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Extend Your Wi-Fi Range With a Parabolic Reflector You can create a simple add-on for your router's antenna that will boost and focus the wireless signal.

Making a parabolic reflector is certainly cheaper than buying a Wi-Fi extender from a vendor. I only had to buy business card stock paper ($9.99), aluminum foil ($2.00), and an X-Acto knife ($2.00).

This parabolic reflector antenna, made with cardboard and foil, can increase your wireless reception by 6dB. The performance of this reflector is comparable many commercially produced antennas. How to make: Download Template or another reflector template design :parabolreflector_en.pdf; Open in a graphic app and resize as desired.

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The wide frequency range also makes it ideal for use at 900 MHz and 2.4 GHz for Wireless Video applications and WiFi. Parabolic Antenna Grid Metal Reflector. It features a die-cast aluminum reflector grid that is corrosion resistant and mounted on the rear of the antenna. The grid improves the Gain, Front to Back Ratio and Return Loss.

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Parabolic WiFi Signal Deflectors: This is a really simple one for directing your routers wifi signal to where ever you want. Its basically installing a parabolic reflector to your routers antennas. Now, even though 802.11 signal will pass through a piece of sheet metal, the majority…

Parabolic Reflectors are Microwave antennas. For better understanding of these antennas, the concept of parabolic reflector has to be discussed. Frequency Range. The frequency range used for the application of Parabolic reflector antennas is above 1MHz.These antennas are widely used for radio and wireless applications.

Drawbacks or disadvantages of Parabolic Reflector Antenna. Following are the disadvantages of Parabolic Reflector Antenna: Feed antenna and reflector disc block certain amount of radiation from the main parabolic reflector antenna. This is about 1 to 2%. The design of parabolic reflector is a complex process.

DIY Parabolic Reflector (DIY WiFi Signal Booster System) A DIY WiFi booster can be as simple as a piece of aluminum foil and a bowl, through to making your own cantenna from a can. Even a novice can boost a wireless signal using these four methods to make your own WiFi signal booster.

The reflecting properties of a parabola make parabolic reflectors useful in many practical applications. For example, flashlights use parabolic reflectors to reflect light from the bulb forward in a concentrated beam, and some solar collectors use a parabolic reflector to concentrate the sun's rays to heat water or generate electricity (see Figure 3, below).

Parabolic Reflector Wifi

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A Novel and Versatile Parabolic Reflector that ...

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Advantages and disadvantages of Parabolic Reflector Antenna

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Grid Antenna — SimpleWiFi

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How To Boost Wi-Fi Range With A Homemade Parabolic Reflector

Parabolic reflectors also loose gain if your finished reflector varies much from the correct curve. This drawing should be accurate enough to be scaled to any reasonable size. The reflector is designed to be fed by a dipole. That is why it is not circular. A dipole is long and cylindrical, the focal point on a circular dish is circular.

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