

# Carlson CR+



January 18, 2016

# Carlson CR Overview



# Carlson CR+



Carlson CR+ incorporates highly innovative X-motion hybrid drives, providing high automation performance.

**Rotation Speed** 45° per second  
→ 4 sec for face change

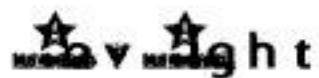




# Carlson CR+ NavLight™

Fitted as standard in the telescope, the NavLight is an efficient alignment aid, helping to speed up work while setting out.

Its flashing red and yellow lights will guide you quickly and exactly to the line of sight.



<b>Range*</b>	150m (492 FT)
<b>Accuracy</b>	5cm at 150m .16 FT at 492 FT
<b>Technology</b>	Dual LED

# Carlson CR+ Display & Keyboard



# Carlson CR+ Communication & Memory

Carlson CR+ meets all your connectivity needs and is ideal for one-man robotic surveys.

## Internal & Long Range Bluetooth Handle

- High Speed Data Link
- Reliable Connectivity
- License Free

## Data can be stored on....

- SD-Card
- USB Stick
- Internal Memory





# Carlson CR+

## Important to know....

### General:

- Carlson CR+ supports the following radio handles:
  - ZRT81 Long range Bluetooth
  - ZRT82 Long range Bluetooth (white and grey)
  - Radio Handle ZRT80 is not supported !
- No "own" on-board measurement application → 3<sup>rd</sup> party SW required
- The data are stored on that device on which the measurement is initiated
  - 3<sup>rd</sup> party Onboard: **SurvCE** Data stored on-board
  - 3<sup>rd</sup> party on Datalogger: **SurvCE** Data stored on Datalogger

# Carlson CR+

## Environmental protection

Carlson CR+ instruments are built to withstand the toughest conditions. The CR+ has been designed and tested to be dust-proof and fully protected against water jets.

### Dust- & Water protection



### Operating temperature

-20°C to +50°C

-4°F to +122°F



# Carlson CR+ IP55 in detail....



IP55



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# Carlson CR+ Software





# Carlson CR+ Onboard Software – Toolkit

“Toolkit” provides basic functionalities required to setup operation by SurvCE software.

- Settings
- Update functionality (Toolkit)
- Check & Adjust
- System Info

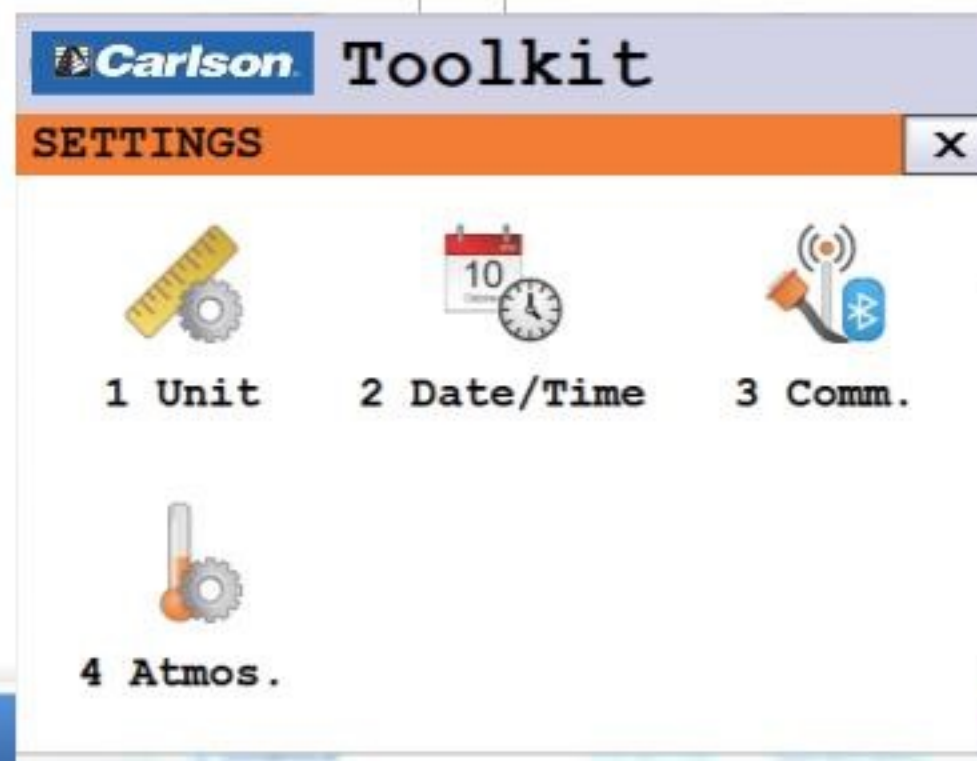
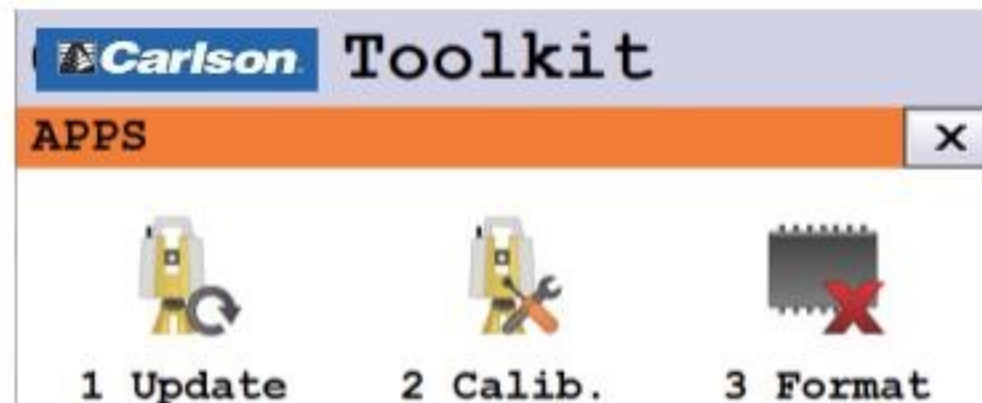




# Carlson CR+ Important to know....

## General:

- The preloaded On-board Software "Toolkit" is **only** to configure the instrument. **No measurements/ Surveying tasks included.**



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# **Carlson CR+ Onboard Field Software**

**The Windows CE operating system, enables a variety of powerful field software to be run, offering you freedom to choose software that best suits your needs.**

**The full VGA colour-touch display provides you with superior performance and full capability, displaying highly complex images such as maps.**



**Requires SurvCE TS which comes free on board when you purchase a Carlson CR+ through an authorized Carlson Reseller.**



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