THE PARABOLIC ANTENNA

How Does the Parabolic Dish Antenna Work?

A parabolic dish antenna works by reflecting and focusing radio waves onto a single point, known as the focal point.

The shape of the parabolic dish allows the waves to be reflected in a specific direction, increasing the antenna's gain and directing the signal towards a specific target.

The Purpose of a Parabolic Antenna

Parabolic antennas are commonly used in satellite dishes, wireless communication systems, radar systems, and radio telescopes.

What are Parabolic Dish Antenna Made Of, and The Disadvantages of Parabolic Antennas?

Parabolic dish antennas are made of metal or other reflective materials, with aluminium being a common choice due to its lightweight and reflective properties. Other metals such as steel or copper can also be used. The dish reflector is typically coated with a layer of paint to extend its service life. Size and weight: Parabolic antennas can be quite large and heavy, especially for higher frequencies. This can make them difficult to install and transport, and Cost: Parabolic antennas can be expensive to manufacture and purchase, especially for larger sizes and higher frequencies.

LGGA-Kopfstation auf Sücka (Triesenberg) für TV- und Satellitenprogramme