

# ADVANCED OPERATION

(Mk4 models only)

In certain circumstances, when the satellite signal is very weak for example, it's possible to get a better signal by manually adjusting the satellite dish and LNB. The Mk4 Camos sat-domes make this a simple operation by giving all the information about the dish's and the LNB's position on the controller's LCD screen.



To use this feature, press the **SET** button while the system is locked on to a satellite. You'll see the Azimuth screen first, then the Elevation screen and then the Skew screen. Adjust the settings by using the **UP / DOWN** buttons. If you change the settings, the normal operation of the system will not be affected the next time you turn it on.

## If something seems to be not working properly:

Symptom	What you should do
The control box does not power up.	<ol style="list-style-type: none"> <li>1) Check the power supply.</li> <li>2) Switch the control unit off and on again.</li> </ol>
The system seems to operate correctly but no satellite is found.	<ol style="list-style-type: none"> <li>1) Make sure that the dish has a clear view of the satellite – avoid trees, buildings, pylons, etc.</li> <li>2) Check cables and connections.</li> <li>3) Switch the control unit off and on again.</li> </ol>
A satellite is found but there's no picture on your TV.	<ol style="list-style-type: none"> <li>1) Check that you have selected the correct satellite and that your receiver is set for the same one.</li> <li>2) Check that cables and connectors between the sat-dome controller, the receiver and the TV are all secure.</li> </ol>
You can see a picture on the TV but it is breaking up.	<ol style="list-style-type: none"> <li>1) Check that there are no obstructions between the dish and the satellite.</li> <li>2) Check all cables and connectors.</li> <li>3) If you are near the edge of the satellite's transmission area (footprint) try manually adjusting the dish.</li> </ol>
The TV has sound but no picture.	<ol style="list-style-type: none"> <li>1) Check that you have not selected radio on your receiver instead of TV.</li> <li>2) Check that the power to your TV is sufficient for it to operate correctly.</li> </ol>
You've tried the suggestions but the system is still not working.	<ol style="list-style-type: none"> <li>1) Contact your installer or dealer.</li> <li>2) If they are unable to fix the problem, contact RoadPro.</li> </ol>

# CAMOS



## Installation and instruction manual for all Mk 3 & Mk 4 Camos sat-domes

- D3114 - 30cm Mk 3 sat-dome
- D3115 - 40cm Mk 3 sat-dome
- D3116 - 30cm Mk 4 sat-dome with auto-skew & GPS
- D3117 - 40cm Mk 4 sat-dome with auto-skew & GPS

Thank you for buying a Camos sat-dome. To enable us to provide the best after-sales service, please make a note of the unit's serial number which you will find above the external cable connecting socket.

My Camos sat-dome's serial number is:.....

# DELIVERY

Camos sat-domes come with the following parts in the box:

- Sat-dome
- Control box incl. power supply
- 1 HQ co-ax cable (10m) with F-plugs
- 1 HQ co-ax cable (1m)
- 1 Gel protection cap for F-plug
- 1 Cable-entry box
- Velcro strips (for mounting control box)
- 6 screws (3 in dome cover, 3 in bag)

