

## The Bluetooth Solution

The technology of Bluetooth will take small area networking to the next level by removing the need for user intervention and help keep transmission power very low to preserve battery power. Each transmission signal to and from your cellular phone will use just 1 mw of power, giving you plenty of space on your battery to talk.

Bluetooth is a networking standard that will work on two levels:

1. It will provide agreement at the physical level, as Bluetooth is a radio frequency standard.
2. It will provide agreement at the level of protocol, where products will have to agree on when bits are sent, how many are sent, and how the parties in conversation can be sure the message recieved is the same one that was sent.

The major draws to Bluetooth is the fact that it's wireless, inexpensive, and automatic. There are other ways to get around wires, including infrared. Infrared uses light waves of a lower frequency than the human eye can, and is normally used in television remote controls.

The technology of Bluetooth is intended to get around the problems that normally come with infrared systems. The 1.0 older standard of Bluetooth has a max transfer speed of 1 MB a second, while the 2.0 Bluetooth standard can manage up to 3.0 MB a second. To make things better, 2.0 is compatible with 1.0 devices.

As a solution to wireless, Bluetooth will eliminate the need for messy cords, keeping everything nice and neat. It's perfect for those who like to talk on cell phones, as you no longer need to hold the phone next to your ear - which is great for those who travel a lot.

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