

SmaRT CB (Console Box)

Features

- ✓ Up to Three Dual Axis Joysticks for Proportional Control or Up To Seven Single-Axis Levers
- ✓ Up to Eleven Toggle or Button Controls
- ✓ Push/Pull Machine Stop
- ✓ 900MHz @ 10mW or 2.4GHz @ 100mW Operation
- ✓ Optional Eight Character LED Display
- ✓ Four Diagnostic and Four Configurable LEDs
- ✓ Optional Umbilical Connection Available
- ✓ Operates Using Two C-Cell Alkaline Batteries
- ✓ Belt Loops to Securely Attach to Belt or Harness



The SmaRT CB Console Box communicates with and controls SmaRT base units using either 900MHz (906 – 924 MHz @ 10mW) or 2.4GHz (2405 – 2480 MHz @ 100mW) frequency ranges. Using line-of-sight DSSS (Direct-Sequence-Spread-Spectrum) technology, either broadcast frequency offers a generous control distance in congested radio environments. The rugged enclosure and water resistant components ensure reliable operation in harsh weather environments operating in temperatures as low as -20°C to a maximum of 55°C (-4°F to 131°F). The SmaRT Console Box offers a variety of joystick and switch options that are factory configured upon ordering.

Specifications

Power

Operating Voltage	1.6 to 3.2VDC
Batteries	Two (2) C-cell alkaline batteries
Option	Charger and rechargeable battery
Low V Shutdown	≈1.6V
Inactivity Shutdown	4-Minutes typical (programmable)

Environment

Operating Temp	-20 to +55°C (-4° to +131°F)
Storage Temp	-40 to +55°C (-40° to 131°F)
Humidity	0 to 100%

Indicators (LEDs)

TX (Green)	Solid – transmitting, switch active Blinking – transmitting, no switch active
RX (Amber)	Blinking – receiving, no output active Solid – receiving, output active
ERR (Red)	Indicates error
BATT (Amber)	Blinking – low battery indication
LED Option	Up to four additional custom programmed
Display Option	8-character LED

Control Switches

Joysticks	Up to three (3) dual axis
Levers	Up to seven (7) single axis
Toggles	Up to eleven (11) 2 or 3-position momentary or maintained
Options	Pushbuttons, potentiometers, rotary switches
Stop	Pull-up/Push-down
Umbilical	Optional tether cable backup

Enclosure

Material	High-impact glass filled nylon
Faceplate	Aluminum
Hardware	Stainless steel
Dimensions	10.25 x 5.62 x 5.50 inches
Total Weight	4.0lbs

Radio

Frequency	906MHz to 924MHz @ 10mW 2405MHz to 2480MHz @ 100mW
License	None required
Modulation	Direct-Sequence-Spread-Spectrum (DSSS) optional channel hopping
Antenna	Internal

Product Family Listing

Common Features

Power:	Two (2) Type C-Cell Alkaline Batteries
Dedicated Stop Switch:	Oversized, Spring-Loaded 2-Position
Activation:	Twist-Up the Stop Button, then SW12+ (Up)
Discrete Inputs Type:	Momentary or Maintained 2 or 3-Position Toggle
Attachment:	Molded Belt Attachments
Diagnostic Indicators:	Green, Amber, & Red LEDs

Model Specific Features

Model Name	Freq.	RF Power	Proportional Inputs Prop. Input Type	Umbilical
CB-9H07LV	900MHz	10mW	7-Single Axis Levers	No
CB-9H07LV-UMB	900MHz	10mW	7-Single Axis Levers	Yes
CB-2H07LV	2.4GHz	100mW	7-Single Axis Levers	No
CB-2H07LV-UMB	2.4GHz	100mW	7-Single Axis Levers	Yes
CB-9H03JS	900MHz	10mW	3-Dual Axis Joysticks	No
CB-9H03JS-UMB	900MHz	10mW	3-Dual Axis Joysticks	Yes
CB-2H03JS	2.4GHz	100mW	3-Dual Axis Joysticks	No
CB-2H03JS-UMB	2.4GHz	100mW	3-Dual Axis Joysticks	Yes

Custom Configurations by Request

