



Installation Instructions

Ultra Wideband 4G/5G MiMo Antenna

DMM-6-60

SW3-043 - v1.1

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1. Introduction

The DMM antenna is a 2x2 MIMO (multiple input multiple output) / diversity capable accessory antenna designed to improve reception for 2G / 3G/ 4G and some 5G modem devices.

2. Positioning the Antenna

The DMM is designed to operate with MIMO enabled modems which are able to take advantage of the scattered signal paths which exist in everyday indoor environments. For this reason the user can be very flexible about where they position the antenna. The antenna is omni-directional and does not need to be facing any particular direction to operate. The antenna should not be positioned too close to metal objects as this may affect performance.

2.1. Desk mounting

The DMM can be easily desk mounted using the integrated fold out feet as shown at fig. 1. Simply fold out both feet and position the antenna as desired. The feet can then be re-stowed for transport.

2.2. Adhesive pad mounting

The DMM can mounted to any non-conductive surface using the supplied adhesive pad see fig. 2. Ensure the area where you wish to mount the antenna is flat and level and free of grease and dirt. The adhesive pad should be placed centrally and can be fitted on either side of the antenna by removing the carrier film and pressing firmly. Once mounted to the antenna follow the same process to mount to the mounting panel. For optimal pad adhesion the ambient temperature should be 10°C - 30°C (50°F -86°F).

2.3. Suction cup mounting

The DMM can be suction mounted to a window or other smooth surface utilising the supplied suction cup. Simply screw the suction cup to the top most mounting position as shown in fig. 3. Proceed to mount the antenna by pressing it firmly onto the desired surface until a firm grip is achieved. To dismount the antenna hold the antenna firmly and unscrew the antenna from the suction cup. The suction cup can then be removed from the mounting surface with ease.

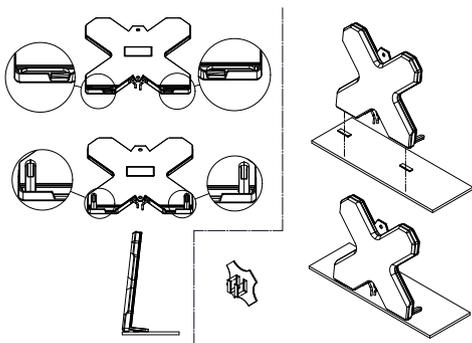
2.4. Screw mounting

The antenna can be mounted to appropriate surfaces using the supplied self-tapping screws and wall plugs as per fig. 4. Check for obstructions under the mounting panel and then drill appropriate holes using the antenna as a template if required. Take care not to over-tighten screws when mounting as this may break the mounting tabs- using the supplied spacers will help avoid over tightening.

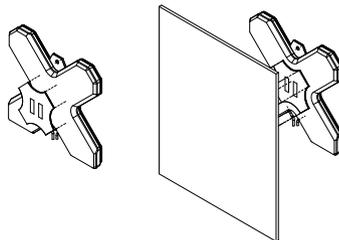
3. Routing the cables

Route the dual coaxial cables from the antenna to the modem. The cables should not remain bunched or tightly wound as this may affect performance.

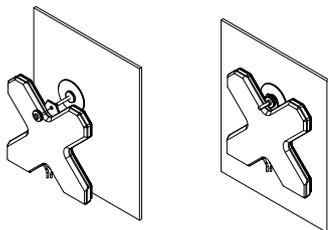
1 Fold out desk stand feet



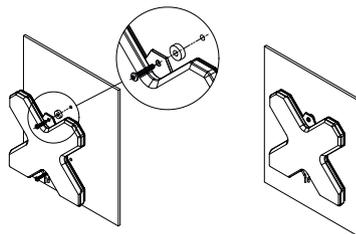
2 Installing using adhesive pad



3 Installing using suction cups



4 Installing using screws



4. Warranty

This accessory is guaranteed to be free from defects in the material and workmanship for 12 months from the date of purchase. If your accessory is found to be faulty please return the product to Panorama Antennas with proof of purchase. This warranty excludes normal wear and tear. This does not affect your statutory rights.

THIS WARRANTY DOES NOT APPLY IN AUSTRALIA.

5. Important safety notes



RF Safety Note - Ensure that the antenna is mounted in such a way that no person is likely to be within a distance of 30cms (12") from the antenna during use. Ensure that the antenna is used only as supplied the co-axial cables should not be cut shorter or otherwise modified.



General Safety Note - Make sure that the product is mounted so that it cannot fall and cause injury. Do not chew the product or put it in your mouth. Do not leave children unsupervised with the product or packaging.



Waste electrical products should not be disposed of with household waste. All electronic products with the WEEE logo must be collected and sent to approved operators for safe disposal or recycling. Please recycle where facilities exist. Many electrical/electronic equipment retailers facilitate "Distributor Take-Back scheme" for household WEEE. Check with your Local Authority or electronic retailers for designated collection facilities where WEEE can be disposed of for free.



RoHS 2 compliance is declared per Directive 2011/65/EU and its subsequent amendments with exemption 6.c applied. This product contains lead as an alloying element in a copper alloy containing up to 4% lead by weight.

REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals, EC 1907/2006) This product contains Lead (CAS No. 7439-92-1) which is classified as an SVHC (Substance of Very High Concern) as being toxic to reproduction under Article 57c. of REACH.

**Do not chew parts or put them in mouth, keep away from unsupervised children.
Dispose of parts as WEEE waste do not send to landfill.**

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