



Model HS18NGRFBKIT

Installation Instructions for 18"x 20" Multifeed Antennas

1 SAFETY FIRST!

BE CAREFUL working on your satellite antenna. WATCH FOR POWER LINES. Caution is the first rule as tools, ladders and even the dish can conduct electricity if they come in contact with power lines, this can be FATAL. A fall from the roof or off of a ladder can be just as dangerous, therefore; you MUST be aware of dangerous conditions like wind, wet surfaces, snow and ice. If you are not competent or comfortable working with tools at the heights necessary to reach your dish, refer this installation to a professional installer.

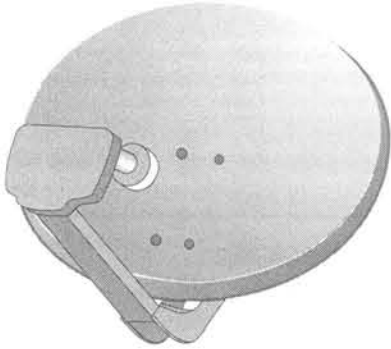
-BE CAREFUL-

2 Installation Temperature Considerations

For your HotShot® heating element to develop maximum adhesion it is necessary for the antenna to be at a dry surface temperature of **AT LEAST 50°F (10°C)**.

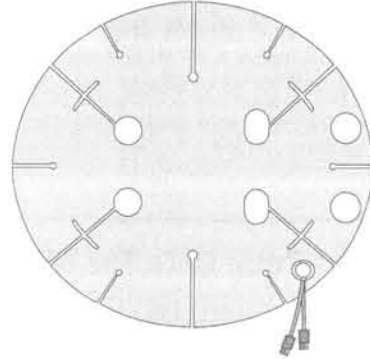
Do not attempt to climb ladders or walk on your roof if freezing or wet conditions exist. Wait until it is safe to work on your antenna. Outside temperature can affect adhesion only at the time of initial installation and is no factor thereafter.

3 Your Antenna Should Look Like This



This sheet of instructions apply to antennas that look similar to this illustration. The antenna has multiple feeds and is slightly wider than it is tall. The HotShot heating element is exactly the same for all the 18 x 20" antennas, only the method and orientation of mounting the heating element changes.

4 Orientation of the HotShot®



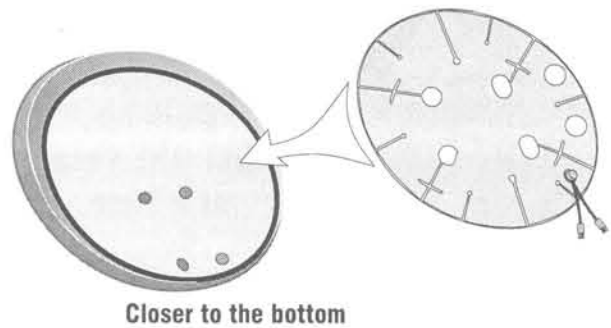
The HotShot will be oriented for attachment as shown. The electrical connections plugs should be positioned at the bottom of the blanket. The additional cutout holes are utilized for bolt clearance on other antennas, the holes serve no purpose on this particular installation and do not interfere with the HotShot performance.

5 Clean the Face of the Reflector



Clean the surface on the face of the antenna with any household de-greaser like "409" brand or "Fantastic". Make sure the surface is clean of all dirt or oil. Do not touch the cleaned surface with your hands.

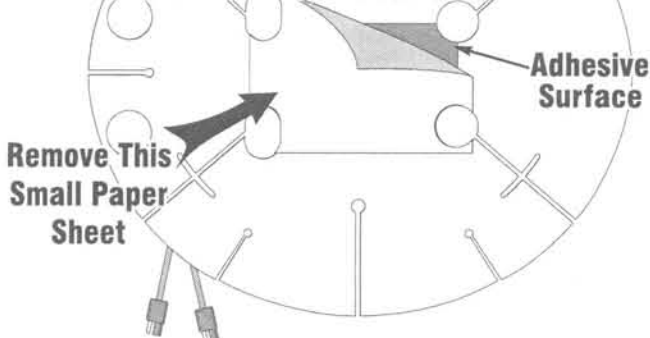
6 Planned Positioning of The HotShot



Closer to the bottom

Have in mind the position the HotShot will occupy once it is installed. We recommend that you orient it just slightly toward the bottom of the reflector to avoid snow buildup around the lower portion of the antenna.

