HIDEAWAY NAVIGATION SYSTEM

KNA-G610/G620T /G630/G630CN

SERVICE MANUAL

KENWOOD

Kenwood Corporation

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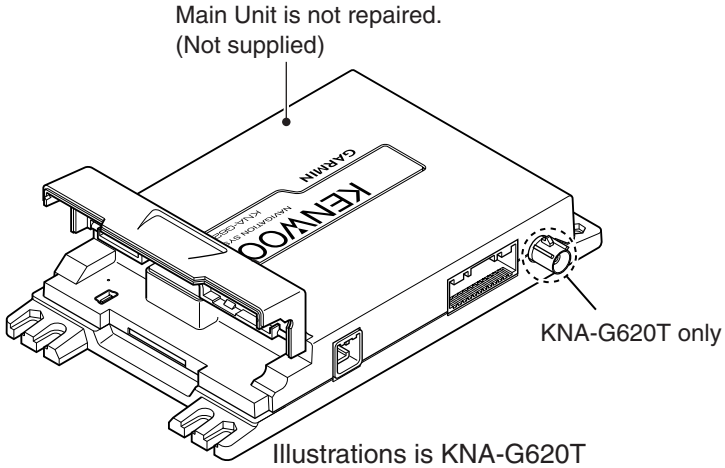
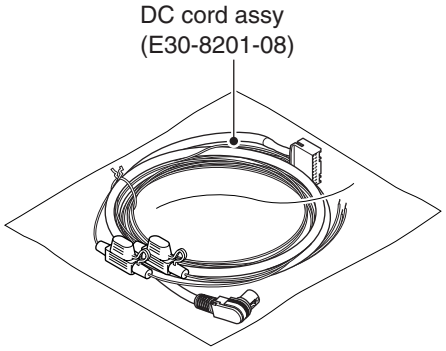
B53-0823-00 (C) 0

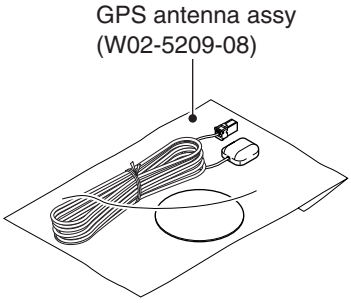
KNA-G610 (North America)
KNA-G620T (Europe)
KNA-G630 (Other Areas)
KNA-G630CN (China)

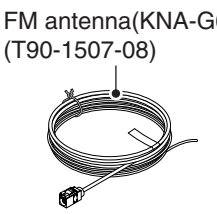
High sensitivity GPS module(Mediatek Chip)
Map version is Ver(2010).



Illustrations is KNA-G620T







- Instruction manual
  (B64-4773-08): KNA-G610
  (B64-4774-08): KNA-G620T
  (B64-4775-08): KNA-G630
  (B64-4776-08): KNA-G630CN

Specifications

General

Operating Temperature:	From -4ºF to 158ºF (-20ºC to 70ºC)
Storage Temperature:	From -40ºF to 185ºF (-40ºC to 85ºC)
Operating Voltage:	9.5 to 25 Vdc
Current Consumption:	0.16 A typical at 13 Vdc (Max 1.0 A at 13 Vdc)
ACC off Current:	70 uA typical at 13 Vdc
Dimensions:	(W x H x D) 6 1/2 x 1 1/8 x 3 13/16 in. (165 x 28.5 x 97 mm)
Weight:	0.4 lb. (186 g)
Map Storage:	Internal non-removable memory and optional removable SD card (City Navigator® map data)
Connectors:	System/power, GPS antenna, SD card slot, Mini-B for optional FM traffi c receiver. Fakra for FM traffi c receiver.(KNA-G620T)

Navigation

Frequency:	1,575.42 MHz
Acquisition Times*:	
Warm:	< 1 second
Cold:	< 38 seconds
AutoLocateR:	< 45 seconds
	*On average for a stationary receiver with an open sky view
Update Rate:	1/second, continuous
GPS Accuracy:	
	Position: < 32.8 ft. (10 m), typical
	Velocity: 1.97 in./sec (0.05 meter/sec) RMS

Antenna:
External GPS antenna requires metal surface 60 x 60 mm (2.36 x 2.36 in.) or larger, such as a car roof or the included metal plate. A larger metal mounting surface improves GPS reception.

This product uses Lead Free solder.

This product complies with the **RoHS** directive for the European market.