

Linux PSP 1.1.0 Software Errata

Scope

This document discusses the known issues of the Linux PSP 1.1.0 software package. The table below provides a summary of the issues. The detailed description of the issue and recommended workaround/fix follow.

Issue #	Description
1	Applications have a one inch shift on the CRT
2	V4L2 VBI_IRQ and USB both use IRQ 10
3	MPEG Server program is not included in the PSP distribution
4	Vtest:Logo in Vtest is not completely displayed.
5	Vtest:The menu On/Off has no actions in vtest
6	Vtest: readme mentions shellscripts that do not exist
7	Vtest and Webmedia: NO audio from RF out
8	Vtest: Wrong characters displayed with CC1 source in Vtest CC function enabled
9	Webmedia: V-button in webmedia browser is confusing, don't know whether it is toggle or close button.
10	Webmedia:The svideo source audio can be still heard in spite of quitting the application.
11	Webmedia: The update of the control bars in webmedia does not work all the time.
12	Webmedia: Takes more than 5 minutes to display webpages.
13	Webmedia: The fast forward and rewire does not work after 20 minutes.
14	Webmedia: Play does not play always from the beginning.
15	WebMedia: DVD source is displayed in the video window after the source has been changed
16	Webmedia: If select Stream source first, than select DVD source the original Stream source is displayed on the screen.
17	Webmedia: The TV tuner label will not occur consistently
18	Webmedia:The text that are highlight on the button in webmedia, menu bar shine unsteadily.
19	Networking does not work with all the Cygnus boxes.
21	Webmedia: The channel up and down buttons work improperly
22	V4I2 version 114d does not work under xwindows for rev D1 silicon
23	Xvidtest: In XvidTest When playing DVD after pause the pause button stays selected after selecting play.
24	Xvidtest: When playing DVD and you click the Fast-forward or Rewind button you can't stop fast-forward or Rewind mode.
25	Xvidtest: When you play DVD once you press stop you can't play the DVD again.
26	Xvidtest: When playing DVD and if you select the "Lang" button it throws you out of the application.
27	Screen saver problem in X-windows.
28	Webmedia: Pink screen will flash for about 1/3 of a second when switching between scaled and full screen video.
29	Xvidtest: The tuner video is still on even after it's deselection but the audio is off though.
30	

Issues

1. Applications have a one-inch shift on the CRT.

Description: Applications have about a one-inch shift to the left on the CRT when running in TV resolutions (720x480 NTSC, and 720x576 PAL), but look fine on the TV.

Implications: The whole image does not appear on the CRT.

Workaround: None

Resolution: The application was designed for display on the TV and the CRT is not a TV.

2. V4L2 VBI_IRQ and USB both uses IRQ=10

Description: VBI_IRQ and USB both use IRQ 10.

Implication: As long as USB is disabled in the BIOS all the apps work fine

Workaround: Use other available IRQ's for VBI_IRQ except 2,8,13

Resolution: Undetermined

3. MPEG Server program is not included in the PSP distribution

Description: The Win 9x/NT video server application is not included in the PSP 1.1.0 distribution.

Implications: The streaming applet for WebMedia cannot be used.

Workaround: None

Resolution: The applet will be distributed as an update to PSP 1.1.0.

4. Vtest : Logo in Vtest is not completely displayed.

Description: In Vtest, full screen mode, both logo and CC enabled, the logo is partly cut off

Implication: Logo is not completely seen.

Workaround: Fixed in the latest version of vtest. Will be distributed as update.

Resolution:

5. Vtest: The menu On/Off has no actions in vtest

Description: In Vtest half screen mode the menu On/Off selections has no actions

Implication: Menu display will not be updated

Workaround: This issue is fixed in vtest version 1.0.8, will be updated in later release.

Resolution:

6. Vtest: Readme mentions shellscrips that do not exist

Description: vtestntscdvp.sh and vtestpaldvp.sh scrips does not exist in nsc-sdk-bindist-psp-110.tar.gz which are mentioned in the readme

Working around: following are two missing shell scrips:

1. vtestntscdvp.sh: used to launch vtest for NTSC mode with DVIP on

```
# Copy this file and the app vtest into /bin, and vtest should be in /bin directory
```

```
rmmod geode_v
```

```
rmmod videodevX
```

```
fbset -yres 480
```

```
insmod videodevX
```

```
insmod geode_v NO_DVIP=0 USE_CRT=0
```

```
# kill old mouse driver
```

```
gpm -k
```

```
#using IR keyboard
```

```
gpm -R -t bm
```

```
#Using ps2 keyboard
#gpm -R -t ps2
/bin/vtest
```

2. vtestpaldvip.sh: used to launch vtest for PAL mode with DVIP

```
rmod geode_v
rmod videodevX
fbset -yres 576
insmod videodevX
insmod geode_v VIN_STD=2 VOUT_STD=2 NO_DVIP=0 USE_CRT=0
# kill old mouse driver
gpm -k
#Using IR keyboard
gpm -R -t bm
#Using ps2 keyboard
#gpm -R -t ps2
/bin/vtest -pal
```

Implication: You can not have DVIP working without any of the scripts mentioned above are not there.

