

IMPORTANT GUIDELINES

Routing the Coaxial cable

Coaxial Cable is quite fragile and must be handled with care. Please comply with the following as failure to do so will severely affect performance.

- Should the coaxial plug be removed, it is very important that it is refitted correctly as described below.
- Do not crush, kink or over-bend the coaxial cable which has a minimum bend radius of 25mm.
- Any excess cable should be removed and **MUST NOT** be coiled.
- Avoid increasing the number of connections or breaks in the coaxial cable as they will reduce performance, especially in weak signal areas.
- Do not run coaxial cable next to mains cable, leave a minimum distance of 120mm to prevent interference.
- Do not allow the cable to come into contact with any hot surfaces as this could melt the air-spaced insulation of the cable.
- Keep away from fluorescent lighting.
- When installation the coaxial cable, Do not feed through by pulling on the coaxial plug.
- Do not add excessive lengths of coaxial cable, this will cause increased TV signal losses.
- Should the cable need to be lengthened, use only RF100 specification cable and high quality coaxial plugs and couplers which are available from our Vision Plus range through our dealers or directly from ourselves.

Connecting the Coaxial TV Plug

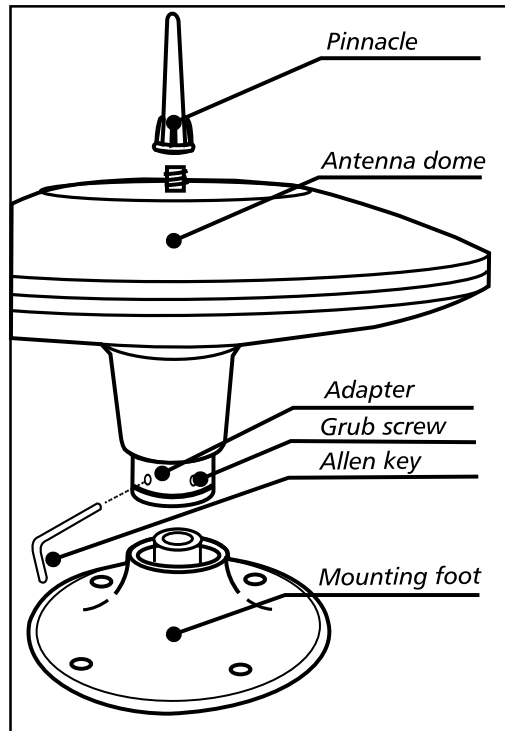
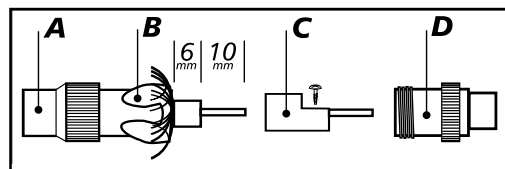
Should the coaxial plug need to be removed, please note how it comes apart and reassemble as follows:-

- Prepare the cable by removing 16mm of white outer sheath to expose the braided copper wire.
- Next, remove 10mm of the exposed braided copper wire and the central air-spaced insulation to expose the single central core.

- Feed the screw cap 'A' and the pronged clamp 'B' over the cable. Pull back evenly the copper braiding over the pronged clamp as shown below.

IMPORTANT – IT IS CRITICAL THAT NONE OF THE COPPER BRAIDING IS TOUCHING THE CENTRAL CORE.

- Push on item 'C' up to 'B' and secure the central core by tightening the small grub screw. Be careful not to over tighten, which could sever the wire.
- Screw 'A' and 'D' together to complete the assembly.



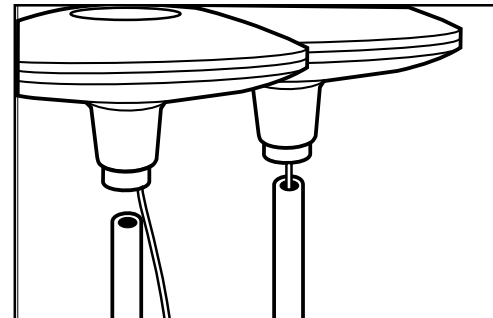
POLE FITTING

The Antenna Dome

- Remove the Mounting Foot from the Antenna Dome.
- The Adapter is now ready to accommodate any 25mm pole such as the Vision Plus Multi-Mast.
- The coaxial cable can be threaded down the centre or outside of the pole.
- If the cable is being fed down the outside please ensure that the top of the pole does not rub or cut the coaxial cable when being pushed into place.
- Once the pole is in place secure by tightening the two grub screws with the Allen key.

