

## Version 1.2.2 Release March 23, 2016 KB4FXC WA3DSP W0ANM

- > Replaced chan\_simpleusb module to remove audio delay (echo)
- > Updated /etc/simpleusb.conf for added commands
- > Removed ILCB from web transceiver and phone connections

## 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 W0ANM

- >simpleusb.conf - changed pfilter 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 dnstools - dig, nslookup, etc.

Version 1.0 May 10, 2014 WA3DSP

Initial release