Resolution: Distributed as update

7. Vtest and Webmedia : NO audio from RF out

Description: No sound/audio from RF out in both vtest and webmedia applications
The OSS audio driver doesn't support RF audio.

Implication: Cannot have audio for RF

Workaround:

Resolution: Undetermined.

8. Vtest: Wrong characters displayed with CC1 source in Vtest CC function enabled

Description: If CC box in the vtest menu enabled the text displayed are of the
Previous conversation.

Implication: The text displayed does not match with the current conversation

Workaround:

Resolution: May be fixed and distributed as update

9. Webmedia: V-button in webmedia browser is confusing, don't know whether it is
toggle or close button.

Description: Launch webmedia, click on web button, type in any web site, e.g.:
www.yahoo.com, click on V-button, it closes the browser and gets back to the
webmedia screen, but click on web button again, goes to google.com, the functionality
of the V-button is not documented, whether it is close button, or just a toggle button, to
toggle between webmedia screen and the viewml browser.

Implication: Confusion of what the V-button is

Workaround: The V-button may be taken as close button.

Resolution: undetermined.

10. Webmedia: The svideo source audio can be still heard in spite of quitting the
application.

Description: Launch webmedia, select svideo or tuner source. Play video, quit from
webmedia, you still can hear the previous sound of svideo source.

Implication: The sound will be still coming even after the app is quit.

Workaround: Need to define the exit functionality properly instead of just ctrl+break,

Resolution: undetermined.

11. Webmedia: The update of the control bars in webmedia does not work all the time
Description: Launch WebMedia, select DVD or Stream source. Select play button in the source control area. The DVD or Stream video is displayed in the video window.

Click web button, and quite from web browser, Select the video or S-video source, the video or S-video picture is displayed in the video window, but sometimes the previous DVD or Stream controls are still displayed in the control area.

Implication: Confusion of the current source

Workaround:

Resolution: Undetermined

12. Webmedia:Takes more than 5 minutes to display webpages.

Description: After launching WebMedia, select source DVD or Stream

Click Web button, sometimes the Google home page is displayed, but the Google logo is missing from the home page. Type www.yahoo.com on the web address line, the yahoo home page sometimes is displayed on the screen very slow. The longest time I got about 5 minutes.

Implication: Time consuming

Workaround:

Resolution: Undetermined.

13. Webmedia: The fast forward and rewind does not work after 20 minutes.

Description: The test uses DVD named "Fargo".

Launch webmedia, play DVD for 20 minutes, but not till the end of the dvd play, click on play again, do fast forward or rewind, fast forward or rewind happens. If you redo the Fast forward or rewind dvd will be played in the normal speed instead of increasing the Speed of fast forward or rewind.

Implication: Fast forward / rewind is working as a toggle button.

Workaround: Click fast-forward/rewind again, should toggle between different fast-forward/rewire speeds

Resolution: Undetermined.

14. Webmedia: Play does not play always from the beginning.

Description: The test uses DVD named "Fargo".

Launch webmedia, play dvd till the end of the dvd, play is stopped. Click on play will not play from the begin instead it will expect the user to click on stop button and then click on play again.

Implication: The play after the end of the play, does not play unless you click on stop.

Workaround: The user must click stop first and then say play again.

Resolution: Better to put it in the user's manual.

15. WebMedia: DVD source is displayed in the video window after the source has been changed.

Description: The DVD source is displayed in the video window after the source has been changed. It is very hard to reproduce, because it only happens when source selections get skipped.

Implications: The video window does not get updated with the current source selection.

Workaround: select the source button again to change the source. If source options continue to be skipped, restart WebMedia.

Resolution: Undetermined

16. Webmedia: If select Stream source first, than select DVD source the original Stream source is displayed on the screen.

Description: Launch webmedia, play mpeg file by selecting stream source, then change the source to dvd, the mpeg clip is still playing. It will get stopped if you

1. After launching WebMedia, select source Stream
2. Click play button on the source control area, the opera1.mpg file is displayed on the screen
3. Select source DVD, the old stream file opera1.mpg is continually displayed on the screen
4. Click play button on the source control area, the picture is paused
5. Click play again, the DVD source is displayed on the screen.

Implication: You see a still image of opera1.mpg at the DVD source control

Workaround: You can still continue viewing other sources, the video will get overwritten.

Resolution: Undetermined.

17. Webmedia: The TV tuner label will not occur consistently

Description: This issue related to Cygnus_Linux_WebTV/iTV PSP package version 1.0.4 to reproduce:

1. connect TV antenna to Cygnus.
2. connect a Sony TV/NTSC to Cygnus through composite video out from Cygnus and composite video to TV.
3. launch web media application.
4. select TV tuner source.
5. type some numbers from the keyboard and hit ENTER key.
6. repeat step 5 few times.
7. click on "source" button few times just to surfing the video source.