IMPORTANT – Status is not designed to be used in conjunction with a 'through-the-roof' pole kit.

Positioning the Antenna Dome - Please refer to Permanent Fitting, Positioning 2 & 3.



SUCTION-PAD FITTING

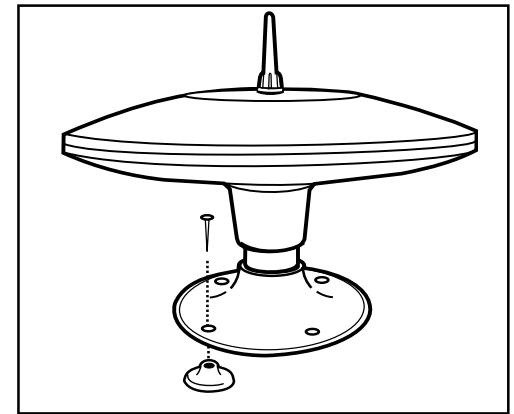
The Antenna Dome

- Remove the Mounting Foot from the Antenna Dome.
- Individually position each Suction Pad under the holes in the Mounting Foot and fix in place with the 16mm screws supplied. Repeat the process for the other three pads.
- Push the Antenna Dome into position, ensuring it is properly seated in the Mounting Foot. Secure by tightening the two grub screws with the Allen Key.

IMPORTANT – DO NOT TRAVEL WHEN USING THE SUCTION PAD FACILITY

Angle Adjustment - Please refer to Permanent Fitting

Positioning the Antenna Dome - Please refer to Permanent Fitting, Positioning 2 & 3.



The Power Pack

Positioning & Fixing

- Before positioning the Power Pack decide on the route the coaxial cable will take from the Antenna Dome to the Power Pack, such as through a window, roof light or a Vision Plus External TV Socket.
- If feeding through a window, roof light or External Socket position the Power Pack near to your TV position and secure with the two 45mm screws supplied.
- If using an External Socket, position the socket on the outside of your Caravan, Boat etc., close to your TV position on the inside. Shorten the coaxial cable attached to the External Socket to the correct length to reach the Power Pack and fit a Coaxial Plug.

Please refer to **PERMANENT FITTING** for the following:-

Wiring to a Power Supply - Connecting Up the System - FM Radio Connection - Operating the System - Removing the Pinnacle

PERMANENT FITTING

The Antenna Dome

Positioning

When positioning the Antenna Dome please allow for the following:-

- Place above a wardrobe or locker to provide a suitable location for the Power Pack below.
- Position as high as possible to ensure Status is not shielded from incoming signals.
- Do not place within one metre of any metal protrusions such as roof racks, metal flues, metal poles etc. as this may cause picture distortion.
- On a Caravan or Motorhome, mounting on the offside will reduce collision with overhead obstructions.

Fixing

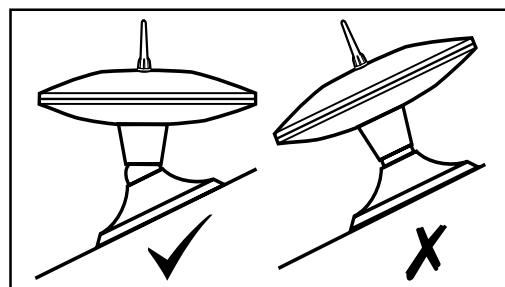
- Make a hole 15mm in diameter, large enough for the coaxial cable with plug fitted to be passed through, making sure there are no sharp edges that could cut or chafe the cable.
- Remove the Mounting Foot from the Antenna Dome. Turn the Mounting Foot upside down and with a SEALANT ADHESIVE fill the channel around the edge, including around the holes for the fixing screws.
IMPORTANT - The channel needs to be slightly over-filled to ensure a good contact.
- Place in position centrally over the drilled hole and secure with the four 16mm self tapping screws.
- Once the sealant has set, thread the coaxial cable through the roof, pulling through the cable as the antenna is lowered, making sure the cable does not snag, kink, chafe or become trapped.
- Push the Antenna Dome into position, ensuring it is properly seated in the Mounting Foot. Secure by tightening the two grub screws with the Allen Key.

Angle Adjustment.

Only relevant if you are mounting Status on a sloping surface. Level fixing is very important to ensure optimum performance.

