

GPS Dongle for Kenwood NEXEDGE 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: 20g
 Size: 28.0 x 56.0mm
 NEXEDGE, Fleetsync Compatible
 Free tracking S/W: NewEdge S/W
 Water Proof: Optional IP57 water proof version

GPS

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

Patent Number

US Patent
 7,668,566/7,783,298/6,912,397/6,941,147
 Taiwan Patent
 M338507/M350183/M315917/I252705/I 248771
 China Patent
 ZL 200720139535/ZL200620120732/ZL200620118447X
 ZL2003201299906



GPS Adapter for Digital Radio

Compatible with Kenwood Fleetsync Software
 No extra power need

RADIO CONNECTORS AVAILABLE

KENWOOD NX-200/NX-300

Detail Specifications:

GPS Specification

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