

# PICTURE FRAME HDTV ANTENNA PF-7

Congratulations! your Terrestrial Digital antenna will provide the best possible HD picture quality (Yes, even better than cable or satellite). Here are a few simple tips to make the installation as simple as possible and optimize the performance of your new antenna.



Your new antenna will provide the local/over the air (OTA) Digital TV stations. This antenna will not provide cable channels. There are currently 3 ways to decode your local DTV stations utilizing the antenna:

1. An HDTV with a built in digital tuner. Most TVs sold after 2007 will have these built in.
2. An over the air digital tuner. If the owner's manual does not specifically state a digital tuner is included, you will need a set top box (ATSC tuner).
3. An HD satellite tuner. Dish Network and DirecTV offer HD receivers with over the air digital tuners built.

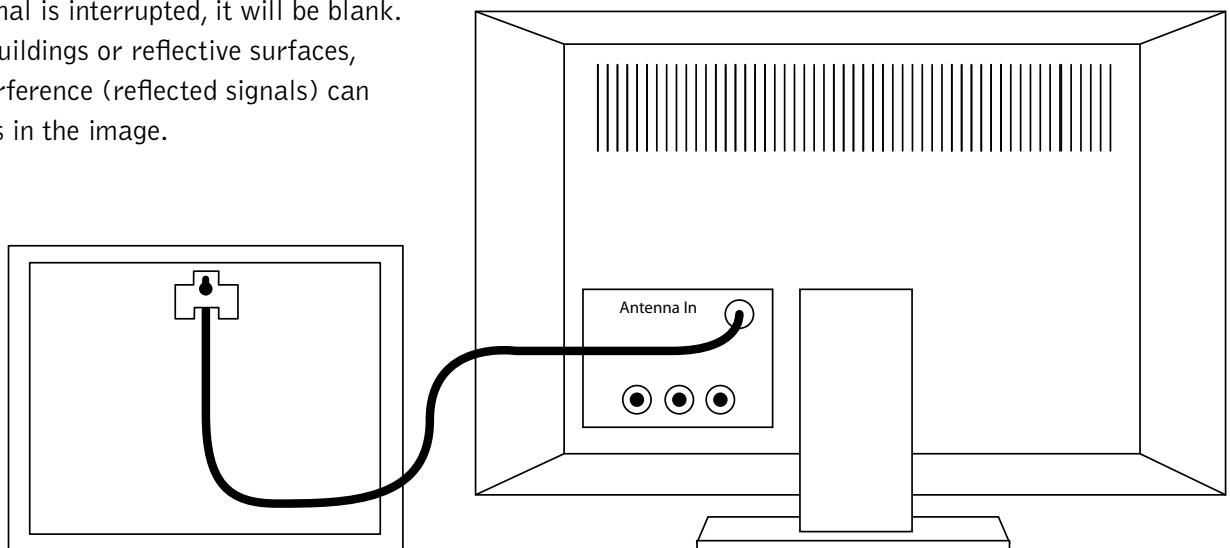
**Please note that that once the antenna is mounted and plugged into the appropriate source on your Digital TV (DTV) or Digital Tuner, you will need to perform a channel scan. If the antenna is moved, the channel scan must be performed again.**

## Installation Tips

1. Once the antenna is mounted and the cable is connected , run the cable to your digital tuner, HD satellite receiver or digital TV (The shorter the better)
2. Perform the channel scan. (Please consult your TV manual for instructions.)

Note: With digital television, it's an "all or nothing" proposition. On a digital channel you will never see "snow" or "fuzz" If you see "snow" then you are tuned to an analogue broadcast. Once a digital signal is acquired, it will be perfect. If that signal is interrupted, it will be blank.

In areas with buildings or reflective surfaces, multi-path interference (reflected signals) can cause drop outs in the image.



## Trouble Shooting Tips

### Short, simple cable runs are best

If your signal is weak, check the length of your cable run and remove any splitters or diplexers. If you use a splitter, you may want to consider a pre-amplifier.

### Higher is better

DTV signals are line of sight. Be sure to clear any obstacles in between you and the transmitting towers. Often, experimentation with antenna location resolves a problem. Keep the antenna away from any metallic objects.

### DTV tuners can fail

There may be issues with your digital tuner. Faulty decoding chips or bad firmware can affect sensitivity making it difficult to tune digital stations.

### Reflected signals (Multi-path interference) are often a source of problems

For those living close to transmitting towers, multi-path interference occurs when strong signals bounce off nearby buildings and other surfaces causing signal dropouts. An attenuator can allow users to dial down the signal to reduce problems associated with this multi-path interference.

### Common causes of signal loss: (approximate)

- Long cable runs - 30% loss for every 100ft of RG6
- Satellite Diplexers -10%-50% loss
- Splitters - 50% loss per port
- Corroded connections - 20% -90% loss



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