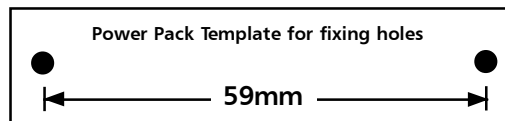
- To adjust the angle, remove the Antenna Dome from the Mounting Foot and turn the Antenna Dome upside down.
- With a screwdriver loosen the Central Bolt, adjust the Adapter to the desired angle and re-tighten the central bolt.

- Push the Antenna Dome into position, ensuring it is properly seated in the Mounting Foot. Secure by tightening the two grub screws with the Allen Key.



The Power Pack Positioning & Fixing

- Locate the Power Pack in the wardrobe or locker below the Antenna Dome where it is easily accessible and if possible close to the TV position.
- Fix in place using the two 12mm screws.



Wiring to Power Supply

- Status requires a 12-24 volt power supply from a fused auxiliary outlet fed from the battery. If wiring direct to a battery we recommend an in-line fuse (max 5 amp) on the positive wire. If unsure please consult with a qualified installer.

RED STRIPE +VE, BLACK -VE

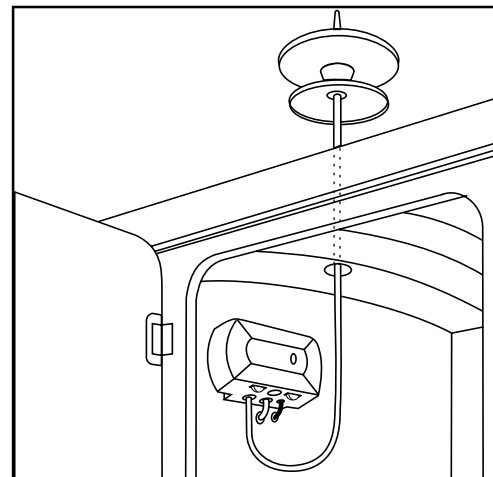
DO NOT connect into any other 12 volt power cables as they may carry electrical interference which will cause picture distortion.

Connecting Up the System

- Firstly, the cable from the Antenna Dome needs to be shortened to the required length to reach the Power Pack - **DO NOT COIL ANY EXCESS CABLE.**
- Trim the cable and refit the Coaxial Plug as described above, being very careful at this stage.
- Once fitted, plug into the 'ANT.IN' socket. **DO NOT** secure the cable with any staples or 'P' Clips as this may damage the cable, it is best left loose.
- Secondly, Status is supplied with a 2 metre lead to connect your TV to the Power Pack. Ideally the TV position in relation to the Power Pack will allow the TV lead to reach your TV.
- Alternatively, if your TV position is a greater distance, you will require a length of coaxial cable and two coaxial plugs, which are available from our Vision Plus Range through our dealers or directly from ourselves.

- Assemble the cable and plugs, as described on the Vision Plus packaging, and route the cable, from the TV position to the Power Pack. Please follow the **Important Guidelines** described above.

- Now, plug your TV lead into the 'TV-FM' socket of the Power Pack and into your TV antenna socket.



IMPORTANT – Whenever removing cables from the Power Pack, **DO NOT** pull the cable, only the plug.

FM Radio Connection

Status is designed to receive FM radio when connected to a car-style radio.

- This will require a coaxial car radio plug, a coaxial plug and a length of coaxial cable, which are available from our Vision Plus Range from our dealers or directly from ourselves.
- Assemble the cable and plugs, as described on the Vision Plus packaging, and route the cable from the Radio to the Power Pack. Please follow the **Important Guidelines** described above.

- Once the cable has been installed plug into the 'TV-FM' socket of the Power Pack and into your Radio.

Operating the System

- Switch ON the Power Pack and the red LED will illuminate.
- Check the gain control switch is set to the normal 'NML' position (switch UP). See Interference 2 over the page for use.
- Turn on your television set and tune in. This may be necessary at all new locations.

Removing the Antenna

A permanently fitted Status may be removed if there are severe height restrictions, leaving only the Mounting Foot in place.

- Unplug the antenna from the Power Pack. On the Adapter, loosen the two grub screws and lift off whilst carefully feeding out the coaxial cable with plug attached.
- Push the Blanking Cap supplied into place to cover the central hole.

Removing the Pinnacle

This may be necessary should you wish to reduce the overall height of the antenna by 90 mm.

- Simply unscrew the Pinnacle and remove. The antenna is designed to remain watertight without the Pinnacle.
- To replace, simply screw in and tighten **BY HAND.**

IMPORTANT - The Pinnacle is an integral part of the antenna and critical to its performance. When in use always ensure the Pinnacle is fitted.