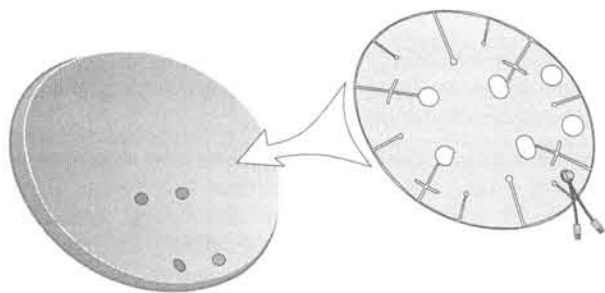
7 Remove The Center Backing Sheet From Rear of HotShot



Remove the paper backing sheet from the CENTER of the HotShot heater. This will expose the heating coils and the adhesive surface in the middle of the heater.

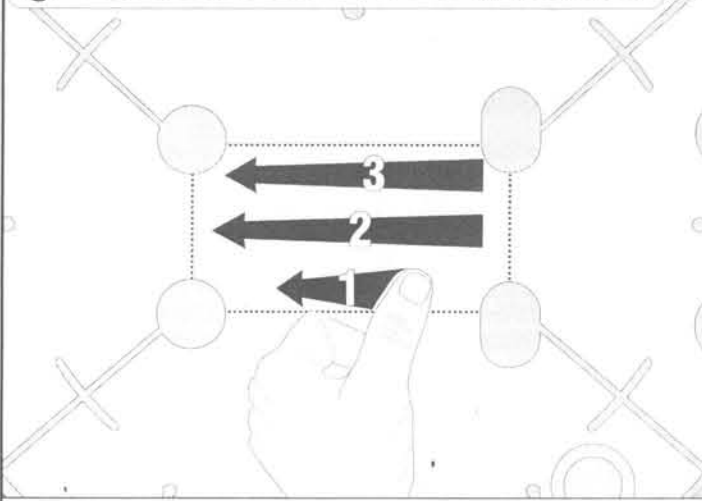
Do Not remove any other protective sheets until you have centered and attached the heater to your dish.

8 Position the HotShot



Place the HotShot on the surface of your dish (position determined by step #6) and lightly press the exposed center section adhesive down onto the reflector. Go to step #9 for the completion of the attachment procedure.

9 Press Down The Center of the HotShot

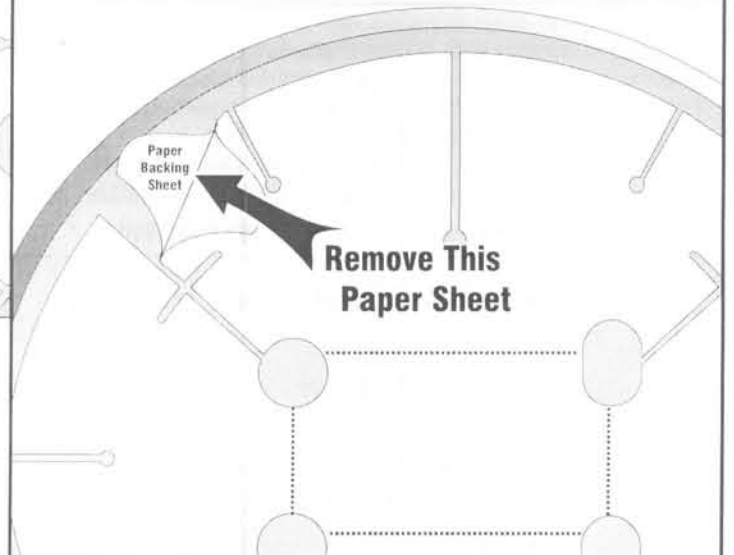


When the HotShot is in the proper position press the exposed adhesive surface down onto your dish.

Smooth and remove air bubbles by pressing as shown. TAKE YOUR TIME with this procedure. Do not remove any other paper sheets until this center section is pressed into place.

