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Know About the FM Radio Transmitter by [James Blee](#)

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The FM Radio Transmitter is a portable device that can be plugged into a headphone jack or proprietary output port of a portable video or audio device such as a portable media player, CD player or satellite radio system etc. The sound is then broadcasted through the transmitter through an FM broadcast band frequency. This can also be used for playing music from a device through a car stereo or any radio.

Range:

Most devices in the market have a short range which is about 100 feet with any average radio. With a good radio it can cover up to 300 feet under perfect conditions. This range can be increased if it is operated in fixed locations of good high elevation such as a multi storied apartment or tall building. It can broadcast on any frequency between 87.5 to 108.0 MHz in most of the world.

Source of Power:

These fm radio transmitter are usually battery driven. Some use the cigarette lighter socket in cars or draw their power from a main wall socket or the device itself.

Limitations:

â€¢ They are not suitable for use in urban areas because of their relatively low power output and there are a number of other radio signals. Often strong FM signals can bleed into neighboring frequencies making the frequencies unusable with the transmitter. Often the transmitter's reception improves once the car radio's antennae have been removed.

â€¢ Often there is no means of controlling the volume of some models which connect via ports other than the headphone jack. This makes the sound transmitted from the device either very harsh or very low. This causes over modulation, audio distortion and possible radio interference.

Models:

Many different models of these transmitters are sold by electronic retail stores. There may be price difference even though the audio quality may not be different. However the signal strength varies.

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