KENWOOD

Listen to the Future

KMC-38GPS

FleetSync® GPS Speaker Microphone

FleetSync® by KENWOOD

GPS DATA RADIO POSITION DISPLAY REPORTING

- GPS Display Radio On/Off Key
- Latitude & Longitude Position Display
- Altitude Display
- GPS Signal Status Indicator
- LAT/LONG: Degrees, Minutes, Seconds Formatting
- Altitude: Feet or Meters Formatting
- Position & Altitude Auto/Manual Alternate

EVENT-CONTROLLED GPS AUTO-REPORTING

- FleetSync® PTT ID & GPS
- FleetSync® Emergency Activation & GPS
- FleetSync® Status Message Block & GPS
- Programmable Timed Interval Reports

USER-CONTROLLED GPS REPORTING

- Manual GPS Data Send Key

DISPATCH-CONTROLLED GPS REPORTING

- Auto-Polling & Manual Request

GENERAL REPORT SETTINGS

- Target Data Zone/Channel/Group ID
- Latitude & Longitude, Altitude
- Number of Times to Send
- UTC Based Data Anti-Collision Algorithm

COMPATIBILITY

- TK-2180/3180 Portable Radios
- LTR® & Conventional Zones
- Kenwood KGS-3 FleetSync® AVL Software
- Aftermarket FleetSync® AVL Compatible Software

GENERAL

- Programmable With Radio Software
- Noise-Canceling
- 3.5mm Earphone Jack
- Rotary Clip
- Li-Ion Memory Backup Battery Cell
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion

Specifications

Model	KMC-38GPS
GENERAL	
Operating Temperature	-30° C (-22°F) to +60°C (+140°F)
Operating Voltage	4 to 10 VDC
Microphone Sensitivity	-65dB +/- 4dB @ 1 KHz (0 dB = 1 V/Pa)
Microphone Impedance	2.2 kΩ (max.)
Speaker Impedance	16 Ω +/- 15% @ 1 kHz
Speaker Rated Audio Output Power	0.5W
Maximum Speaker Input	1.5 W
Dimensions (W x H x D)	2-7/16 x 3-3/16 x 1-27/64 in. (62 x 81 x 36 mm)
Weight	8.5 oz. (240g)
Other Compliances	RoHS Compliant Lead-Free
Applicable Patents	U.S. Patent 5,884,199
GPS SPECIFICATIONS	
Receive Method	12 Channels Parallel
Receive Frequency, Code	1575.42 MHz +/- 1 MHz, L1 Band, C/A Code
Sensitivity	-142 dBm (tracking), -136 dBm (acquisition)
Accuracy Horizontal	Approx. 15m (GPS: 2drms, SA=OFF, PDOP ≤ 3)
GPS Data Format	NMEA 0183
GPS Data Update Cycle	1 time per second
Cold Start	70 seconds (room temp.)
Warm Start	38 seconds (room temp.)
Hot Start	8 seconds (room temp.)
Lithium Backup Cell	3V / 3.4 mAH (nominal)
Recharges from radio supply while installed on radio Lithium cell replacement recommended every 3 years Kenwood Part No. W09-1040-08 / Seiko Instruments Part No.: MS614S	
Dimensions:	6.8 mm diameter x 1.4 mm thickness
Cycle Life:	1000 Times Discharge & Charge* (20% DOD**)
Cycle Life:	200 Times Discharge & Charge* (100% DOD**)
**Repeating for approx. 50% of nominal capacity; **DOD- Depth of Discharge*	
GPS Data Retention	
5 Days (KMC-38GPS must be attached to portable with charged battery and radio powered on for a min. of 8 hours for the Lithium to charge. After power off GPS data is retained for approx. 5 days)	
Radio Battery Life (hours)* with KGP-38GPS Installed	Battery Save (OFF / ON)
KNB-31A, 1700 mAh	6 / 7
KNB-33L, 1700 mAh	6 / 7
KNB-32N, 2500 mAh	9 / 10
** At 5-5-90 duty cycle, battery life listed is approximate; will vary per battery save "on" setting, per model radio and will be less when other internal electrical options are installed.*	

Front Cover: GPS satellite in orbit, image courtesy of NASA.
Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

KENWOOD

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