

# VISION PLUS

## STATUS 355 Digital Antenna

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

### Technical:

04/2085/5/VP3 Model - Coaxial cable	5 metres	Frequency Range	UHF 470-790 MHz
04/2085/10/VP3 Model - Coaxial cable	10 metres		FM 88-108 MHz
Diameter - Antenna Dome	315mm	Amplifier Gain	15 db
Diameter - Mounting Foot	185mm	Gain Adjustment	0 to ≈15 db
Height Overall	180 mm	Flatness	±1.5 db
Height No Antenna Dome	50 mm	Noise Figure	<2.2 db
Power Amplifier	157 x 45 x 29mm	Output Impedance	75 ohms
		Signal Handling	80 dbuv
		Power Supply	10.8-28 vDC
		Power Consumption	55 ma
		Signal Outputs	3 TV, 1 Radio

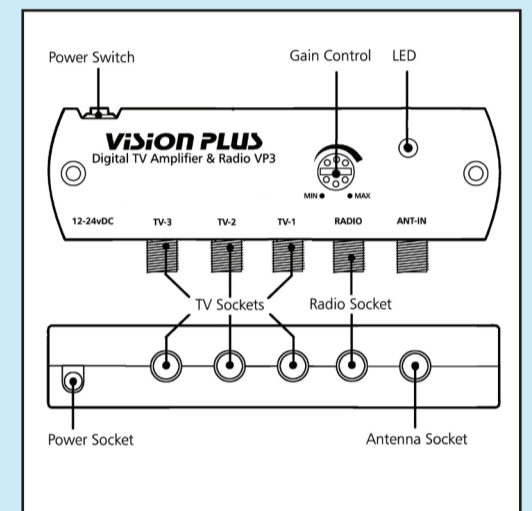
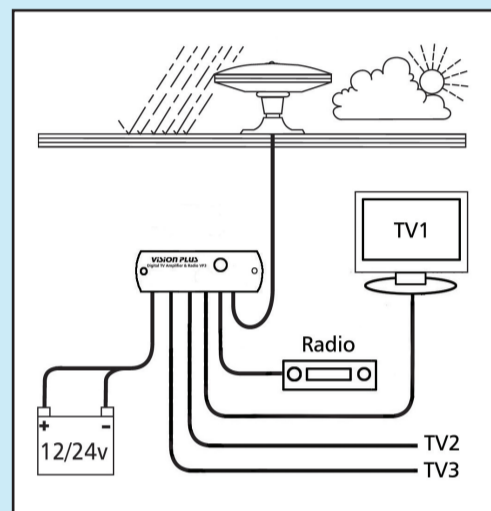


## VISION PLUS

...keeping you in the picture

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VISION PLUS is a trading name of Grade UK Limited



RETAIL VP3

### 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.

### 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 Connections

It is critical that all connections in the system are fitted correctly and 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. An inspection of the routing of the cable is highly recommended to ensure all is correct.

#### Gain Control

In normal use the button should be rotated clockwise for maximum gain. In strong signal areas the amplification can be reduced by rotating the button anti-clockwise until picture quality improves. The button rotates through 270 degrees from MAX to MIN.

#### LED Light

Should the LED on the Power Amplifier not light, firstly check there is power to the unit. Secondly check the polarity is correct. Otherwise contact ourselves for further assistance.

### Short Hook Up - Test 1

This test isolates the wiring from the Amplifier through to your TV/Radio points. Unplug the coaxial plugs from the 'TV' sockets of the Amplifier and using your TV fly lead with Converter 1 supplied. Connect your TV to the Amplifier.

Please ensure the Antenna Dome is plugged directly into the 'ANT-IN' socket of the Amplifier and switch on. Tune in your TV for the strongest signal.

If the picture quality improves the fault lies with the wiring of the system between the Amplifier and the TV outlet socket.

### Short Hook Up - Test 2

This test isolates the Amplifier by connecting your TV direct to the Antenna.

Unplug the Antenna from the Amplifier and connect Converter 2 supplied to the plug on the cable end. Using your TV Fly lead connect the antenna directly to your TV. Tune in your TV for the strongest signal.

If the picture quality improves, the fault lies with the Vision Plus Amplifier.

### Antenna Dome Coaxial Cable

Check the routing of the coaxial cable from the Antenna Dome to the Amplifier. 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.

### MAINTENANCE

#### Spares & Repairs

Should you require any parts for replacement or repairs please log on to [www.visionplus.co.uk](http://www.visionplus.co.uk) or contact ourselves on 0115 986 7151.

#### Three Year Guarantee

The Status antenna has a return to base guarantee against defective parts and workmanship for the three years from date of purchase. This does not include any malfunction resulting from improper use, accidental or malicious damage. To support your guarantee claim a dated Proof of Purchase will be required.

