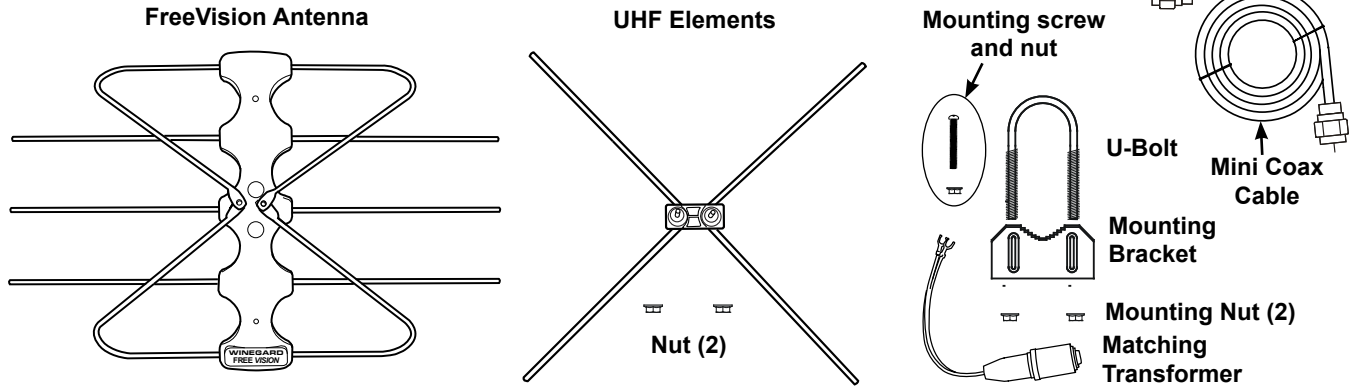


# WINEGARD® Model FV-HD30 FreeVision Antenna

Made in USA (Designed for use with U.S. DTV frequencies).

## Parts List



## Antenna Assembly

Start by placing the FreeVision antenna on a flat surface so that the molded "Winegard FreeVision" Logo on the front of the unit is facing up, Figure 1.

Lift the forward elements up until the holes in the elements line up.

With the holes lined up, install the UHF element by inserting the threaded posts into the holes in the forward elements. The threaded posts should extend down towards the body of the FreeVision antenna.

Thread the supplied nuts on the back of the threaded posts. DO NOT tighten at this time.

Thread the coax cable through the body of the FreeVision antenna and connect it to the matching transformer. See Figure 2.

For an **indoor** installation, use the 6' long mini coax cable (provided).

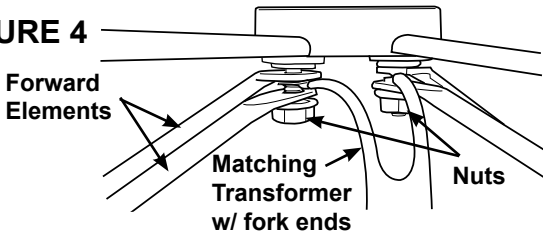
For an **outdoor** installation, connect the cable that will run from the antenna into the building.

Remove and dispose of the rubber boot on the matching transformer before installing the matching transformer in the body of the FreeVision antenna as shown in Figures 2 and 3.

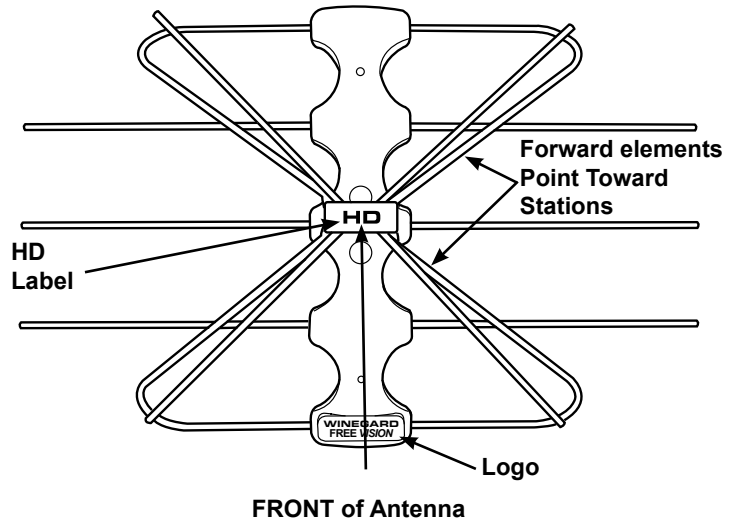
Once the matching transformer is installed into the body of the FreeVision antenna, slide one of the forks of the matching transformer between the two forward elements on the threaded post. Repeat this process for the other post. See Figure 4.

Tighten the nuts making sure the matching transformer is still connected.

