

# PhyCORE-OMAP44xx Android BSP-JellyBean v2.0 Release Notes

<b>Operating System</b>	Android
<b>BSP Release Status</b>	<b>RELEASED</b>
<b>Release Date</b>	04 Mar 2013
<b>Repository</b>	
<b>Binaries</b>	<a href="ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0">ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0</a>
<b>Source Archive</b>	
<b>Release Notes</b>	<a href="#">Click Here</a>

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## Introduction

This BSP provides a basis for development, deployment and execution of Android based applications on the phyCORE-OMAP44xx System on Module (SOM). For detailed information on the various software components included in the release and how to use them, please refer to the [Quickstart](#).

## Versioning

Component	Version
Android	4.2 (Jelly Bean)
Linux Kernel	3.4.19

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	CB PCB Version
Jelly Bean v2.0	March 1st, 2013	1347.1	1348.2
		1347.2	

## BSP Download

Release Jelly Bean v2.0 can be downloaded from the link below.

[ftp://ftp.phytec.com/products/PCM-049\\_phyCORE-OMAP44xx/Android/JellyBean/v2.0](ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0)

## Quickstart

Release Jelly Bean v2.0 should be used in conjunction with Quickstart version Jelly Bean v2.0:

- [PhyCORE-OMAP44xx\\_Jelly\\_Bean\\_Android\\_Development](#)

## What's Supported

This BSP Release supports the following components:

- **OMAP4430/OMAP4460**
- Boot Modes: NAND Flash; SD/MMC
- LPDDR2
- UART: RS-232 on UART\_3 - debug port; all other UART not tested
- Ethernet: 10/100 Mbit - LAN92211 over GPMC
- SD/MMC : SDMMC\_1; SDMMC\_5 used with WiFi; all other SDMMC not tested
- WiFi: TiWi R2 on SDMMC\_5 with OMAP4 TiWi Adapter Board
- USB: USB-OTG; USB Host
- I2C driver
- EEPROM: at24 on I2C\_1
- PMIC: TWL6030 on I2C\_1
- RTC: PMIC (TWL6030) RTC
- TSC: STMPE811 on I2C\_4 (device on carrier board)
- Display: Prime View PM070WL4 LVDS (LCD-017-070W)
- Audio: Line in, Line out, Mic in, Speakers
- OpenGL
- OpenVG

## What's Not Supported

This BSP Release does not support the following components:

- HDMI
- SPI driver
- Camera-LVDS

## Fixed in this Release

N/A

## New in this Release

- SDMMC5 support
- USB Host support
- added navigation bar

## Known Issues

- Occasional problems with touch signals

Workaround: Flash the ulmage-no keypad Kernel. This deactivates the keypad interface but now the touch inputs are correct.

## Upgrade and Compatibility Information

To upgrade to a new BSP release, simply delete the old release and extract the new release in its place.

## Dependencies

N/A

## Validation Information

Drivers have been tested with in-house test cases.

## Technical Support

For further information or to report any problems, contact [PHYTEC Technical Support](#).