

KENWOOD

Listen to the Future



KMC-47GPS/48GPS

GPS Speaker Microphone

FleetSync
by KENWOOD

GENERAL

- Programmable with Radio Software
- Noise Canceling
- 3.5mm Earphone Jack
- Rotary Clip
- Li-ion Memory Backup Battery Cell
- MIL-STD810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion

EVENT-CONTROLLED GPS AUTO-REPORTING

- FleetSync® & NEXEDGE®^{*1} PTT ID & GPS
- FleetSync® & NEXEDGE®^{*1} Emergency Activation & GPS
- FleetSync® & NEXEDGE®^{*1} 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

GPS DATA RADIO POSITION DISPLAY REPORTING

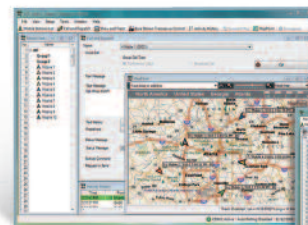
- GPS Display Radio On / Off Key
- Latitude & Longitude Position Display
- Altitude Display
- GPS Signal Status Indicator
- Latitude & Longitude: Degrees, Minutes, Seconds Formatting
- Altitude: Feet or Meters Formatting
- Position & Altitude Auto/Manual

COMPATIBILITY

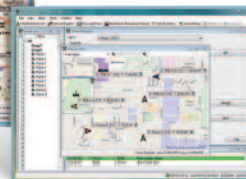
- NX-200/300 Portable Radios^{*1}
- TK-5210/5310/5410 Portable Radios^{*1}
- TK-5220/5320 Portable Radios^{*1}
- TK-2180/3180 Portable Radios^{*1}
- TK-2312/3312 Portable Radios^{*2}
- MPT & LTR® & Conventional Zones
- Kenwood KAS-10 AVL Messaging Software
- Aftermarket FleetSync® & NEXEDGE®^{*1} AVL Compatible Software

*1: KMC-47GPS only

*2: KMC-48GPS only



AVL Dispatch, MapPoint® Screen



Scanned Map

KAS-10

AVL Messaging Software

Specifications

Model	KMC-47GPS	KMC-48GPS
GENERAL		
Operating Temperature	-30° C (-22°F) to +60°C (+140°F)	
Operating Voltage	4 to 10 VDC	
Current Drain	Less than 65 mA	
Microphone Sensitivity	-45dB +/- 5dB @ 300 KHz (0 dB = 1 V/Pa)	
Microphone Impedance	2.2 k Ω (max.)	
Speaker Impedance	16 Ω +/- 15% @ 1.0 V 1.2 kHz	
Speaker Rated Audio Output Power	0.8 W	
Maximum Speaker Input	1.6 W	
Dimensions (W x H x D)	2.44 x 3.19 x 1.42 in. (62 x 81 x 36 mm)	
Weight	8.2 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	-155 dBm (tracking), -140 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	40 seconds (room temp.)	
Warm Start	38 seconds (room temp.)	
Hot Start	8 seconds (room temp.)	

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.

NEXEDGE® is a registered trademark of Kenwood Corporation.
 FleetSync® is a registered trademark of Kenwood Corporation.
 LTR® is a registered trademark of Transcript International.

Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Standard				
Dust & Water Protection	IP54/55			

KENWOOD

Kenwood U.S.A. Corporation
 Communications Sector Headquarters
 3970 Johns Creek Court, Suite 100, Suwanee, GA 30024-1265

Order Administration/Distribution
 P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745

Kenwood Electronics Canada Inc.
 Canadian Headquarters and Distribution
 6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8



www.kenwood.com



ISO9001 Registered
 Communications Equipment Division
 Kenwood Corporation
 ISO9001 certification

ADS#28610 Printed in USA