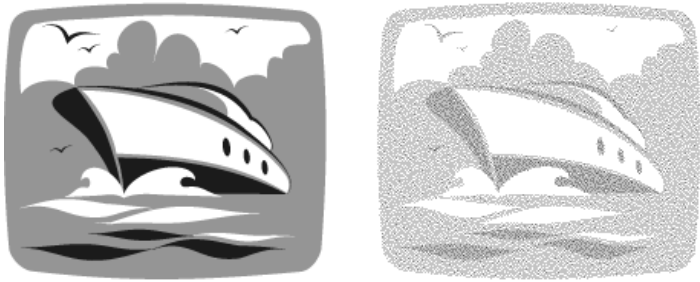
2 YEAR GUARANTEE

UPON PURCHASE, PLEASE CUT OUT THIS SECTION, COMPLETE THE DETAILS ON THE REVERSE SIDE AND POST TO:

GRADE UK LIMITED
Finch Close
Lenton Lane Industrial Estate
NOTTINGHAM NG7 2NN
U.K.

COMMON INTERFERENCE PROBLEMS & POSSIBLE REMEDIES

1. Weak TV Signal



This produces a 'Snowy' picture which can be caused if you are too far away from the TV transmitter, such as in a remote area, positioned in a valley, or if there is a building, hill or other obstruction blocking the signal.

Each TV transmitter has a defined service area where reception will be good. Beyond that boundary is a 'fringe' area where the TV signal will be weaker and the reception quality poorer.

Remedy

Firstly determine whether you are in a poor reception area. Secondly check the points covered in **Fault Finding**.

2. TV Signal too strong



This can produce severe picture distortion like a zig-zag style pattern. This can be caused when you are too close to a transmitter or picking up strong radio transmissions from another source such as CB radio. Also electrical interference can cause similar effects (see Interference 4 below).

Remedy

Turn the gain control switch on the Power Pack to 'LO'. Secondly check the points covered in **Fault Finding**.

3. Ghosting

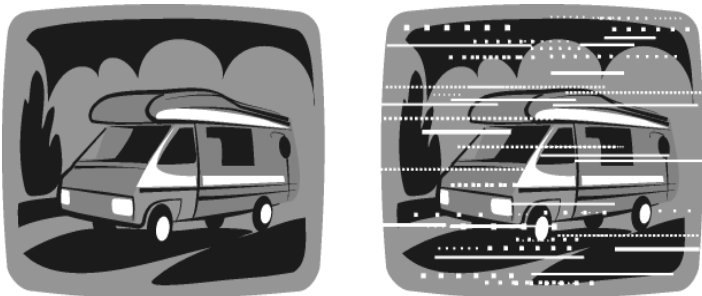


This is the type of picture you will see when the TV signal is reflected from something in your locality. The 'something' may be a local building or landmark. Your antenna is receiving both the direct signal and the reflected signal from the same transmitter.

Remedy

Try to move to a better position away from the obstruction. Unfortunately it may not always be possible to isolate Omni-Directional antennas from the cause of the problem.

4. Electrical Interference



The above pictures demonstrate a typical example of electrical interference. This type of interference is commonly caused by electrical appliances, such as fans, electric shavers, fluorescent lights. Other forms of interference can produce a zig-zag pattern similar to that described in Interference 2 which may be caused by inverters, charging units etc.

Remedy

Check the points covered in **Fault Finding**. In some instances, this type of interference can be overcome by switching off the relevant appliances.

✂

Serial Number _____ Purchase Date _____
 (located on reverse of Power Pack)

Dealer Name _____ Your Name _____

Address _____ Address _____

Postcode _____ Postcode _____

VISION PLUS
STATUS
315

OMNI-DIRECTIONAL TELEVISION & FM RADIO ANTENNA
Installation and Operation Guide

Please read these instructions carefully. Incorrect installation will affect the performance of your Status

