

# Four VHF DTV Reception Solutions You Should Know About

VHF DTV (Very High-Frequency Digital TV) symbolizes getting a clear picture or nothing at all. Given this, it's quite challenging to solve reception problems. There are various types of antenna models that can be a factor when finding solutions to reception problems. We can walk you through solutions to some of the most common issues when troubleshooting reception.

## Indoor VHF Antennas

There are various reasons why the indoor antenna can't air your favorite stations, wherein low gain antennas and noise are the most common. Rabbit Ear Dipoles is a mix of two different dipoles and are not designed to get wet, and the internals will corrode easily, making it a low gain antenna that often cause reception problems. In terms of noise, it can be coming from electronic devices and appliances in your house. Energy-efficient compact fluorescent lamps are also considered as noise contributors alongwith video displays.

In order to improve your reception, it's best to check if the antenna you're using is the perfect one for your location and needs. Choosing a better antenna such as Winegard's Indoor Antenna Model SS-3000 can help improve your reception and VHF performance along with options including amplified gain. In addition, it also offers directionality that can help reduce noise pickup. The choice of antenna is crucial in achieving the best possible reception. It doesn't have to be the same model as mentioned, but, you can go for indoor antennas that come with amplifiers.

Furthermore, digital reception may be difficult for indoor antennas due to noise. With this, it's ideal that you identify the cause of interference (metal or electronic devices for example), and reorient your antenna to get better reception. Move the antenna away from the objects that cause noise including compact fluorescent lamps so that the ability to receive a DTV signal will not be affected.

## Outdoor Options For VHF Antennas

With a TV antenna you can get up to 20 channels that are for free over the airwaves. In some cases, you can get more. When an outdoor antenna is used, there's a discrepancy between VHF and UHF stations drops. Low frequency VHF signals feature a relatively long wavelength, while high frequency UHF wavelengths are much shorter. That being said, less disruption from obstacles occur in VHF channels.

Moreover, an antenna coax or the phasing harness on a bow-tie array can receive better reception results as the vertically polarized component since VHF stations transmit circular

polarization of an electromagnetic wave. With the fast transition to digital TV, high-band VHF are now available through new reliable antennas such as CM2016 which is ideal for suburban areas. This outdoor antenna model provides solid reception with or without the Titan 2 preamp. Another option would be Winegard's SS-1000 that is also equipped with Titan 2 preamp.

If you are living in rural areas, you'll need a bigger multiband antennas to get better reception.

## DIY VHF Antennas

Yep, some people choose to build their own antennas to achieve DTV reception. There are forums that support those who prefer Do-It-Yourself antennas such as the Over-The-Air Digital Television/Antenna Research and Development sub-forum at [www.digitalhome.ca](http://www.digitalhome.ca). In this forum, there are certain groups that provide tips and solutions to those who are building a VHF version of the Gray Hoverman antenna.

People have different ideas and concepts about DIY Gray-Hoverman VHF fractal antenna. As such, you can find a lot of options on the internet as well - not just from forums, but also from people's blogs. You can also find images of how it's all set up and what are the solutions to get the best possible reception.

## Vintage VHF Antennas

For some reasons, some people still use vintage VHF antennas. In fact, there's a website where vintage TV aficionados are sharing ideas and insights about antennas manufactured between 1950–1960. If you have vintage antenna, you might want to take a look at 1 kW "high power" transmitter for better reception quality. You can find this item online and in other stores, although it's quite challenging to find one in stores. It's a lot bigger compared to those transmitters available on the market nowadays.

## In A Nutshell

Choosing the right antenna for your house is the most important decision you'll make if you want to achieve the best possible reception. Within 20 miles of the broadcast tower, most indoor omnidirectional antennas provide good reception. If you are having issues with reception, consider getting an amplifier and relocate your antenna. It's best to keep it away from metal and other obstacles.