Implication: The "TV tuner" label will disappear.

Workaround: Do another cycle of clicking sources.

Resolution: Undetermined.

18. The text that are highlight on the button in webmedia, menu bar shine unsteadily.

Description:

Program: Cygnus Linux NetTV/iTV PSP version 1.0.3

Hardware:

Cygnus rev. C board with Geode SC1200 processor, XpressROM1.03, 32 MB RAM, one IDE hard drive set up as a primary master, a DVD drive set up as a secondary master (with audio pass-through cable connected to board), and a floppy drive.

Software:

OS: RedHat 6.2, Linux kernel 2.4.0

Implication: The texts that are highlight on each button on the menu bar are shine unsteadily.

Workaround:

Resolution: Undetermined.

19. Networking does not work with all the Cygnus boxes.

Description: The network problem only occurs with some Cygnus boxes.

The problem is that the serial EEPROM is not flashed correctly on some cygnus boxes and they have the network interrupt disabled.

Implication: Network does not work,

Workaround: To enable the network interrupt in the EEPROM you must re-flash the EEPROM. To do this you need to boot your cygnus system to DOS and run the diag utility attached in issue #106.96 and select option 'E' to Initialize EEPROM with Default Values.

Resolution:

21. Webmedia: The channel up and down buttons work improperly

Description: In webmedia, go to tuner source and select channel up or channel down button, the display of the channel number does not change, it remains in 101.

But the frequency of the tuner is changed accordingly.

Implication: The channel display is not updated, so we don't know which channel we are in.

Workaround: The link to the html base need to be given

Resolution: Will be in the next release.

22. V4I2 version 114d does not work under xwindows for rev D1 silicon

Description: The V4I2 driver geode_v.o version 1.1.4d has a distorted TV image under X-windows with rev D1 silicon.

Implication: Image is distorted in X-windows, so video is not clear

Workaround: You must update the geode_v.o version to 1.1.6 versions or greater.

Resolution: None.

23. XvidTest: When playing DVD after pause the pause button stays selected after selecting play.

Description: In XvidTest application if you play a DVD and then pause it and then click the play button, the DVD continues playing were it left off but the pause button still looks as if it was in the pause state. Now if you Do pause again it does not pause because it thinks it was already pause. When you are in the pause state and a play is issued after pausing you should unshade the pause button and let it know that the DVD is playing so next time the pause button is click it pauses gain.

Implication: The pause button behavior is confusing

Workaround: While playing dvd, click on pause if the button shows if it is in pause state.

Resolution: Will be fixed in the next release.

24. Xvidtest: When playing DVD and you click the Fast-forward or Rewind button you cant stop fast-forward or Rewind mode.

Description: Once the fast forward or rewind mode is selected the normal speed is not retrieved even after clicking on play.

Implication: Cannot come back to normal speed mode

Workaround: Restart the dvd button and start playing again

Resolution: Will be fixed in the next release.

25. XvidTest: When you play DVD once you press stop you can't play the DVD again.

Description: When you are in Xvidtest and you play DVD and then Stop the DVD you can not play the DVD again. Once you click the Stop button for the DVD player you must first click the "Disk" button to disable the DVD menu and then click on the "Dvd" button to enable the DVD menu again then you can play DVD again.

Implication: Cannot continue playing after pressing stop button
Workaround: Restart the dvd menu by clicking on Disk button.
Resolution: Will be fixing this issue in the next release

26. Xvidtest: When playing DVD and if you select the "Lang" button it throws you out of the application.

Description: When you are playing DVD if you click on the "Lang" button. The application closes and exits to Xwindows.

Implication: The application exits

Workaround: Restart the application

Resolution: Will be fixing this issue in the next release.

27. Screen saver problem in X-windows

Description: Start x-windows, and leave it for sometime. After 10 minutes the monitor goes to power save mode.

Implication: Can't see anything on the CRT and TV screen

Workaround: move the mouse

Resolution: Need to do some research on this.

28. Webmedia: Pink screen will flash for about 1/3 of a second when switching between scaled and full screen video.

Description: In WebMedia when displaying overlaid Video, the video window will flash pink (the key color) for about 1/3 of a second when switching between scaled and full screen video.

Implication: The user will see a pink flash when switching between video modes

Workaround: One workaround is to use a key color that is less noticeable, like black or dark green.

Resolution: None

29. Xvidtest: The tuner video is still on even after it's deselection but the audio is off though.

Description: The tuner video is still on when it is deselected while audio is off though. For example, select tuner and get TV channel showing, and then deselect the tuner -- audio is off but the video is still on TV channel. Select analog, the TV still shows without sound, then select S-video or Composite -- it switch to analog video and audio.

Implication: Video of TV is viewed in spite deselection, till other source is clicked to play

Workaround: None

Resolution: Will be fixed in the next release.