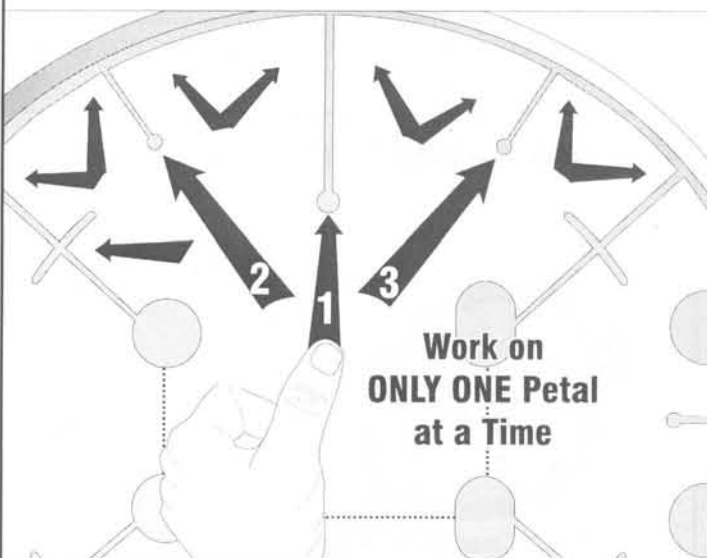
10 Remove The Paper Backing From ONE Petal

Remove the protective paper from the back of ONE petal exposing the adhesive. Hold the petal up off the dish and continue on to Step #11.



11 Press The Petal Onto The Dish

Smoothly press the petal into position and remove air pockets by following the pattern shown below. Press the center of the petal down and then radiate outward to the edges. Attach all three remaining petals down onto the dish surface in the same fashion.



12 Wiring Hook-up

Wiring is simple and fast. We suggest you run the wire (100 feet supplied with the HotShot) from the antenna site inside to the power supply location as the plug end would require rather large access holes for passage through walls etc. The cable assembly may be cut shorter if required.



Connect the HotShot power supply plug to the plug marked "To 24 Vac Power Supply". Connect the opposite end of the wire bundle (exposed wire ends) to the power supply, inserting the wire end and releasing the tab. Polarity is not important as the power supplied to the HotShot is alternating current and has no "positive" or "negative" side.

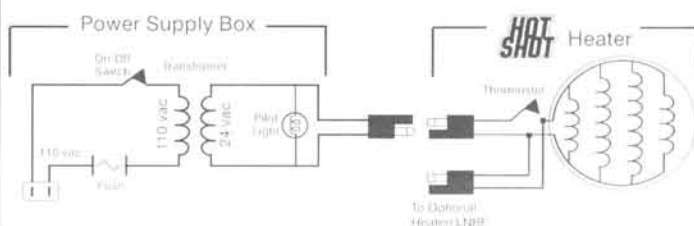
Connecting The Optional Heated LNBF

If you have an optional heated LNBF, connect the pigtail plug from the LNBF into the SnowGuard plug marked "To Optional Heated LNBF".

How The HotShot SnowGuard Works

The HotShot has a thermostat inside the round cylindrical housing on the face of the heating element. When the temperature outside approaches freezing, the thermostat activates the heater. As the temperature of your antenna warms above freezing the thermostat detects the change and turns the heater off.

Since the SnowGuard is very efficient and operates on just pennies a day, we recommend that the power supply be turned on and left on through the winter season. Your SnowGuard will only consume electricity when snow conditions exist.



Warranty

PERFECT 10, INC. warrants this product to be free from defects in materials and workmanship under normal use and service. If our examination reveals to our satisfaction that the part in question is defective, we agree to repair or replace it after the unit is returned to us, prepaid, with proof of purchase. This warranty does not cover any costs associated with the removal or replacement of the part(s) in question, the labor to package parts for shipment or the freight charges incurred to and from the factory. Paint finish or appearance is not covered by this warranty.

The HotShot electrical components consisting of the heating element, thermostat and power supply have a **one year** repair or replacement warranty. Removal labor or reinstallation labor is not included.

This warranty shall not apply to any product which has been repaired or altered in any way so as, in our judgement, to affect its structural integrity or durability; nor shall it cover any damage due to misuse, negligence, improper installation, or failure of any supporting structure not supplied by this manufacturer. This limited warranty does not cover products which have been impaired or damaged due to severe weather conditions such as, but not limited to, excessive wind, ice, storms, lightning, or any other natural occurrences over which PERFECT 10, Inc. has no control.

This warranty is in lieu of all other guarantees expressed or implied. We neither assume nor authorize any representative or any person(s) to assume any other liability or assurance in connection with our product. Non-compliance with any part of this claim procedure or improper registration of the product with PERFECT 10, Inc., at the time of its original installation may invalidate this warranty in whole or in part.