

# GPSKM

## GPS Combination Magnetic Mount Base

14/11/2016 v.1.2

### GPS Combi Magnetic Mount Base

No hole installation with strong magnetic retention

Easy fitting and removal

GPS (26dB LNA) and optional whip



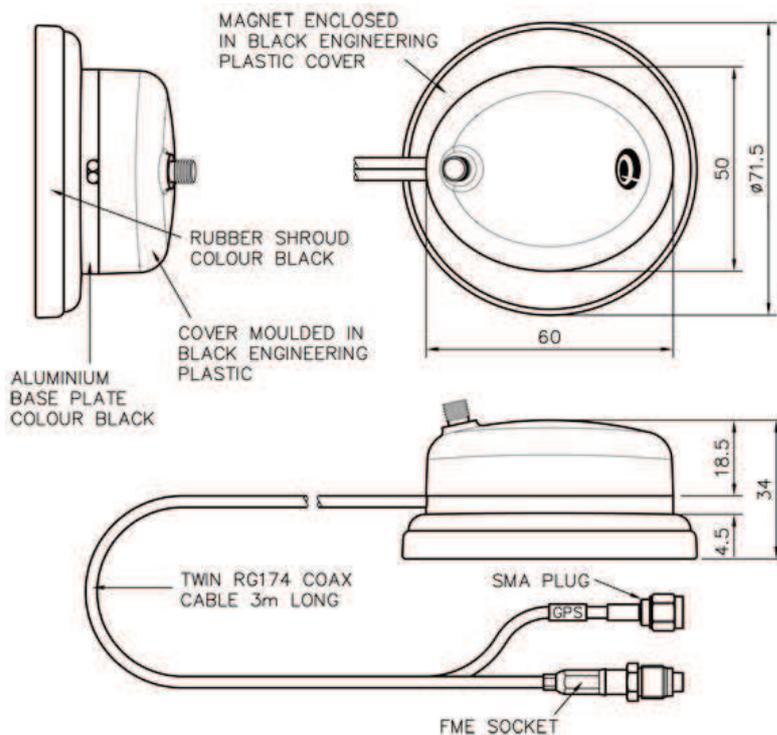
The dual functionality of the Panorama GPSKM range makes these antennas a popular choice for temporary fitment to police, buses, taxis and other public service and utility vehicles.

The GPSKM is a dual function, offers an integrated whip position with an active GPS element incorporating a 26dB LNA. A strong magnet ensures that the antenna stays in position and leaves no evidence that it was fitted, when removed.

The radiating element can be selected from a range of Panorama Antennas products with a recommended max length of 500mm (19.7") dependent on product type. The recommended frequency range for this base is 140-960MHz but with selected whips it can operate up to 2170MHz.

The standard variant of the GPSKM is supplied with 3m (10') of RG174 twin cable fitted with SMA plug (GPS) and FME jack (whip) connectors for easy installation - other connectors and adapters are available.

#### Technical Drawing



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<b>Part No.</b>		GPSKM-3FS
<b>Electrical Data</b>		
Frequency Range:	dependent on whip ( 140 to 2170MHz)	
Max Input Power (W)	60	
<b>Mechanical Data</b>		
Frequency Range (MHz)	1575	
Typical VSWR	<2.0:1 ± 4MHz	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating voltage	3 - 5V DC (fed via coax)	
Current	Typical 15mA	
Regulatory approvals	E-mark & CE mark	
<b>Dimensions (mm)</b>		
Base Height	34 (1.34")	
Diameter	71.5 (2.8")	
Operating Temp	-30° / +80°C (-22° / 176°F)	
Material	A.B.S, plated brass and rubber boot	
Colour	Black	
<b>Mounting Data</b>		
Mounting type	Magnetic	
Maximum Whip Length (mm)	500 (19.7")	
Recommended Max Speed (KMph)*	220 (135 Mph)	
<b>Cable Data</b>		
Cable Type	Twin RG174	
Cable Length (m)	3 (10')	
Cable Diameter (mm)	2.8 (0.1")	
Termination	SMA plug (GPS)   FME Jack (Whip)	

\* Recommended max speed is based on safe installation practice with a Panorama whip not exceeding the stated maximum length. A headwind of up to 30 KMph (19Mph) is allowed for in the stated value. Adverse weather conditions / heavy icing or poor installation may decrease magnetic retention. Spacing materials (other than the fitted rubber boot) should never be placed between the magnet and the mounting surface as this will significantly impact retention and may make this installation unsafe. Panorama advocates safe driving practices and adherence to the maximum speed limits in force locally for the user. Users are recommended to follow best practice and conduct sensible risk assessments before driving at very high speeds.