
Subject: Increasing The Frequency Range
Posted by [Jethro](#) on Tue, 09 Apr 2019 16:16:20 GMT
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I'm wondering whether we can increase the range of the radio to pick up radio stations that are far from our location. I know about increasing the range of Wi-Fi range, so there might be also a device that can increase the range of the radio.

Subject: Re: Increasing The Frequency Range
Posted by [Rusty](#) on Tue, 09 Apr 2019 18:21:44 GMT
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If you mean am/fm radio. Then a good antennae, as high up as you can get it.

Subject: Re: Increasing The Frequency Range
Posted by [mamoss](#) on Wed, 10 Apr 2019 17:23:56 GMT
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The fact of the matter is that antennas do matter but most of the time, people don't really pay much attention to it. The good thing is that most of the FM radios have a provision for an external antenna hook up. I think that how you place the radio determines the range of reception.

Subject: Re: Increasing The Frequency Range
Posted by [Kingfish](#) on Sun, 12 May 2019 20:46:23 GMT
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Couple with the size of the antenna? In a vehicle, there is really no way to re-position the radio so you are left having to put on more antenna's.

Subject: Re: Increasing The Frequency Range
Posted by [gofar99](#) on Mon, 13 May 2019 02:05:55 GMT
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Hi, an external antenna is the way to go. I use a 10 element "beam" to reach stations as far as Phoenix (about 150-175 miles). It looks like a ladder laid flat. They used to be quite common, but rather scarce now. I suspect a Google search would find some. Height is also VIP. The biggest drawback is the higher the gain of the antenna, the more directional it is. Thus if you want stations that are in different directions you have a problem. Antenna rotors can fix this, but now you are getting complicated and likely costly. I personally have never had great success with FM antenna amplifiers when used on external antennas. They seemed to add as much noise as signal. If you go for an external antenna be sure to use quality wire. Both twin lead (nominal 300 ohm RF impedance) or coax (typically 75 ohm) are fine. Each has advantages and

disadvantages. BTW the supposed to be super indoor powered antennas are not nearly as good. in a pinch some TV antennas that cover the VHF band (channels 2-13 in the old days) can work fairly well on FM as the FM stations are actually in between what was channel 6 and channel 7.

Subject: Re: Increasing The Frequency Range
Posted by [Kingfish](#) on Mon, 13 May 2019 14:10:14 GMT
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Thank you for the information. That is well worth saving.

Now, when you say directional, what exactly do you mean? If I am traveling east on I-40 northwest of the valley (Phx.) will I have issues picking up Phx.?

Subject: Re: Increasing The Frequency Range
Posted by [gofar99](#) on Tue, 14 May 2019 22:18:24 GMT
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Directional is just that. Stuff in the direction of the antenna is made stronger, stuff to the side is weakened.