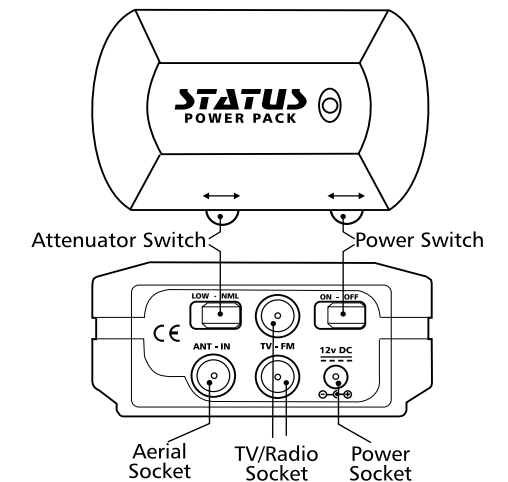
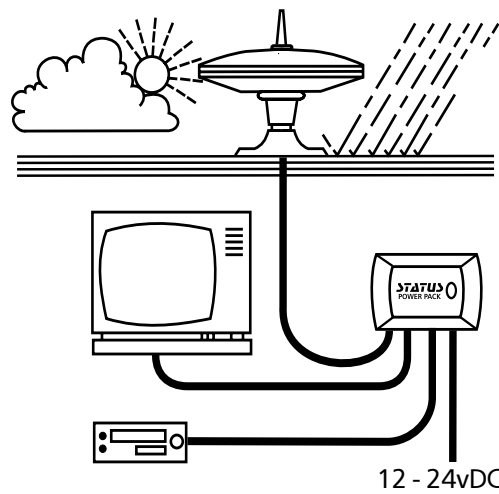
Dimensions:

Diameter - Antenna Dome	315 mm
Diameter - Mounting Foot	185 mm
Height - Overall	280 mm
Height - No Pinnacle	180 mm
Height - No Antenna Dome	50 mm
Power Pack	115 x 70 x 50 mm

* Gain figures must not be judged in isolation. A greater figure does not mean a better picture. Status is designed for optimum performance

04-2064/5 Model	5 metres Coaxial cable
04-2064/10 Model	10 metres Coaxial cable
Frequency Range	UHF 470-860 MHz
	VHF 40 -230 MHz
	FM 88 -108 MHz
Amplifier Gain	18 db*
Gain Adjustment	15 db
Flatness	±2 db
Noise Figure	3 db
Output Impedence	75 ohms
Output	98 dbuv
Power Supply	12-24 v DC
Power Consumption	35 ma
TV lead	2 metres

Conforms to the European Directive
 89/336/EEC



FAULT FINDING

The following are some of the key areas we suggest you check which generally solve the most common problems encountered with the operation of the Status antenna.

Coaxial Plugs

It is critical that all coaxial plugs in the system are fitted correctly. Using the diagram and procedure described over the page, please check each individual plug, ensuring it is wired correctly. Secondly please ensure only quality plugs have been used.

Coaxial Cable

Sharp bends, kinks and hot surfaces can easily damage coaxial cable and should be avoided. An inspection of the cable routing is recommended to ensure all is correct. Coaxial cable, if placed in close proximity to electrical cables, transformers or other pieces of electrical equipment, may pick up electrical interference causing picture quality to deteriorate, especially in poor reception areas. Excess cable should be removed and NOT coiled as this may cause picture distortion.

Pinnacle

The pinnacle is essential for the optimum performance of the antenna and therefore should be in place when the antenna is in use.

Gain Switch

Situated below the LED light on the Power Pack, this switch should be set to the normal 'NML' (switch UP) position for general use. The Low setting may be used when situated close to TV transmitters where strong signals may be affecting the quality of the picture. (see Interference2 below)

Red LED Light

Should the red LED on the Power Pack not light, first try unplugging the cable connected to the Antenna Dome from the 'ANT-IN' socket. If the LED then

illuminates the fault lies with either the coaxial plug or the coaxial cable, please refer to these areas described earlier.

If the LED is still not lit, please contact our office for further assistance.

Short Hook Up Test

This test isolates parts of your system leaving only the TV and the Status antenna linked directly together.

Firstly, unplug the coaxial plugs from the 'TV-FM' sockets of the Power Pack which will be connected to a TV outlet socket.

With your TV fly lead, connect your TV direct to the Power Pack, plugging into one of the 'TV-FM' sockets.

Ensure the antenna dome is plugged directly into the 'ANT-IN' socket of the Power Pack and switch on. Tune in your TV for the strongest signal.

If the picture quality is improved the fault lies with the wiring of the system between the Power Pack and the TV outlet socket.

Antenna Dome Coaxial Cable

Check the routing of the coaxial cable from the Antenna Dome to the Power Pack. Check to ensure there are no kinks or trapped cable or if there are loops of surplus cable which could be affecting performance.

When the Antenna Dome was originally fitted and lowered onto the Mounting Foot, cable may have been trapped or kinked under the Mounting Foot. To check, remove the Antenna Dome as described over the page to see if this has occurred.

Customer Help Line

Should you still be experiencing difficulties and require assistance, please do not hesitate to contact us at the address below.