



STANDARD HORIZON

GPS Chart Plotter CP180/CP180i

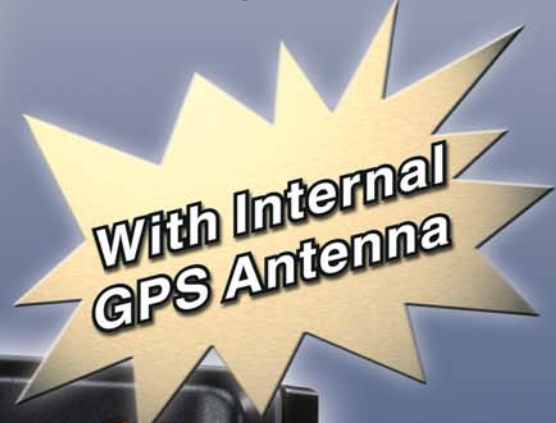


External Antenna
(CP180)



CP180

- CP180 (External GPS Antenna Version)
- CP180i (Internal GPS Antenna Version)
- 2NM Worldwide Background Included
- C-Map MAX or NT+ Award Winning Cartography Optional
- Radar and AIS capable
- Dual chart windows with independent zoom levels
- Satellite images on base map
- Font size selection on chart page
- Customizable Data Windows: GPS Status, Chart, Navigation, Highway, Celestial, Tides, Chart/Fish, Fishfinder Pages (When Optional FF520 Connected)
- 3000 Marks / 50 Routes / 10000 Track Points
- 3 NMEA inputs and 2 NMEA outputs
- VHF DSC Polling Capable
- Swivel Mounting Bracket Included



With Internal
GPS Antenna



With Internal
GPS Antenna
(CP180i)



MAX CP180i

C-MAP NT

*Simulated LCD Display

CP180 (External GPS Antenna Version)

The CP180 comes complete with an external Smart 50 Channel WAAS GPS antenna. The Smart antenna is supplied with 30' of wiring which can be cut and spliced for easy installation.



CP180i (Internal GPS Antenna Version)

The CP180i comes complete with a 50 Channel WAAS GPS antenna integrated into the GPS Chart Plotter. The CP180i is easily mounted in any location with a clear view of the sky.



2NM Worldwide Background Included

Both ChartPlotters come preprogrammed with a very extensive internal charting Database including satellite images. These units give you the ability to Pan and Zoom in to the 2NM scale anywhere in the world.

C-Map MAX or NT+ Award Winning Cartography Optional

For even greater detail add the C-MAP C-CARD for unparalleled charting performance. C-MAP also includes a comprehensive database of all marinas, and port services.

Customizable Data Windows: GPS Status, Chart, Navigation, Highway, Celestial, Tides, Chart/Fish, Fishfinder Pages (When Optional FF520 Connected)

Data windows can be fully customized to meet the demands of the user. Split screen Fishfinder / Chart page is available when the Optional FF525 is connected.

3000 Marks / 50 routes

The CP180/CP180i has more than enough memory to meet the demands of even the most discerning of navigators. With enough memory storage for 3000 Marks and 50 routes and 10000 track points, so there will be no problem finding the way.

NMEA Input /Outputs

Easy NMEA interfaces allow connection to any NMEA compatible marine equipment to share navigation information.

VHF DSC Polling Capable

Connect to a Standard Horizon VHF and transmit and receive position information automatically with any compatible DSC VHF.

Swivel Mounting Bracket Included

The included swivel bracket allows for easy view angle adjustment, this is a necessity for any active boating enthusiast.

SPECIFICATIONS

Power Consumption CP180i	520mA max @12V
CP180	460mA max @12V WITH EXTERNAL GPS CONNECTED
CP180i	410mA max @12V WITHOUT EXTERNAL GPS CONNECTED
Power supply	10-35 VDC
Interface	Input/Output Interface NMEA-0183
Display	TFT Color LCD (active area 5") sunviewable technology
Display Resolution	320 x 240 pixels
Cartography	C-MAP NT+/MAX C-CARD
Operating Temperature Range	32° F ~ 131° F
Storage Temperature	-4° F ~ 158° F
Water Resistance	Splash-proof
Memory	Internal non volatile for user data backup
Keyboard	Silicon rubber, backlight
Weight (without bracket)	21.2 oz
Dimensions	7.1" W x 4.4" H x 1.7" D
	CP180 Mount Cut Out 3.75H x 6.5W
User Points (Marks/Waypoints)	3000
Routes	50 (max 30 Waypoints each)
Track Points	10000 (recordable in 5 Tracks)

Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

ANTENNA CHARACTERISTICS

Color	Ivory white
Dimensions	3.8" in diameter x 1.3" in height (flush mounted) or 2.4" on flag-pole mount
Weight	5.6 oz (without cable)

ELECTRICAL CHARACTERISTICS

Input Voltage	10 VDC to 35 VDC unregulated
Input Current	112 mA @ 12 VDC 60 mA @ 24 VDC 45 mA @ 35 VDC
GPS Receiver Sensivity	-145 dBW minimum

GPS PERFORMANCE

Receiver	WAAS (North America), EGNOS (Europe), MSAS (Asia)
Geodetic Datum	WGS84
Channels	50
Frequency	1575.42 MHz (L1, C/A code)

ACQUISITION TIME (Approximate)

Reacquisition	Less than 1 second
Hot Start	8 seconds (typical)
Warm Start	< 40 seconds (typical)
Cold Start	< 45 seconds (typical)


ACCURACY

Position	less than 10', 95% of the time
Speed	0.3 Knots RMS

NMEA OUTPUT MESSAGES/UPDATE RATE

GGA : 1 second	GLL : 1 second	VTG : 1 second	RMC : 1 second
GSA : 3 seconds	GSV : 3 seconds	PCMPD : 1 second	

OPTIONAL ACCESSORIES

	Black Box Fish Finder FF525 Dual Frequency Black Box Fish Finder (600W or 1000W depending on transducer connected)	600W Transducers DST520 - Nylon depth only DST521 - Transom mount depth, temp speed DST523 - Bronze depth temp DST525 - In-hull depth only 1000W Transducers DST526 - In-hull depth only DST528 - Bronze thru-hull depth temp	<ul style="list-style-type: none"> •Dimensions 7.62" W x 2.19" H x 6.87" D •Weight 2.20 lb •Frequency 50/200 kHz •Max Depth 1200 ft @ 200 kHz 4000 ft @ 50 kHz •Power output 500 W or 1000 W, depend on transducer •Voltage range 10-35 VDC •Current drain STBY: 170 mA @ 10 VDC MAX: 1.42 A @ 12 VDC
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A FAMILY OF COSMETICALLY MATCHED CHOICES

The CP180/180i is one member of the family of marine electronics from STANDARD HORIZON that includes:

