

RPi2-3 Version 1.5rc2 Allstar - January 24, 2017 - KB4FXC, WA3DSP

- > Dozens of updates to admin.sh related operations.
- > Enabled watchdog by default.
- > Upgraded to 4.4.44 kernel.
- > Upgraded dahdi for 4.4.44 kernel.

RPi2-3 Version 1.5rc1 Allstar - January 21, 2017 - KB4FXC, WA3DSP

- > Updated admin.sh functions to provide many new capabilities.
- > More simpleusb-tune-menu updates, SVN rev 88.
- > Set admin.sh to always launch when the root user logs in.

RPi2-3 Version 1.5beta4 Allstar - December 31, 2016 - KB4FXC, WA3DSP

- > Patches in app_rpt.c for [telemetry] stanza bug, SVN rev 75.
- > Many simpleusb-tune-menu enhancements, SVN rev 76, 77, 79.
- > Patched dahdi-base.c, fixed patching error for 2.11.1, SVN rev 78.
- > Patches in app_rpt.c, changes version info, SVN rev 84.
- > Patched chan_echolink.c with fix from Lito, KI9H, SVN rev 80.
- > Patched chan_simpleusb.c to include CM108B support, SVN rev 83.
- > Upgraded kernel, dahdi and related files to 4.4.39-1.
- > Installed crudini CLI tool for INI file management.

RPi2-3 Version 1.5beta3 Allstar - November 20, 2016 - KB4FXC, WA3DSP

- > Changed "RemainAfterExit=no" for rc-local.service
- > Patches in app_rpt.c for [telemetry] stanza bug, SVN rev 71.
- > Patches in app_rpt.c, changed MAX_STAT_LINKS to 128, SVN rev 73.
- > Patched chan_echolink.c with fix from Lito, KI9H, SVN rev 72.
- > Upgraded kernel, dahdi and related files to 4.4.32-3
- > Update hamvoip-wireless-config-0.1-9: fix broken RPi2 support.

RPi2-3 Version 1.5beta2 Allstar - October 31, 2016 - KB4FXC, WA3DSP

- > Found that the RPi would randomly fail to cleanly poweroff and reboot. Added several changes (mostly systemd related) to resolve this issue.
- > Updated firsttime.sh script and added admin.sh script to provide an admin menu

RPi2-3 Version 1.5beta1 Allstar - September 29, 2016 - KB4FXC, WA3DSP, W0AMN

- > Rolled in all package updates, many changes. Documentation to follow
- > Major updates in setup scripts (firstboot.sh, node-config.sh, simpleusb-config.sh)
- > Setup new flash image.

RPi2-3 Version 1.5alpha2 Allstar - August 10, 2016 - KB4FXC, WA3DSP, W0AMN

- > Updated hamvoip-misc-scripts package to include:
 - > ...Conflict with 'vi' package, the functionality is replaced by vim
 - > ...Set dependency of packages 'vim' and 'wavemon' to install them, if needed
 - > ...Added symlinks in /usr/local/bin related to 'vim'
- > Updated hamvoip-dahdi package to include .INSTALL script which runs /sbin/depmod
- > Fixed inconsistencies in rpt.conf files.
- > Set default answer to "NO" for network config dialog
- > Fixed bug introduced into Asterisk in 7/2016 which broke simpleusb-tune-menu option #2
- > Fixed package inconsistencies for dahdi (tonezone).
- > Setup perl CGI support for lsnodes

- > Split lsnodes into new hamvoip-lsnodes-support package
- > More misc. housekeeping and directory cleanup.

RPi2-3 Version 1.5alpha Allstar - August 07, 2016 - KB4FXC, WA3DSP, W0AMN

- > Removed all identified non-packaged files, moving to hamvoip packages
- > Updated pacman to ONLY use hamvoip archive repository
- > Updated/upgraded packages with "pacman -Syu"
- > Installed relavent new hamvoip packages from repository
- > Kernel version: 4.4.16-1-ARCH
- > Modified apache config for php7.0.2
- > Upgraded dahdi to 2.11.1 -- package: hamvoip-dahdi 4.4.16-2
- > Upgraded Asterisk/AllStar to hamvoip-2016-07-16
- > Turned OFF rsyncd server by default
- > Many, many changes

RPi2-3 Version 1.07beta Allstar - July 22, 2016 - KB4FXC, WA3DSP, W0AMN

- > MAJOR OS upgrade:
- > ...Performed "pacman -Syu" upgrade to armv7h release found at:
<https://hamvoip.org/arch/armv7h>
- > This is the staging release where all initial hamvoip repository builds were initiated
- > Kernel version: 4.4.12-1-ARCH
- > Went through and extensive round-up of customized scripts and command, generating packages
recompiling many utilities, Asterisk and dahdi for new libraries and gcc version
- > Compiled, packaged and installed php ncurses and SysV message libraries

RPi2-3 Version 1.05beta Allstar - July 12, 2016 - KB4FXC, WA3DSP, W0AMN

- > Based on OS files from 1.02beta.
- > Updated Asterisk (/usr/local/hamvoip-asterisk) to 07/12/2016 alpha version
- > Hacked together a new kernel module: dahdi_hrtimer to provide a precision timing source for
dahdi. Now, dahdi_test consistently shows results better than 99.97%, versus 99.6% without
this code. This improvement fixes MANY issues.

RPi2-3 Version 1.02beta Allstar - March 26, 2016 - WA3DSP, KB4FXC, W0AMN

- > Preliminary beta-test release for RPi2 and RPi3 boards
- > Update kernel to 4.1.19-5
- > Update bootstrap code and overlays for RPi3
- > Installed alpha-test copy of latest Asterisk/AllStar binaries
in: /usr/local/hamvoip-alpha-test ...See the comment in:
/usr/local/etc/rc.allstar about safe_asterisk to use this verision

RPi2 Version 1.01 Allstar - March 22, 2016 - WA3DSP, KB4FXC, W0AMN

- > Replaced chan_simpleusb module to remove audio delay (echo)

RPi2 Version 1.0 Allstar - April 10, 2015 - WA3DSP, KB4FXC, W0AMN

- > First general release of RPi2 Allstar code

RPi2 Beta Release 2 - April 7, 2015 - WA3DSP, KB4FXC, W0ANM

- > Added fix to astdb.php and changed cron entry

- multiple retries and random update period - after release
- > Added perl-xml-simple - after release
- > Minor last minute script fixes

RPi2 - Beta Release 1 - April 6, 2015 - WA3DSP, KB4FXC, W0ANM

- > Added ntp servers and fallback servers to timesyncd.conf
- > Updated W0ANM scripts - added rxaudiodelay, powerdown monitor option and other minor fixes
See powerdown (halt) howto on the web page for implementation
- > added some additional scripts - see script documentation on the web page
- > Automatic wireless support not in this release.
- > Changed editor for crontab to nano

RPi2 - Alpha Release 6 - April 03, 2015 KB4FXC WA3DSP

- > Updated/upgraded packages with "pacman -Syu"
Kernel version 3.18.10-3-ARCH
- > Updated hamlib radio control library, moved "--prefix" directory to /usr/local/hamlib and setup symbolic links.
- > Copied watchdog daemon from BBB, recompiled and setup for use on RPi2 so that it functions just like the BBB version.
- > Added bcm2708_wdog watchdog driver to /etc/modules-load.d/raspberrypi.conf
- > Installed latest 2.10.0.1 dahdi drivers
- > Updated AllStar to include new simpleusb code
Includes both pre and de-emphasis and rxaudiodelay for squelch tail elimination
- > Installed pcsensor USB temperature sensor code
- > Moved sample AllStar config file back to /usr/src/utills/stock_allstar_configs
- > Cleaned pacman caches: pacman -Scc
- > Remove extraneous/old libs, drivers, etc.

RPi2 - Alpha Release 5 - March 24, 2015 WA3DSP

- > Updated Kernel/packages to version 3.18.9-3-ARCH
- > Asterisk code updated to latest SVN and merged with BBB/RPI2 code - KB4FXC
- > Minor fixes in scripts - W0ANM

RPi2 - Alpha Release 4 - March 21, 2015 WA3DSP

- > Updated kernel/packages to version 3.18.9-2-ARCH
- > Inserted all W0ANM script updates for RPi2
- > All networking now uses networkd as defined in /etc/systemd/network. Files are configured by setup. Initial boot is DHCP. Wireless at boot not implemented yet. Can be executed manually.
- > time sync is handled by timesyncd
- > named handles domain lookup. /etc/resolv.conf is set to 127.0.0.1

