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Amplifier with radio frequency used to increase the reception as well as transmission by cell phone is called cell phone booster. These mobile repeaters enable the users to talk through their cell phones while in an underground tunnel or camping in a far remote location. The boosters help the cell phones to achieve the additional cover up so that it can function normally from anywhere. The booster can augment the range of not only cell phones but all other cellular devices such as datacard, smart phone, aircard etc. Vehicle tracking devices, video devices and remote alarms are also provided with cell phone signal boosters. Manufacturers of boosters make different types of cell phone repeaters so as to provide suitable amplifiers for specific devices.

The quest for augmenting the range of cell phones up to far remote areas necessitated the development of boosters. The booster revolution has removed the barriers for cell phones to enhance its utility. The cell phone signal booster is capable of absorbing the weak signals coming from the tower and transmitting the same to the cell phone. Simultaneously it will send a powerful signal back to the tower. While readymade plug-in kits are available as boosters, users can get boosters that are custom configured for their cell phones.

Small sized light weight boosters made by reputed manufacturers function as powerful amplifiers capable of transmitting weak signals in any part of the world. The booster that is currently available has a speed of 5Mbps. However, very soon cell phone booster of the 4th generation will reach the market which will have up-speed of 100Mbps and down-speed of 1Gbps. But, the 4G booster will function only in its specified area and it cannot boost signals of 2G and 3G. Hence those who want to use 4G boosters may have to install two separate systems – one for 4G and the other for 2G and 3G.

The performance of a booster system depends on the strength of signal at the input level. Hence the mounting spot of the external antenna must have maximum bars. Also, there must be a minimum distance of 20ft between the external antenna and the base unit. This will ensure effective functioning of the repeater. The external antenna should be installed away from trees and buildings to avoid reflection of signals. Proper step by step installation of the booster system is vital for its smooth functioning. Internal antenna boosters are installed under the battery of the phone and they will also augment the performance of the phone.

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