Featuring Carlson Exclusive LDL (live digital level) for highest positional accuracy: Carlson SurvCE, versions 4.0 and up, utilizes the BRx5’s internal level sensors to display a live digital level bubble in the store points and stake points screen. Plus —

- Fully integrated 270-channel GNSS receiver with UHF radio & GSM cell modem
- Each receiver can be configured as Base, Rover, or Network Rover
- Dual Bluetooth Ports – connects data collector & cell phone
- Dual Hot-Swap Batteries – no need to stop work to recharge or replace battery packs
# Carlson BRx5 GNSS Receiver

--- Be outstanding in your field!

## GPS Receiver
- **Receiver Type:** Multi Frequency GNSS
- **Positioning Modes:** RTK, SBAS, External RTCM, Autonomous
- **Channels:** 270
- **RTK Formats:** CMR, CMR+, RTCM3.0, RTCM3.1, ROX
- **Update Rate / Recording Interval:** Selectable from 1, 2 and 5 Hz

## Performance*
- **RTK:**
  - Horizontal: 8 mm + 1 ppm
  - Vertical: 16 mm + 2 ppm
  - Static Performance: 3 mm + 0.5 ppm
- **DGPS Performance:**
  - SBAS (WAAS): 0.3 m
  - Autonomous, no SA: 1.2 m

## Environmental
- **Operating Temperature:** -30°C to +70°C (-22°F to +158°F)
- **Storage Temperature:** -40°C to +85°C (-40°F to +185°F)
- **Humidity:** Up to 100%
- **Enclosure:** IP67, EP455, waterproof, dustproof
- **Shock:** 2 m (6.56') pole drop

## Power
- **Battery:** 2 x Li-ion 5.2 Ah total, 7.4V
- **External Voltage:** 9 to 32 VDC

## Mechanical
- **Dimensions:** 114 mm H x 197 mm D
- **Weight:** 1.51 kg (3.33 lbs)
- **Material:** Lexan™ EXL resin

## Communication
- **BlueTooth:** Dual Port
- **Radio and GSM:** Integrated
  - 1 x GSM/GPRS
  - 1 x 400 MHz UHF Radio

## User Interface
- **LED Display:** 8 status LED’s
- **Buttons:** On/Off, function select
- **Data Storage:** Removable SD/SDHC card

## Ports
- 1 x Power Input (2-pin circular)
- 1 x RS232 (9-pin circular, multi-use)
- 1 x RS232 (DSUB 9-pin)
- 1 x Radio Antenna Connector

## Satellite Signal Track
- L1, L2, GPS, Glonass and tracks L5 at the Antenna

---

* Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activity.

** Subject to restrictions. See website for details.

---

© Carlson Software Inc. All rights reserved. Carlson Software is a registered trademark of Carlson Software Inc. All other product names or trademarks belong to their respective holders.

---

Carlson Software Inc.
102 West 2nd Street • Maysville, KY 41056, USA
800-989-5028 • 606-564-5028 • www.carlsonsw.com

Since 1983

---

*For the Total Project*