# PhyCORE-AM335x Android BSP-PD14.1.0 Release Notes

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|---|---|
| **Operating System** | Android |
| **BSP Release Status** | RELEASED |
| **Release Date** | 04 Aug 2014 |
| **Repository** | |
| **Binaries** | ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD14.1.0/ |
| **Source Archive** | |
| **Release Notes** | Click Here |

## Introduction

This BSP provides a basis for development, deployment and execution of Android based applications on the phyCORE-AM335x 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 46465468.

## Versioning

| Component | Version |
|---|---|
| Android | |
| Linux Kernel | |
| Barebox | |

This Release is compatible with the following hardware:

| BSP Release Version | BSP Release Date | SOM PCB Version | CB PCB Version |
|---|---|---|---|
| PD14.1.0 | August 4th, 2014 | 1358.3 | 1359.3 |

## BSP Download

Release PD14.1.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD14.1.0/

## Quickstart

Release PD14.1.0 should be used in conjunction with the following Quickstart:

- PhyCORE-AM335X_Jelly_Bean_Android_Development

## What's Supported

This BSP Release supports the following components:

- Boot Modes: NAND Flash, NOR Flash, SD/MMC
- UART: RS-232 on UART_0; UART_1 not tested
- USB: USB_0-OTG supports ADB; USB_1-OTG enabled for Host mode
- Ethernet: ETH1 from RMII1 (not stable above 96 Mbit/s)
- WiFi: TiWi R2 on MMC_2
- CAN: CAN_0 enabled
- SD/MMC: MMC_0 enabled; all other MMC not tested
- SPI driver: SPI_0 enabled
- I2C driver: I2C_0 enabled
- EEPROM: at24 on I2C_0
- PMIC: TPS65910A3 on I2C_0
- RTC: Internal RTC on I2C_0; TPS65910A3 PMIC on I2C_0
- Touch:

FocalTech FT5306 (device on LCD-018-070-KAP) on I2C_0STMPE811E (device on Carrier Board) on I2C_0

- Display:

EDT ETM0700G0DH6 TTL (LCD-018-070-KAP)

- Graphics: OpenGL binaries under TSPA license

## What's Not Supported

This BSP Release does not support the following components:

- 10/100/1000 Mbit/s Ethernet on RGMII2
- RTC: RV-4162-C7 external RTC on I2C_0 - Conflicts with LCD-018-070-KAP touch interrupt
- Bluetooth: TiWi R2 on McASP1/UART_1
- Audio: Wolfson Codec WM8974 Line in, Line out, Mic in, Speakers
- Power Management: Standby and suspend-to-RAM

## Fixed in this Release

N/A

## New in this Release

- Touch: FocalTech FT5306 capacitive touch
- Display:

EDT ETM0700G0DH6 TTL (LCD-018-070-KAP)

## Known Issues

- When using USB_0-OTG in Host mode some devices will not enumerate properly
- WiFi and ETH1 cannot be used at the same time

## 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.