

wideye™

liberating communications

SAFARI™

Installation

Guide of SAFARI™

Antenna Unit

Part Number: 74E00127100

## Unpacking

- 3 sets of magnetic mounting base
- 1 pack of screws with an installation guide

## Radiation

The SAFARI™ antenna radiates 15.1 dBW EIRP and this translates to a minimum safety distance of 1m from the antenna while it is transmitting, based on a radiation level of 10 mW/cm<sup>2</sup>. Note that the safety distance applies to a hemisphere above the antenna. The antenna does not radiate over directly below the antenna.

## Interference

Do not place the antenna close to interfering signal sources or receivers. It is recommended that no other antennas are located within three meters of Safari antenna. Operates and tests the SAFARI™ system to ensure no interference to other equipment near to it.

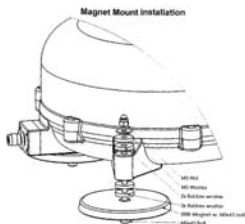
### Important note to be followed before installing Antenna Unit

The following note shall be observed:

- Install the antenna with free line of sight in all directions to ensure proper reception of the satellite signal. Do not place the antenna close to large objects that may block the signal.
- The antenna unit has to be mounted horizontally without any inclined roof surface.
- The roof of the vehicle has to be metallic to be able to use the magnet mounts.

## Installation of Antenna Unit with Antenna Cable

The antenna is shipped with 3 high intensity magnets with rubber coating. The SAFARI™ antenna can be directly attached on the roof of the vehicle using these magnets.



1. Place the antenna with magnets on the roof of the car. Remember that the magnets only work on a roof, which is made of metallic material.



**WARNING:** Do not place your fingers underneath the antenna when placing the antenna on the vehicle. The magnetic force is very strong and your fingers may be hurt if they are caught between the antenna's base and mounting surface.)

2. Connect the antenna cable between the transceiver and the antenna.

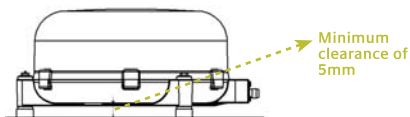
## Recommended the mounting position of Antenna Unit



It is recommended to locate the antenna unit on the flat portion of the roof of the vehicle so that the magnet mounts can fix securely to the vehicle.

The detailed information of installing the magnet mounts is available inside the packaging box of the antenna unit.

It is very important to have the clearance of at least 5mm to prevent rainwater from entering the base of the antenna unit.



## Detaching the Antenna

To remove the Antenna, hold the Antenna Unit near one of the three magnets and lift it. When one magnet is loosened, the other two magnets are easier to “break off”.

## Connecting Antenna Cable

At the side of the Antenna Unit, there is a coaxial connector which is a TNC (Female) receptacle.

When installing the antenna cable, it is important to protect against moisture using self-amalgamating tape (or similar), which is wrapped around the coaxial connector.



Additionally, the antenna cable running from the antenna unit has to be secured at short intervals. An unsupported length of cable will vibrate when driving or get entangled with overhead trees etc. This can affect the antenna connection over time.

## Dimension of the Antenna Unit (in millimeters)

