

Bluetooth Security

These days, all communication technology faces the issue of privacy and identity theft, with Bluetooth being no exception. Almost everyone knows that email services and networks require security. What users of Bluetooth need to realize is that Bluetooth also requires security measures as well.

The good news for Bluetooth users is that the security scares, like most scares, are normally over dramatized and blown entirely out of proportion. The truth being told, these issues are easy to manage, with various measures already in place to provide security for Bluetooth technology.

It's true that there has been some Bluetooth phones that have been hacked into. Most devices that are hacked into are normally those that don't have any type of security at all.

According to Bluetooth specialists, in order to hack into a Bluetooth device, the hacker must:

1. Force two paired devices to break their connection.
2. Steal the packets that are used to resend the pin.
3. Decode the pin.

Of course, the hacker must also be within range of the device, and using very expensive developer type equipment. Most specialists recommend that you have a longer pin, with 8 digits being recommended.

Fundamentals of security

The "pairing process" is one of the most basic levels of security for Bluetooth devices. Pairing, is two or more Bluetooth devices that recognize each other by the profiles they share - in most cases they both must enter the same pin.

The core specifications for Bluetooth use an encryption algorithm, which is completely and entirely

secure. Once the devices pair with each other, they too become entirely secure.

Until they have successfully paired, the Bluetooth devices won't communicate with each other. Due to this pairing process and the fact that it is short range - Bluetooth technology is considered to be secure.

As the news has indicated, experienced hackers have developed ways to get around this level of basic security. There are ways to get around this threat, as you can install software to prevent hackers from getting in.

With Bluetooth becoming more and more popular, it's really no wonder that security is always in question. As Bluetooth gets bigger and better, security will always be something that no one really takes lightly.

If you've been concerned about Bluetooth security in the past, rest assured that newer devices will offer bigger and better security. Preventing hackers from getting in is something every owner is concerned about - and the manufacturer's are very aware.

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