



Multiband 2.4/4.9-6 GHz & GPS  
 (White shown, black also available)

## Surface Mount Multi-band 2.4, 4.9-6 GHz & GPS

- Stud mounts easily to roof, trunk or bulkhead
- High performance GPS with 26 dB active amplifier
- Operates 2.4/5 GHz & 4.9 Public Safety Bands

This multiband Stud mount antenna integrates several broadband/ data networks with GPS. The antenna operates on 2.4 WiFi, 5 GHz WiFi, and GPS. The antenna will also operate on 2.4 Video Surveillance, and 4.9 GHz for Public Safety Broadband. The antenna is excellent for any application needing a secure and stealthy antenna.

The design uses a 5/8" feed thru (1.6 cm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The GPS feed of the antennas are outfitted with 15 feet (4.5 m) of RG-174 cable & SMB or SMA connectors. All connectors are male (plugs). The broadband cable is 15 feet of RF-195 cable (4.5 m).

GPS performance is 26 dB, with 5 dBi antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics. Power for the GPS amplifier (2.7-5 VDC) and signal is applied through the same cabling directly to the GPS circuit.

The dome portion of the antenna measures 2.85" D x 1.45" H total (7.2 cm x 3.7 cm). It is made of weatherproof ASA Resin, which is a strong, durable outdoor material with UV stable properties. The antenna is supplied with a weatherseal gasket for the underside and mounting nut.

**Model Configurator**

Example: DM-W15-3A2C-WHT-180

Also available as a Mag-mount.  
 Mag-mount option: MGD-W15-3A2C-WHT-180

<u>Cable Options:</u>		<u>Connector Options:</u>		<u>Color Options:</u>	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>
2	RG-174	A	TNC	WHT	White
3	RF-195	B	Mini UHF	BLK	Black
		C	SMA		
		D	SMB		

(Other Configurations available.)

Specifications			
Frequency:	2.4/4.9-6 GHz	2.4/5 GHz	RF-195, 15 ft (4.5 m)
Gain:	2.5 dBi	Surface mount Case:	2.85" D x 1.45" H (7.2 cm x 3.7 cm)
GPS GPS Gain:	1575 MHz 26 dB LNA 5 dBi nominal RHCP Antenna	Mag-mount Case:	3.75" D x 1.9" H (9.5 cm x 4.6 cm)
VSWR:	2:1 max over range	Case Material:	White or black ASA
Noise Figure:	2.0 dB max, 1.7 dB typical	Stud Mounting:	5/8" dia x 3/4" long (1.6 cm x 1.9 cm) for 3/8" thick (9.5 mm) metal
Operating Temp:	-40° to +80° C	Hardware:	Locknut and gasket included
Nominal Impedance:	50 Ohm	Connector:	See above, others available
Maximum Power:	10 Watts	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Amplifier Bias:	2.7 to 5 VDC	IP Rating	IPx7
Current:	20 mA max, 10 mA typical		
Cable: GPS	RG-174, 15 ft (4.5 m)		