Raspberry Pi 2 Initial Version from BBB base
Pre-release - March 6, 2015 WA3DSP

- > Installed Archlinux Kernel 3.18.8-4-ARCH
- > activated tmpfs for /var/log
- > Loaded numerous required packages including but not limited to httpd, python2, PHP and dependencies and packages previously loaded in BBB release
- > compiled and installed Dahdi
- > compiled and installed Asterisk
- > Loaded necessary configuration, script, and program files from BBB including but not limited to lsnodes, hamlib, wx scripts, startup scripts.
- > reinstalled all W0ANM scripts to latest versions
- > Installed Allmon2
- > modified LED CWID for RPI2
- > activated heartbeat, reduced graphics memory to 16M
- > Installed ftdi1 and Adafruit_GPIO packages Supports FT232H and other GPIO
- > wiringpi GPIO package installed - man gpio see /usr/src/examples

Version 1.2.1 Release October 20, 2014 KB4FXC WA3DSP W0ANM

- >added packages svn, git, bash-completion, gdb, netcat
- >updated bash to 4.3.30(1)
- >added node-config.sh script for automated node configuration
- >added environment file and rc.allstar - see documentation
- >updated image-backup for updating files
- >moved saytime scripts to /usr/local/sbin now requires node as parameter
- >Minor script fixes

Version 1.2 Pre-Release-beta October 1, 2014 KB4FXC WA3DSP W0AMN

- >simpleusb.conf - changed plfilter default to on
- >added fix to simpleusb time function to uptime - see docs - KB4FXC allowed removal of /etc/rc.local 1 sec and 30 second delays fixed occasional startup usb audio distortion
- >added same time fix to chan_iax2, chan_usbradio, chan_echolink, and app_rpt
- >added /etc/asterisk/dnsmgr.conf
- >moved many scripts from /etc/asterisk/local to /usr/local/sbin
- >added file backup/restore scripts - W0ANM - see backup docs
- >added usb-backup and usb-restore scripts - W0ANM - see backup docs
- >added image-backup to usb stick - W0ANM - See backup docs
- >added weather forecast and alert package - W0ANM - see documentation in /usr/local/bin/Weather
- >added google tts script - W0ANM - see documentation in /usr/local/bin/tts
- >added ssh_pass - see scp documentation in backup howto
- >spelling correction in lsnodes
- >Added wav file to /usr/local/sbin/power-button-press - see file for info
- >morse_ip.sh moved to /usr/local/sbin
- >updated morse_ip.sh and sayip.sh for wireless connections
- >changed symbolic link for vi from ex to vim - cursors work!
- >added watchdog timer - uncomment in /etc/rc.local to activate - see docs.
- >added USB temperature sensor code - see documentation
- >added command archiveaudio=0 ; Disable saving .wav files - see docs.
- >added support for wireless USB FOBS - See documentation
- >added sayip at boot - says local IP to radio
- >added noload of chan_sip.so in modules.conf - comment line if you need sip
- >Updated bash for shellshock fix - version 4.3.27(1)

- >added many support modules - dosfstools udisks2 devmon parted ntfs-3g fuse-exfat
- >devmon started at boot - mounts usb sticks - vfat,fat32,ntfs,exfat for backup/restore - mounted in /media - see docs.
- >added hamlib radio control library
See man rigctl, rigctld, rigmem, rotctl, rotctld, rigswr, rigsmtr
- >added ftdi library
- >updated to mirror 0.324 app_rpt changes
- >Updated and added web page documentation - scripts, wireless, backup, etc.

