RE: Quick-Jack FAQ

Tuesday, June 24, 2014
4:54 PM

Q. How do I get started with Quick-Jack?
A. 1. Buy the Quick-Jack board (OM13069)
2. Install the app (iOS: from app store, Android: download and install .apk from lpcware.com)
3. Connect the Quick-Jack board to the phone's jack connector and start the app
4. More details can be found in the Quick-Jack UM (lpcware.com)

Q. Where can I find the Android app, LPC800 firmware, schematic or board layout?
A. All design files can be found at http://www.lpcware.com/content/project/smartphone-quick-jack-solution

Q. Where can I find the iOS app source code?
A. Due to restrictions, we cannot publically distribute the iOS app source code. However, we can provide the source code upon request. Please contact NXP Support to request the iOS app source code.

Q. Where can I order the Quick-Jack board?
A. The Quick-Jack board can be ordered with your local NXP distributors or check the following link http://www.nxp.com/demoboard/OM13069.html

Q. Why is there a CR1220 battery on the board?
A. The amount of power Quick-Jack can draw from the phone, mainly depends on the make/model of the phone. Some phones may not provide enough power (though this is ought to be rare), so in that case Quick-Jack can run off the battery. This increases the number of phones Quick-Jack is compatible with. It may also help in providing enough power e.g. during flashing of the LPC800's firmware.

Q. How can I load new firmware into the Quick-Jack board?
A. The process of compiling and loading firmware on the Quick-Jack board is described in the Quick-Jack appnote AN11552.

Q. What is the power consumption of Quick-Jack?
A. Average power consumption is 10mW (~3mA @3.3V).

Q. I want to power an external board/sensor. How much power can Quick-Jack draw from the mobile phone?
A. This mainly depends on how much power your phone can provide. iPhone 3GS can provide about 15mW over the audio jack. Since Quick-Jack's power consumption is about 10mW, this leaves 5mW for other hardware connected to Quick-Jack.

Q. What is the data rate Quick-Jack uses?
A. Quick-Jack is currently sending/receiving data at 1.4 kbaud. We did not test at higher baudrates, but we expect higher baudrates are possible.

Q. I have a question not covered in this FAQ, who should I contact?
A. For more information regarding Quick-Jack, please open a case at the NXP web support.