

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.
- On screen help.
- Four built-in Com and two USB ports.

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

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
- ⦿ 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

- ⦿ 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)
- ⦿ Power
 - Input Voltage: 9 VDC to 36VDC (nominal 24VDC)
 - Consumption: 128mA @ 13.85V DC
- ⦿ I/O Connector:
 - > 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



LAFAYETTE | 730 E. KALISTE SALOOM RD. | LAFAYETTE, LOUISIANA 70508 | TEL: (+1) 337.261.0660 | FAX: (+1) 337.261.0192
HOUSTON | 10615 SHADOW WOOD DR., STE. 100 | HOUSTON, TEXAS 77043 | TEL: (+1) 713.468.1536 | FAX: (+1) 713.468.1115
SOUTH AFRICA | #5 MELODIE ROAD | KIRSTENHOF 7945, SOUTH AFRICA | TEL: (+27) 21.702.1870 | FAX: (+27) 21.702.1870
BRASIL | AV. CHURCHILL, 109, 11ºANDAR, CEP 20020-050 | RIO DE JANEIRO – BRASIL | TEL: (+55) 21.22102555 | FAX: (+55) 21.22102557
SINGAPORE | 39 CHANGI SOUTH AVE2, APICO INDUSTRIAL BUILDING #04-05 | SINGAPORE 486352 | TEL: (+65) 62.95.9738 | FAX: (+65) 62.96.0098