MHz Operation
- ✓ 8-Character Daylight Readable Display
- ✓ Extended Runtime with Rechargeable Battery
- ✓ Push/Pull Machine Stop ✓ Programmable Tilt Detection
- ✓ Eight System Status LEDs ✓ Audible Alarm
- ✓ Programmable Operator Vigilance ✓ Auto-Bail Feature
- ✓ Operational Harness or Belt Attachments



The LongRT Console Box (LCB) is the latest hand held command and control remote from Cervis, Inc. The LCB provides a robust control interface for the LongRT Base Unit (LBU). The rugged, low power unit reduces down time and operator frustration. Operating at 450MHz to 470MHz, the extended range of the controller affords a comfortable safety margin for the operator while allowing assured control of the system. Programmable features, such as Operator Vigilance and Tilt Detection, allow for safe application/site specific control, while customizable application-specific display readouts enhance operator system awareness. The bright 8-character LED display is easily read during both daylight and night operations, and the eight bright status LEDs provide a constant dynamic readout of current control conditions.

Specifications

Power

Operating Voltage	1.5 to 5.0VDC @ 0.25W (average)
Power Source	Rechargeable Cervis Li-Ion Pack or Two C Alkaline Batteries
Typical Runtime	80hrs.(Li-Ion Pack)

Environment

Operating Temp	-40 to +85°C
Storage Temp	-40 to +85°C
Humidity	0 to 100%

Radio

Frequency	450MHz to 470MHz
RF Power	100mW (+20 dBm max)
License	Certified FCC Part-90
Modulation	2-GFSK
Range	Up to One Mile
Antenna	External, RP-TNC 50Ω port

Enclosure

Material	High-impact, glass-filled nylon
Faceplate	Aluminum
Hardware	Stainless steel
Dimensions	mm: 263.53 x 141.12 x 138.97 inches: 10.38 x 5.56 x 5.47
Total Weight	≈2.27kg (5.0 lbs.)

Controls

Independent Brake	Maintained 9-position lever
Throttle	Spring-return 9-position lever
M-Stop	Professional metal stop (push/pull)
Vigilance	Pushbutton
Headlight	Pushbutton
Auto Bail	Pushbutton
Sand	Manual/Neutral/Auto 3-position toggle (Momentary/Off/Maintained)
Unassigned	Pushbutton (custom operation)
On/Off	3-position momentary rotary
Umbilical	CAN J1939
Off/Bell/Bell + Horn	3-position toggle
Auto Brake/Lap/Release	3-position toggle
Forward/Neutral/Reverse	3-position toggle

Indicators

TX	Radio transmission
RX	Radio reception
ERR	Local fault
BATT	Low battery indication
W SLIP	Wheel Slip
BK AP	Independent Brake Applied
REV	Reverse Engaged
FWD	Forward Engaged

Dimensions

