

# KENWOOD

Listen to the Future



## KMC-47GPS/48GPS

GPS Speaker Microphones



### 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 & 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 POSITION DISPLAY

- GPS Display On / Off by Key Operation
- Latitude & Longitude Position Display Degrees, Minutes, Seconds Formatting
- Altitude Display Feet or Metres Formatting
- GPS Signal Status Indicator
- 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-2170/3170 Portable Radios\*2\*3
- TK-2360/3360 Portable Radios\*2\*3
- 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

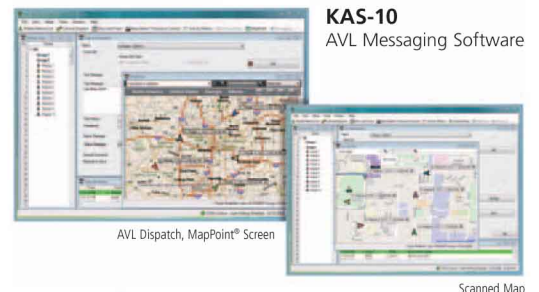
\*3: Depends on the hardware version



KMC-47GPS



KMC-48GPS



KAS-10  
AVL Messaging Software

\*Availability of radio models may vary depending on region or country.

## Specifications

Model	KMC-47GPS	KMC-48GPS
<b>GENERAL</b>		
Operating Temperature	-30° C (-22° F) to +60° C (+140° F)	
Operating Voltage	4 to 10 V DC	
Current Drain	Less than 65mA	
Microphone Sensitivity	-45 dB ±5 dB @ 300 Hz (0 dB = 1 V/Pa)	
Microphone Impedance	2.2 kΩ (max.)	
Speaker Impedance	16 Ω ±15% @ 1.0 V 1.2 kHz	
Speaker Rated Audio Input Power	0.8 W	
Maximum Speaker Input	1.6 W	
Dimensions (W x H x D)	62 x 81 x 36 mm (2.44 x 3.19 x 1.42 in)	
Weight	230 g (8.2 oz.)	
Other Compliances	RoHS compliant lead-free	
Applicable Patents	U.S. Patent 5,884,199	
<b>GPS SECTION</b>		
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)	
Horizontal Accuracy	Approx. 15 m (GPS: 2 drms, SA=OFF, PDOP ≤ 3)	
Data Format	NMEA 0183	
Data Update Cycle	1 time per second	
Positioning Start Time		
Cold Start	40 seconds (at room temp.)	
Warm Start	38 seconds (at room temp.)	
Hot Start	8 seconds (at 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
<b>International Protection Standard</b>				
Dust & Water Protection	IP54/55			

## Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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