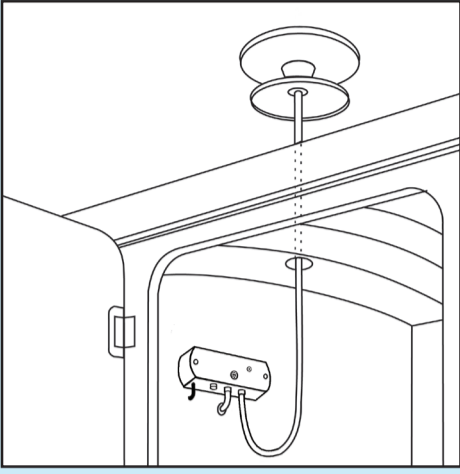
This does not affect your statutory rights. Any queries concerning warranty please contact ourselves.

Signal	Symptom	Action
Very Poor	No picture or sound, TV freezing, severe pixilation, break up and picture drop out	Check the amplifier gain is set to Maximum. Bypass the amplifier by connecting your antenna directly to your TV to confirm that the amplifier is operational.
Poor	Moderate pixilation and sound distortion	
Medium	Minor pixilation, will not receive all channels	
Good	Stable picture, good sound quality, will receive all channels	N / A
Strong	Moderate pixilation, picture break up and drop out	Reduce the amplifier gain (rotate anti-clockwise).
Very Strong	No picture or sound, TV freezing, severe pixilation, break up and picture drop out	Bypass the amplifier by connecting your antenna to your TV.

After performing any of the 'Actions' above you must re-tune your TV

## INSTALLATION

### The Antenna Dome



#### Positioning

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

1. Place above a wardrobe or locker to provide a suitable location for the Power Amplifier below.
2. Position as high as possible to ensure Status is not shielded from incoming signals.
3. 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.
4. On a Caravan or Motorhome mounting on the offside will reduce collision with overhead obstructions.

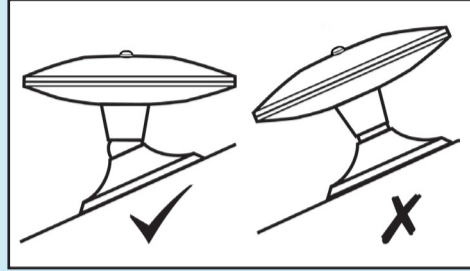
#### Fixing

1. 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.
2. 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.

3. Place in position centrally over the drilled hole and secure with the four 16mm self tapping screws.
4. 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.
5. 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.

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

#### Positioning & Fixing

1. Locate the Power Amplifier in the wardrobe or locker below the Antenna Dome where it is easily accessible and where possible close to the TV position.
2. Fix in place using the two 38mm screws

#### Wiring to Power Supply

1. 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 the Antenna

1. Shorten the cable from the Antenna Dome to the required length to reach the Power Amplifier - DO NOT COIL ANY EXCESS CABLE.
2. Trim the cable and refit the F-Connector as described in this guide.
3. Once fitted, connect the Antenna to the 'ANT.IN' socket.

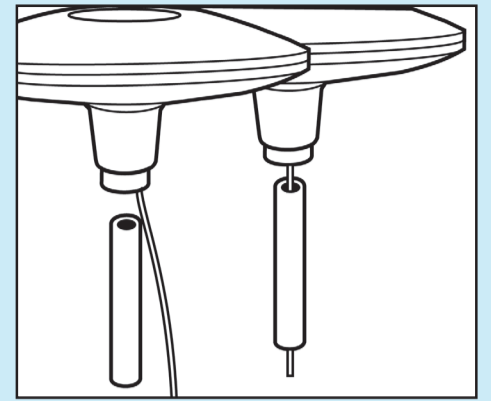
DO NOT secure the cable with any staples or 'P' Clips as this may damage the cable, it is best left loose.

#### Connecting to your Television

To connect to your television you will need to run a cable to your TV position to the Power Amplifier. There are many options available dependant on your particular installation. You may well require additional cable, connectors, plugs or sockets which are available from ourselves or through your local dealer.

Whenever routing the cable or fitting connectors please follow our Important Guideline below.

### Pole Fitting



1. Remove the Mounting Foot from the Antenna Dome.
2. The Adapter is now ready to accommodate any 25mm pole, such as those in the Vision Plus Range.
3. The coaxial cable can be threaded down the centre or outside of the pole.
4. 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.
5. 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.

### Removing the Antenna

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

1. Disconnect the Antenna from the Power Amplifier. On the Adapter loosen the two grub screws with the Allen key and lift off whilst carefully feeding out the coaxial cable with plug attached.
2. Push the Blanking Cap supplied into place to cover the central hole.

### Operating the System

1. Switch ON the Power Amplifier and the blue LED will illuminate.
2. Check the gain control switch is set to maximum by rotating clockwise.
3. Turn on your television set and tune in. This may be necessary at all new locations.

#### FM Radio Connection

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

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

