

Tech News:

## Bluetooth 3.0 on the Rise

Based on ultra-wide-band radio, or UWB, Bluetooth 3.0 is the ultimate personal, short distance data transfer standard. It is estimated that there are now over one billion Bluetooth-enabled devices in the world. From mobile phones to personal headsets, users can enjoy this directionless short-distance transfer technology with ease. Digital media will flow freely from your mobile phone to your photo printer in an instant. You can even set up a wireless network using Bluetooth technology.



Bluetooth 3.0 has various improvements over Bluetooth 2.1, including:

### **Increase in transfer speed**

Utilizing the current Wi-Fi technology, Bluetooth 3.0 will have a transfer speed of 480 megabits (60 megabytes) per second over short distances. At a distance of 10 metres, the transfer speed drops to 100 megabits (12.5 megabytes) per second. This data transfer speed is sufficient for high-definition audio and video streaming. Camcorders equipped with Bluetooth 3.0 technology will be able to stream HD content to Bluetooth-enabled televisions and computers. Wireless slideshow presentations will also be possible via Bluetooth technology.

### **Less interference**

To avoid possible interference, Bluetooth 3.0 will operate in the 6-9 GHz range rather than 2.4 GHz as in previous Bluetooth standards. This will decrease the amount of signal interference from other wireless technologies, such as Wi-Fi wireless networks and cordless phones.

As with all previous Bluetooth standards, Bluetooth 3.0 will be backward-compatible with older standards. However, existing devices will not be able to take advantage of the improved speeds Bluetooth 3.0 has to offer.

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