

## PiBox - Action Item #235

### PiBox component rev: Buildroot

17 Oct 2013 14:34 - Hammel

<b>Status:</b>	Closed	<b>Start date:</b>	17 Oct 2013
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Hammel	<b>% Done:</b>	100%
<b>Category:</b>	04 - Root File System	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.8.0		
<b>Severity:</b>	01 - Critical		
<b>Description</b>			
<p>The default buildroot version is aging: 2013.02. The latest version is 2013.08.1. This needs to be tested to see if it will provide a correct build image for PiBox.</p> <p>Updated: 2013.02/1.20.2 (Buildroot/Busybox version) was rev'd to 2013.11/1.21.1 in 2014-01. Now awaiting official Buildroot 2014.02 release.</p>			

#### Associated revisions

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##### Revision c2f54908 - 26 Jan 2014 14:59 - Hammel

RM #235: Add support for building Buildroot 2013.11. This is not the default yet, however.

##### Revision 33a4ab8d - 26 Jan 2014 16:50 - Hammel

RM #235: Bump Buildroot to 2013.11 as the default build.

##### Revision d5712c91 - 02 Feb 2014 16:33 - Hammel

RM #235: Bump Busybox to 1.21.1 in Buildroot 2013.11

##### Revision a43d7a3f - 02 Feb 2014 17:04 - Hammel

RM #235, RM #269: Bump Busybox to 1.21.1, with mktemp added.

##### Revision 79b58a34 - 08 Feb 2014 12:37 - Hammel

RM #235: Add blkid with filesystem type support.

#### History

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##### #1 - 17 Oct 2013 14:36 - Hammel

- % Done changed from 0 to 10

Buildroot 2013.08.1 has been tested with the build on Fedora 19 and appears to build correctly. It's test exposed a problem with the XBMC package provided by PiBox (which provides components necessary to run the XBMCbox opkg) but this is not related to the suitability of 2013.08.1 for use with PiBox.

The build is being tested on CentOS. After that the build image will be tested on the hardware. If those tests succeed then 2013.08.1 will become the default version of Buildroot for PiBox.

**#2 - 18 Oct 2013 09:18 - Hammel**

- % Done changed from 10 to 60

CentOS 6.4 build completed successfully. Fedora build works but I haven't had a complete build run without an issue. Most seem to be due to poor wireless connectivity.

New images need to be tested on hardware.

**#3 - 26 Jan 2014 20:45 - Hammel**

- % Done changed from 60 to 70

Ported packages and patches to 2013.11. Build completed and tested under the current xcc and kernel. Seems to work fine. I've made it the default.

Busybox needs to be rev'd to the latest in order to make sure mdev has all support possible for kernel 3.5.x+ (post-USBFS). Unfortunately Buildroot 2011.13 doesn't have support for latest Busybox (1.22.0). But support is in mainline. So I can pull patches for it now and then do another rev when 2014.02 comes out, which should be very soon. Or I can just procrastinate and wait for 2014.02.

**#4 - 26 Jan 2014 20:55 - Hammel**

- Priority changed from Low to Immediate

- Target version changed from 1.0 - Atreides to 0.8.0

- Severity changed from 04 - Low to 01 - Critical

Since there doesn't appear to be any down side to this, the bump to Buildroot 2014.02 and Busybox 1.22.x will be part of the 0.8.0 release.

**#5 - 26 Jan 2014 22:53 - Hammel**

Just realized there are no patches for 1.22.x in Buildroot mainline. So I would need to add a patch to the Busybox package to add support for 1.22.x. Alternatively I could just use the daily snapshot. But I would need to make a config update for snapshot use in Buildroot.

**#6 - 01 Feb 2014 14:05 - Hammel**

Building with Busybox 1.21.1. Will test this and, if working as well as 1.20.1 or better, bump to that release while waiting for Buildroot 2014.02.

**#7 - 02 Feb 2014 16:37 - Hammel**

Bumped Busybox to 1.21.1, which is the latest possible from Buildroot 2013.11.

Test built and pushed to target. Seems to work fine. Changes pushed upstream.

**#8 - 02 Feb 2014 16:39 - Hammel**

- *Description updated*

**#9 - 03 Feb 2014 20:43 - Hammel**

- *% Done changed from 70 to 80*

1.21.1 mdev broke blockhandler.sh - see RM #271.

**#10 - 08 Feb 2014 12:40 - Hammel**

- *% Done changed from 80 to 90*

Added missing blkid to Busybox. This was originally in Buildroot 2013.02 but was pulled from 2013.11. Adding it into Busybox was easy but you have to specifically ask for filesystem type support.

This fixes finding and mounting mmcblk0p1 by mdev. However, it blockhandler.sh no longer mounts sda1 when the usb stick is inserted. So I still need to fix that in RM #271 before closing this issue.

**#11 - 09 Feb 2014 14:47 - Hammel**

- *Status changed from In Progress to Closed*

- *% Done changed from 90 to 100*

blockhandler fixed for 2013.11. Closing issue for rev 0.8.0.