**BLUETOOTH:**

Bluetooth is a [wireless](http://en.wikipedia.org/wiki/Wireless) technology standard for exchanging data over short distances (using short-wavelength [UHF](http://en.wikipedia.org/wiki/UHF) [radio waves](http://en.wikipedia.org/wiki/Radio_waves) in the [ISM band](http://en.wikipedia.org/wiki/ISM_band) from 2.4 to 2.485 GHz[[3]](http://en.wikipedia.org/wiki/Bluetooth#cite_note-3)) from fixed and mobile devices, and building [personal area networks](http://en.wikipedia.org/wiki/Personal_area_network) (PANs). Invented by telecom vendor [Ericsson](http://en.wikipedia.org/wiki/Ericsson) in 1994,[[4]](http://en.wikipedia.org/wiki/Bluetooth#cite_note-4) it was originally conceived as a wireless alternative to [RS-232](http://en.wikipedia.org/wiki/RS-232) data cables. It can connect several devices, overcoming problems of synchronization.

The Android platform includes support for the Bluetooth network stack, which allows a device to wirelessly exchange data with other Bluetooth devices. The application framework provides access to the Bluetooth functionality through the Android Bluetooth APIS. These APIS let applications wirelessly connect to other Bluetooth devices, enabling point-to-point and multipoint wireless features.

Using the Bluetooth APIS, an Android application can perform the following:

* Scan for other Bluetooth devices
* Query the local Bluetooth adapter for paired Bluetooth devices
* Establish RFCOMM channels
* Connect to other devices through service discovery
* Transfer data to and from other devices
* Manage multiple connections