

Marine GPS Dongle for Kenwood Mobile Radios

GPS Dongle adapter accessory.



Type: GPS Dongle
Operating Temp.: $-20^{\circ}\text{C} \pm 2^{\circ}\text{C} \sim 50^{\circ}\text{C} \pm 2^{\circ}\text{C}$
Approx. Weight: 50g
Size: Antenna 72.0 x 72.0mm
NEXEDGE, Fleetsync Compatible
Free tracking S/W: NewEdge S/W

GPS

GPS System: GPS
Sensitivity: -160dBm above
Cold Start: 28 seconds in open sky
Baud Rate: 9600
Antenna: Active Antenna included



RADIO CONNECTORS AVAILABLE

KENWOOD NX-700/NX-800

KENWOOD TK-7180/TK-8180

Detail Specifications:

GPS Specification

Receiver type	Channels	50
	Frequency	L1
	Signals	GPS C/A Code
Configuration	Time pulse	0.25 Hz to 1 kHz
	Navigation update rate	1Hz (ROM)
Time-To-First-Fix(1)	Cold Start (Autonomous)	28 s
	Warm Start (Autonomous)	28 s
	Hot Start (Autonomous)	1 s
	Aided Starts(2)	1 s
Sensitivity(3)	Tracking & Navigation	-160 dBm
	Reacquisition	-160 dBm
	Cold Start (Autonomous)	-147 dBm
Accuracy	Horizontal position(4)	< 2.5 m Autonomous < 2.0 m SBAS
	RMS 99%	30 ns <60 ns
	Velocity(5)	0.1m/s
	Heading(5)	0.5 degrees
Limits	Acceleration	4 g
	Altitude(6)	50000 m
	Velocity(6)	500 m/s
Baudrate	9600 default	Optional 4800

Note:

1. All satellites at -130 dBm
2. Dependent on aiding data connection speed and latency
3. Demonstrated with a good active antenna
4. CEP, 50%, 24 hours static, -130dBm, SEP: <3.5m
5. 50% @ 30 m/s
6. Assuming Airborne <4g platform