

## Android 2.2 (Froyo)

- New Home screen tips widget assists new users on how to configure the home screen with shortcuts and widgets and how to make use of multiple home screens.
- The Phone, applications Launcher, and Browser now have dedicated shortcuts on the Home screen, making it easy to access them from any of the 5 home screen panels.

### Exchange support

- Improved security with the addition of numeric pin or alpha-numeric password options to unlock device. Exchange administrators can enforce password policy across devices.
- Remote wipe: Exchange administrators can remotely reset the device to factory defaults to secure data in case device is lost or stolen.
- Exchange Calendars are now supported in the Calendar application.
- Auto-discovery: you just need to know your user-name and password to easily set up and sync an Exchange account (available for Exchange 2007 and higher).
- Global Address Lists look-up is now available in the Email application, enabling users to auto-complete recipient names from the directory.

### Media

- Gallery allows you to peek into picture stacks using a zoom gesture.
- Camera onscreen buttons provide easy access to a new UI for controlling zoom, flash, white balance, geo-tagging, focus and exposure.
- Camcorder provides an easy way to set video size/quality for MMS and YouTube.
- With the LED flash now enabled for the Camcorder, videos can be shot at night or in low light settings.
- Portable hotspot
- Certain devices like the Nexus One can be turned into a portable Wi-Fi hotspot that can be shared with up to 8 devices.

**You can use your Android-powered phone as a 3G connection for a Windows or Linux laptop by connecting their phone to the computer with a USB cable. The connection is then shared between the two devices.**

### Multiple keyboard languages

Multi-lingual users can add multiple languages to the keyboard and switch between multiple Latin-based input languages by swiping across the space bar. This changes the keys as well as the auto-suggest dictionary.

## Improved performance

- Performance of the browser has been enhanced using the V8 engine, which enables faster loading of JavaScript-heavy pages.
- Dalvik Performance Boost: 2x-5x performance speedup for CPU-heavy code over Android 2.1 with Dalvik JIT.
- The graph to the right shows the performance speedup from Android 2.1 to Android 2.2 using various benchmark tests. For example, LinPack is now more than 5 times faster.
- Kernel Memory Management Boost: Improved memory reclaim by up to 20x, which results in faster app switching and smoother performance on memory-constrained devices.

## New Platform Technologies

- New media framework (Stagefright) that supports local file playback and HTTP progressive streaming
- Continued support for OpenCore in Android 2.2
- Voice dialling over Bluetooth
- Ability to share contacts with other phones
- Support for Bluetooth enabled car and desk docks
- Improved compatibility matrix with car kits and headsets
- HIGHMEM support for RAM >256MB
- SDIO scheduling and BT improvements

For more information about Android Operating Systems visit <http://www.android.com/>

Source: <http://developer.android.com/sdk/android-2.2-highlights.html>