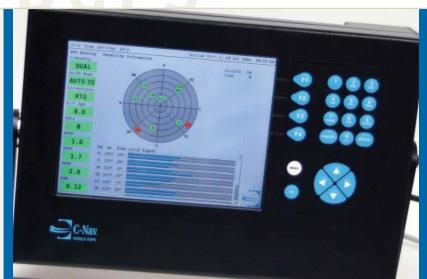


C-NAVIGATOR CONTROL DISPLAY UNIT

C-NAV DGPS

C-NaviGator is a self-contained, Control/ Display Unit, which provides a number of visual aids to help monitor the quality, performance, and accuracy of GPS position information.



THE FOLLOWING ARE JUST SOME OF THE FEATURES FOUND IN THE C-NAVIGATOR:

- Displays real-time system and quality information.
- Multiple NMEA inputs/selectable outputs.
- Automatic screen dimming for night use.
- Easy to use interface.
- o On screen help.
- Four built-in Com and two USB ports.

For more information go to www.cctechnol.com/cnav.

C-NAVIGATOR

FEATURES

- Control and monitor C-Nav GPS receivers
- Monitor NMEA compliant GPS systems
- Four Com and two USB ports
- Save/load settings
- User selectable units for distance, height and speed
- User selectable time zones
- O Day/night display brightness settings including Auto Mode
- On-screen help documentation
- Easy software updates via USB
- Accept and output all NMEA versions (2.1 / 3.0 / 3.1)

C-NAVIGATOR QUALITY MONITORING DISPLAYS

- o Position Information Large Text Display of Position, HAE, SOG and COG
- Satellite Information:
 - > Satellite orientation in the form of a "sky plot" displaying the current location of the satellites visible to the GPS receiver
 - > Table Display of Satellite Elevation, Azimuth and L1/L2 Signal Strength
- Error Ellipse Graphically represents the sum of the horizontal error uncertainty
- Scatter Plot Displays a history of the positions received from the GPS receiver
- Event Log "Fixes" List of 'Fixes' saved in memory
- Alarms List of current alarms
- Side Bar Solution information This bar is constantly displayed, giving the user the following information at a glance:
 - > Single/Dual Frequency
 - > 2D/3D Height Solution
 - > Corrections in use (RTK, RTG, WCT, SBAS, RTCM and Autonomous)
 - > Differential Age
 - > Satellites Used in Solution
 - > HDOP, VDOP and PDOP
 - > FOM

COMPUTER SPECIFICATIONS

Processor

300MHz AMD GEODE Fanless Pentium Class Processor

Memory

64MB SDRAM

Operating System

Linux - Support for system functions (including SIO, USB, membrane keypad, Ethernet)

Display

8.4" Transflective Sunlight Optimized TFT Flat Panel Display –

~325 cd/m2 + Alpha (sunlight) 800 (H) x 600 (V) native resolution

Key Pad

3 x 4 Matrix (12-key) Membrane Keypad plus 6-key row for soft keys, plus 4-arrow key keypad

PHYSICAL/ENVIRONMENTAL

• Size: D x H: 12.8" x 8.6" x 2.8" (32.6 x 21.8 x 7.0cm)

• Weight: 9.5 lbs (4.3 kg)

PowerInput Voltage: 9 VDC to 36VDC (nominal 24VDC)

Consumption: 128mA @ 13.85V DC

> 3 x RS232 + 1 x RS232/422/485 on-board serial ports available for user

- > 1 x 10/100 Mb/s Ethernet Interface
- > 2 x USB Interfaces
- > 1 x Digital Input (from LPT interface)
- > Audio output "Beep" with buzzer
- > PS2 Keyboard and Mouse Interface
- Temperature

Operating: 0°C to +55°C - Convection Cooling - No moving parts

Housing: Black, high impact, flame resistant, polystyrene

enclosure



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