# INSTALLATION

**We strongly recommend getting the sat-dome fitted to your vehicle or boat by a professional installer!**

## Preparation:

1. Ensure that the roof of your vehicle is able to carry the sat-dome. If you are not sure, check with your dealer or the vehicle's manufacturer.
2. Check that you have all the parts that are listed above.
3. Find a suitable place on the roof of your vehicle to mount the sat-dome. The sat-dome's external cable connector must face towards the rear of the vehicle. The mounting place must be level and even. Mark the outline of the sat-dome's feet with a pencil.
4. Ensure that the underside of the mounting feet and the area of the roof where they will sit is clean and dry. If necessary, clean with a suitable cleaning agent. Methylated spirits works well on most surfaces and with adhesive / sealants such as Hodgson's Polyseal 40. If in doubt, test the surface first and consult the manufacturer of the sealant / adhesive.
5. It may be necessary to roughen the underside of the feet and the fixing area on the roof: follow the instructions that came with the adhesive / sealant and then apply it evenly to the underside of the mounting feet. The minimum thickness of the adhesive layer must be at least 2mm. Within 5 minutes of applying the adhesive, replace the sat-dome on the roof in the pre-selected position. Press the feet onto the roof and trim off any excess adhesive.
6. It is essential that you give the adhesive enough time to harden completely. The time this takes will vary according to the adhesive used and the ambient temperature and humidity. Always follow the instructions that come with the adhesive / sealant and, if you are in any doubt as to how it should be applied, seek professional advice.
7. We strongly advise screwing the mounting feet to the roof after the adhesive has been applied.
8. At this point you should remove the cover of the dome and cut the cable tie that holds the LNB arm in place during transit. Replace the cover with the six screws supplied. (Positions are provided for additional holes. These are for use if you want to replace the cover of a Mk1 or Mk2 Camos sat-dome.
9. Use the cable-entry box supplied to take the 10M cable from the sat-dome through the roof to the controller. Ensure that the cable is secure and cannot be caught by obstacles.
10. Install the controller in a convenient position inside the vehicle and connect the power supply provided to a reliable 12V source.
11. Connect the cable from the sat-dome to the connector marked **ANT** on the back of the controller and the short cable supplied to the connector marked **STB**. Connect the other end of that cable to your satellite receiver.
12. The installation is now complete and you can connect a TV to the receiver, turn everything on and use your sat-dome for the first time.

# BASIC OPERATION

The Camos sat-dome controller has 4 buttons and an LCD display and it's used to control all operational functions of the sat-dome. The controller is set for Astra 2 (south) when it is first delivered and other satellites can be chosen as required. Astra 2 is the satellite which carries all TV and radio channels intended for viewing and listening in the U.K.



Before attempting to operate the system, make sure that the controller is connected to a 12V / 24V power supply and that a suitable receiver is also connected. Make sure that the receiver is set to work with the same satellite that you want the sat-dome to find and that a TV or monitor is connected to the receiver and is switched to the appropriate "source".

## To switch the system on:

Press the big blue button on the right of the controller. The system will initialise itself and, after 10 seconds or so, the dish inside the dome will begin to move. After 30 - 60 seconds (it can take longer depending on how far the system is from where it was when it was last used), the last satellite which was located will be found. This will be Astra 2 (south) if the system is being used for the first time. Fine tuning will then be carried out and, shortly afterwards, a picture will appear on the TV or monitor.

## To turn the system off:

Press the big blue button on the right of the controller.

## Some of the screens you will see on the controller:

Auto Run  
Count. 10

10 second  
initialisation  
countdown  
sequence

Astra2 N  
28.2E

Select a satellite  
using the up / down  
buttons.  
This screen will not  
appear if you are not  
changing satellites.

SIGNAL  
DETECTED

Signal detected from  
satellite.

NIT  
DETECTED

Network Information  
Table detected. This  
confirms that the  
correct satellite has  
been found.

H/L POL.  
22K OFF

The system is  
working correctly  
and has locked on to  
the chosen satellite.

## To select a different satellite:

The controller enables you to select a number of satellites including: Astra 2, Astra 1, Hotbird, Astra 3, Eurobird 9, Turksat, Sirius 4.8 (Astra 4), Thor, Atlantic Bird 3, Hispasat.

To select a different satellite\*, press the **UP** or **DOWN** button on the controller during the 10 second countdown sequence. Use the same buttons to select the satellite you want and then press the button marked **SET** three times. The system will now search for that satellite and will return to the same satellite the next time you turn the system on after you have turned it off.

To select another satellite, press the blue button to turn the controller off and then turn it on again and repeat the procedure described above.

\*Make sure you've selected the same satellite on your receiver.

## GPS satellite alignment checking:

The Mk4 also has a GPS checking feature. Because you can't see the actual dish, it's sometimes difficult to be sure whether trees or buildings or even a pylon may be blocking the satellite signal. If the Mk4 sat-dome is unable to find the selected satellite after a normal search, turn the controller off and on again to perform a GPS check.

Using the exact co-ordinate data, the dish will go to precisely the correct position and adjust the skew to the correct angle as well. If you still don't get a picture on the screen, something is blocking the signal and it may be necessary to move your vehicle or boat to a different position.