Version 1.2alpha3 September 20, 2014 KB4FXC

- >Updated/upgraded packages with "pacman -Syu"
- >NOTE: 3.16.3 ARM kernel fixes Pseudo-ACPI
- >Updated /boot/uImage
- >Fix: Patched/recompiled dahdi drivers for 3.16.3
- >Fix: /usr/local/etc/morse_ip.sh
- >Installed devmem package
- >Installed dtc-overlay package
- >Removed python 3.4 package
- >Installed python 2.7.8 package (required for gpsd, Adafruit-BBIO)
- >Installed python2-pip, python2-setuputils
- >Installed Adafruit_BBIO python modules
- >Installed gpsd
- >Installed php package
- >Installed php-gd package
- >Installed traceroute package

Version 1.2alpha2 August 24, 2014 KB4FXC

- >Updated /etc/rc.local script to automatically change /etc/motd
- >Fix: /usr/src/util/asterisk/channels/chan_simpleusb.c
Now recovers from USB glitches - cable disconnects, etc.
- >Updated /usr/src/util/asterisk/apps/app_rpt.c to version 0.323

Version 1.2alpha1 August 23, 2014 KB4FXC

- >Updated/upgraded packages with "pacman -Syu"
- >Installed zip/unzip package
- >Installed tcpdump package
- >Installed python 3.4 package
- >
- >Installed acpi and acpid packages
- >Edit /etc/systemd/logind.conf
- >Edit /etc/acpi/handler.sh
- >New script: /var/local/sbin/power-button-press
- >NOTE: 3.16.1 ARM kernel lacks drivers for ACPI
- >
- >New script: /var/local/sbin/start-named
- >Fix: /etc/systemd/system/multi-user.target.wants/named.service
- >Fix: /usr/local/etc/morse_ip.sh
- >Updated Linux Kernel to 3.16.1
- >Updated /boot/uImage
- >Fix: Patched/recompiled dahdi drivers for 3.16.1
- >Fix: Added /etc/modules-load.d/sound.conf

Version 1.1 Initial Public Release June 25, 2014

Commented noload res_crypto.so and func_callerid.so in modules.conf
These modules needed for phone and web transceiver calls.

Removed /etc/asterisk/system.conf - this file is not needed.

Added iLBC codec as first choice in contexts in iax.conf but not in
iaxrpt or iphone contexts. They do not handle iLBC properly.

Defaulted plfiler to on in simpleusb.conf DTMF tones are handled better
with radio relax turned off and your audio sounds better without all the
PL on it.

The firewall now defaults to off with instructions on how to enable it
on the web page. Most well configured routers will have a good firewall
but if you run a DMZ or otherwise open system you should enable the
firewall.

Added modified netsetup.sh which does better checking of requested IP
and netmask validity.

Renamed and made non-executable nodesetup.sh - this script does not work
well and often results in fouled up config files. Best to do it manually
as described in howto. Code left in for reference.

Loaded wpa_supplicant which is needed for wifi use.

Many updates to the web page to reflect these changes. Also added
howto instructions for adding the iLBC codec to Acid so it will
work with the BBB, setting up iax_rpt, first time configuration,
and backing up.

Version 1.04 May 22, 2014 WA3DSP

Minor changes, 2nd beta release

Version 1.03 May 21, 2014 WA3DSP, KB4FXC

- >Updated/upgraded packages with "pacman -Syu"
- >Installed bind9 package
- >Installed cpio package
- >Installed openvpn package
- >Installed sqlite package
- >Cleaned out the package cache with "pacman -Sc"
- >Enabled named (bind9) and set 127.0.0.1 as default nameserver.
- >Issued command: systemctl enable named
- >Many changes in /usr/sbin/netsetup.sh
- >Secondary DNS IP not written into /etc/netctl/eth0
- >If dhcp setup, issue: systemctl enable dhcpcd
- >If static IP setup, issue: systemctl disable dhcpcd
- >No need to adjust /etc/resolv.conf, code removed.
- >Setup default DNS to be local nameserver, 127.0.0.1
- >Installed simple firewall in: /etc/openvpn/firewall
- >Configured firewall to load in: /etc/rc.local
- >Fixed uEnv.txt file. Now boots with RevB and RevC BBB's.
- >Patched Asterisk to include iLBC CODEC w/20ms frames.
- >Patched iax2.conf file for iLBC CODEC.

Version 1.02 May 16, 2014 WA3DSP, et. al.

app_rpt.c updated to 0.322
new setup scripts in /usr/local/sbin

Version 1.01 May 14, 2014 WA3DSP

simpleusb.c updated - TX audio level setting fix
Added 8.8.8.8 as primary DNS
Added first time startup script code from Jim Duude
Put svn configs in /etc/asterisk for use by startup scripts
Added package dnsutils - dig, nslookup, etc.

Version 1.0 May 10, 2014 WA3DSP

Initial release