



- Small and lightweight retrofit reflector
- Low cost
- Easy to fit
- Enhances range within the network
- Reduces the probability of detection
- Applicable to static platforms (CP or Vehicles)
- Patented technology
- Fits most MANET Radios with vertical antenna

## **DARKSKY MANET Radio Reflector (MANET-0002)**

The DARKSKY MANET Radio Reflector (MANET- 0002) offers a step change in CIS capability by:

- extending links within the network, particularly to isolated nodes
- doubles the baseline communication range
- providing better quality links to enhance data performance
- reducing unwanted RF signature in identified directions reducing
  - vulnerability of intercept
  - susceptibility to disruption from jamming or co-site interference
- increasing understanding of the propagation properties of antenna/reflector combinations
- offering a readily deployable a “low cost, fight tonight” capability
- easily retrofitting to existing UHF comms systems with low system and network impact

### Product Details

The DARKSKY MANET Radio Reflector combines the output of three antennas (multiple in multiple out MIMO) to improve the signal. It comes in three sizes: standard, large and extra large but can easily be adapted to be larger to achieve a bigger gain.

Antenna Type	MANET Radio Reflector
Frequency Range	2.2 – 2.5GHz (S-band)
Polarisation	V
Antenna Type	Reflector
Forward Gain	3-5dBi 5-8dBi (double width)
Nominal Rear Suppression	12dBi
Beamwidth	60degrees
Power Rating	10W
Colour	Black/Silver
Dimensions (mm)	Small - H80 W30 Large – H80 W40 Extra Large – H80 W50
Stowed Weight (g)	Small – 100 Large – 150 Extra Large - 200



### For further information please contact

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# DARKSKY

## Small MANET Antenna



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