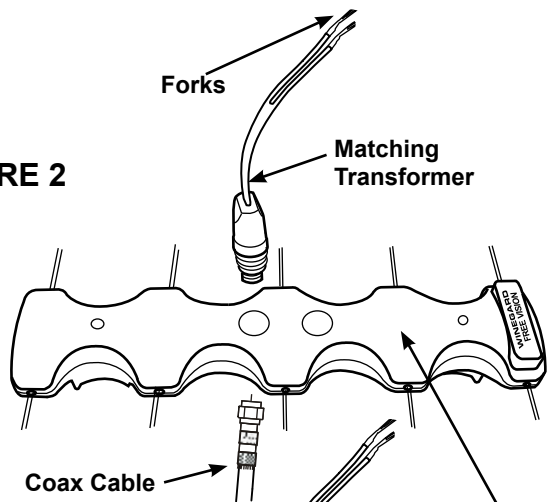
**FIGURE 4**



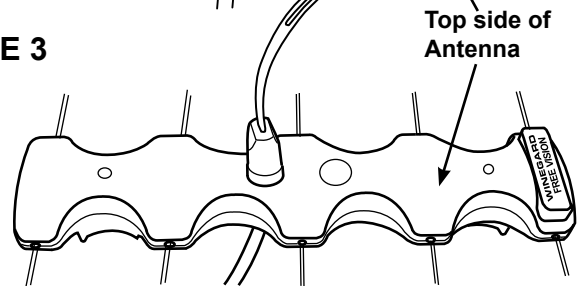
**FIGURE 1**



**FIGURE 2**



**FIGURE 3**



Remove and dispose of the rubber boot on the matching transformer.

## Mounting the antenna:

### Location Selection:

The FreeVision antenna is intended as either an indoor or an outdoor antenna. However it is important to mention that all antennas perform at their maximum outdoors. In most cases you will lose as much as half of your signal by installing the antenna indoors.

Before deciding on a location for the FreeVision antenna, determine which channels you want to receive and where they are coming from. This will help you determine the best location and direction to aim the FreeVision antenna.

There are a couple of sources for this information.

Online: [www.antennaweb.org](http://www.antennaweb.org) or [www.tvfool.com](http://www.tvfool.com) or [www.antennapoint.com](http://www.antennapoint.com)

If you do not have internet access, contact Winegard support at 800-788-4417.

Each of these sites have a feature that allows you to enter your address and get a listing of likely channels available in your area, including a listing of the compass heading for each station's tower.

For most locations, stations will only come from one or two directions. If the compass headings are similar (less than 30 degrees apart), the FreeVision can be aimed between the two areas and receive signals from each location.

The FreeVision antenna has an approximate range of 30 miles when installed outside. Any station outside this range is less likely to be picked up by the antenna. This range is reduced by any obstructions (such as buildings, trees or hills) between the antenna and the broadcast tower. This is true with any antenna.

Distance, obstructions and compass heading all play a role in deciding on a location to permanently mount the antenna. For this reason, it may be necessary to try the antenna in several locations, checking signal on multiple channels to determine the location that will provide the best signal. Moving the antenna three feet in one direction is often enough to change the reception.

When mounting the antenna indoors, keep azimuth in mind and try to mount the antenna so that it can look out a window on the wall facing the broadcast tower.

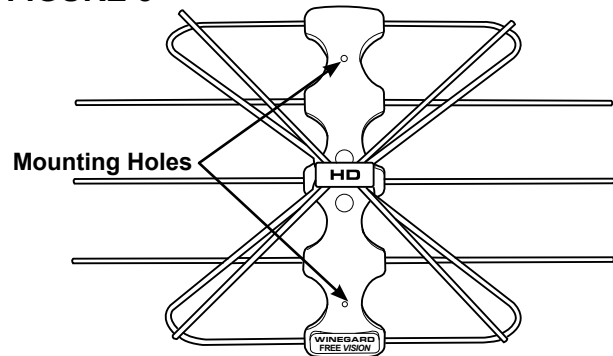
Finally, select a location approximately 3 feet away from other electronic devices. Electronics, including the television itself, can interfere with the reception of the antenna.

### Mounting Options:

The FreeVision antenna is designed to be mounted either of two ways:

**Wall Mounting** - The FreeVision has been designed with holes to allow it to hang on a wall from a nail. See Figure 5.

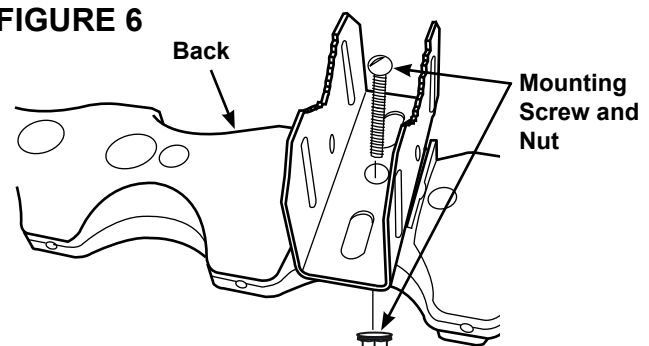
**FIGURE 5**



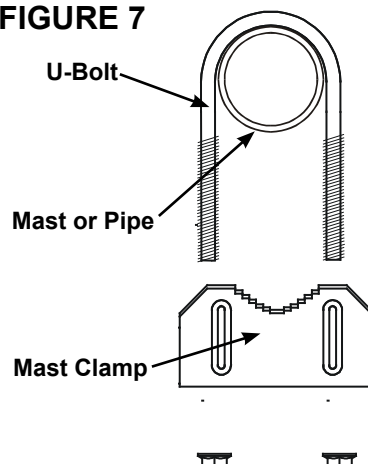
**Mast Mounting** - The FreeVision antenna comes with a bracket and U-bolt to allow for mounting to a pipe or mast. To use a pipe or mast for mounting the antenna, first attach the mast clamp to the FreeVision antenna. On the back of the antenna, thread the nut onto the screw holding the mast clamp to the FreeVision antenna and tighten it as shown in Figure 6 below.

Once the clamp is attached, assemble the U-bolt around the mast or pipe as shown in Figure 7 and install the nuts securely to keep the antenna in place.

**FIGURE 6**



**FIGURE 7**



**Attach the ‘HD’ label:**

Remove the backing from the ‘HD’ label and carefully place the label over the front of the UHF element so that it covers the center block of the elements. See Figure 8.



**FIGURE 8**

**Getting the most out of the antenna:**

The signal that you receive at the antenna is all the signal the system will ever have. Amplifiers can only keep you from losing this signal as it runs to one or more televisions. This is the reason that mounting location and direction is so important.

An amplifier may be required if:

The cable between the antenna and the television is longer than 50 feet.

More than one television is connected to the antenna.

In these cases, contact your antenna dealer or Winegard for the best amplifier for your application.

**Troubleshooting:**

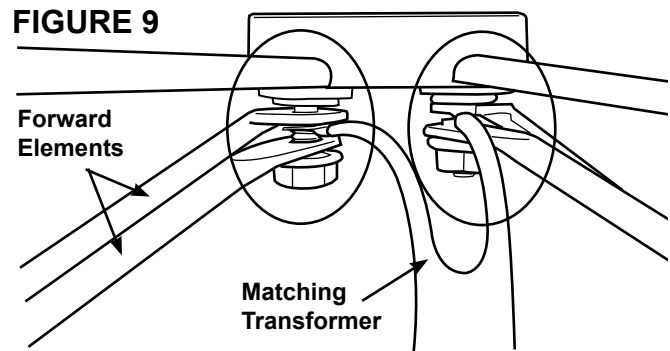
**Issue:**

**Painting the FreeVision antenna:**

The FreeVision can be painted as long as the metal prongs of the forward elements and the matching transformer forks are not painted. See Figure 9. **Your antenna will not work if these areas are painted.**

If you choose to paint the antenna, cover the two circled areas with tape before painting.

You will also want to use a primer when painting the antenna or the paint will easily flake.



**FIGURE 9**

**Possible cause:**

<p>Static or snow in the picture.</p>	<p>Digital Television is all or nothing. This means that the picture is either great or there isn't one. Static means there is interference between the digital tuner and the television screen. If you have a digital converter, one of the connections or the cable between the converter and television may be bad.</p>
<p>Not getting channels.</p>	<p>Several things can cause this:</p> <ul style="list-style-type: none"> <li>- Try running a new channel scan on the TV or converter box.</li> <li>- A faulty connection between the antenna and the TV or converter box.</li> <li>- The matching transformer may have come loose from the antenna.</li> <li>- Try the antenna in a different location. There could be something obstructing the signal.</li> </ul>
<p>One Channel is missing</p>	<p>Try turning the antenna 10 or 20 degrees in either direction to avoid reflections or better peak on the signal.</p>
<p>The picture or sound freezes while I am watching a channel or there are boxes in the picture.</p>	<p>This is often caused by a weak or intermittent signal. Try moving the antenna to a better location or aiming it directly at the tower for this channel.</p>

## **90 DAY LIMITED WARRANTY**

Winegard Company warrants this Winegard product against any defects in materials or workmanship within 90 (ninety) days from date of purchase. No warranty claim will be honored unless at the time the claim is made, you present proof of purchase to an authorized Winegard dealer (if unknown, please contact Winegard Company, 3000 Kirkwood Street, Burlington, IA 52601-2000, Telephone 800-288-8094).

Winegard Company (at its option) will either repair or replace the defective product at no charge to you. This warranty covers parts, but does not cover any costs incurred in removal, shipping or reinstallation of the product. This limited warranty does not apply if the product is damaged, deteriorates, malfunctions or fails from: misuse, improper installation, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain.

The 90 Day Warranty is provided on the condition that the equipment is properly delivered with all handling and freight charges prepaid to your Winegard dealer for return to our factory for repair or replacement. Winegard dealers will arrange for the replacement or repair and return to you without charge the product which failed due to defective material or workmanship.

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This warranty gives you specific legal rights and you may also have other rights which vary from state to state.