



# **Intel® Quick Start Kit for Linux\***

## **Release Notes**

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*November 2004*

*Version 1.0*

Reference Number: C95012-001

# Legal Statements

If an FCC declaration of conformity marking is present on the board, the following statement applies:

## **FCC Declaration of Conformity**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions related to the EMC performance of this product, contact:

Intel Corporation  
5200 N.E. Elam Young Parkway  
Hillsboro, OR 97124  
1-800-628-8686

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit other than the one to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to the equipment not expressly approved by Intel Corporation could void the user's authority to use the equipment.

## **Canadian Department of Communications Compliance Statement**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

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# Revision History

Revision	Revision History	Date
-001	Final version of the Intel® Quick Start Kit for Linux* Release Notes.	November 2004



# 1 Introduction

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This document describes known issues in the Intel® Quick Start Kit for Linux\*.

## 2 Basic Office Automation Application Stack

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The Basic Office Automation Application Stack consists of the following applications. These applications were tested using the supported Linux distributions for the Intel Quick Start Kit for Linux.

<b>Application Type</b>	<b>Novell* Linux* Desktop Version 9</b>	<b>Red Flag* Desktop Version 4.1</b>	<b>Red Hat* Desktop Version 3 Update 3</b>
OpenOffice	OpenOffice* v1.1.3	OpenOffice v1.1.1	OpenOffice v1.1.0
Web Browser	Evolution* 1.4	Kontact 1.0	Evolution v1.4
Email	Mozilla* Firefox* v0.9.1	Mozilla 1.7	Mozilla v1.4.3
Desktop	Gnome* v2.6	KDE* 3.2.1	Gnome 2.2
Instant Messaging	GAIM*	Kopete* v0.8.1	GAIM
Acrobat (PDF)	Adobe Reader* 5.0	xPDF 3.00 (Enhanced by Red Flag* for Chinese support)	xPDF* and Adobe Reader 6.0
Macromedia Flash	Macromedia* Flash v7.0	Macromedia Flash v7.0	Macromedia Flash v7.0
Streaming Audio Video	Real Player* v10	Real Player v10	Real Player v10
Anti-Virus Software	Grisoft* AVG for Linux	Grisoft AVG for Linux	Grisoft AVG for Linux

## 3 Basic Office Automation Issues

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### 3.1 All Supported Linux Distributions:

- **OpenOffice compatibility with Microsoft\* Office Professional Edition 2003:** Forward compatibility works well with OpenOffice\*. Files created with Microsoft\* Office can be opened and edited with the corresponding applications in OpenOffice. A few problems were encountered with fonts (not all fonts are available and work well with Writer\*) and build foils in a presentation (Microsoft PowerPoint\* builds do not work well with Impress\*).
- **Grisoft AVG\* for Linux Installation:** When you download AVG by going to <http://www.intel.com/design/motherbd/software.htm>, Mozilla\* thinks that the RPM file (with extension .rpm) is a Real audio/video file and causes problems. To work around this, use a different Web browser like Konqueror\* (already available with default Red Hat\* installation) to download this RPM file.

### 3.2 Red Hat\* Version 3 Update 3

- **All applications are not included in default installation:** Red Hat default installation does not include Macromedia Flash\*, Adobe Reader\*, and Real Player\* and GAIM\* instant messenger. These applications need to be installed by choosing the appropriate options during the operating system installation process or downloaded from the vendor website and installed separately. See the following links for more information on downloading and installing these applications.
  - GAIM - <http://gaim.sourceforge.net/downloads.php>
  - Adobe - <http://www.adobe.com/products/acrobat/readstep2.html>
  - Macromedia - <http://www.macromedia.com>
  - Real Player - <http://www.real.com/player/?src=realplayer>
- **GAIM installation does not work on Red Hat:** GAIM is not available by default. During testing GAIM was downloaded from <http://gaim.sourceforge.net/downloads.php> and attempted to be installed. During installation the following error occurred:

```
[root@localhost root]# rpm -i gaim-1.0.2-0rh9.i386.rpm
warning: gaim-1.0.2-0rh9.i386.rpm: V3 DSA signature: NOKEY, key ID
83c1c14
error: Failed dependencies:
    libgtkspell.so.0 is needed by gaim-1.0.2-0rh9
```



### 3.3 Red Flag\* Desktop Version 4.1

- **Applications localized in Simplified Chinese:** All applications (except AVG) for Red Flag are in Simplified Chinese. Red Flag has performed this localization.
- **OpenOffice applications not installed:** Red Flag default installation does not install OpenOffice applications. These applications are contained in the installation CD #3 (tools).

## 4 Device Driver Issues

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### 4.1 Intel® Desktop Boards Based on the Intel® 915 Chipset

#### 4.1.1 Graphics Issues

##### 4.1.1.1 Red Flag\* Desktop 4.1

- **Known issues with video games when direct rendering is active:** When running Quake\* 3, some blocks do not display correctly. When running Tuxracer, the upper half of the screen does not display correctly. When playing some WMF files using Kaffeine, the right half of the screen might blur.

#### 4.1.2 Audio Issues

##### 4.1.2.1 Red Flag\* Desktop 4.1

- **Driver cannot work in both SMP and UP in one partition at the same time:** After installing the audio driver in UP and rebooting to UP, the driver works well. However, if you reboot to SMP the driver does not work. After installing the audio in SMP and rebooting to SMP, the driver works well. However, if you reboot to UP the driver does not work. You must install the driver again in UP in order to get it to work.
- **Micphone recorder is not correct.** There is no input volume control in kmix after installing the audio driver.





## 5 Platform-based Issues

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### 5.1 Intel® Desktop Boards Based on the Intel® 865 Chipset

#### 5.1.1 Audio Issues

##### 5.1.1.1 All Linux Distributions

- **On Intel® desktop boards containing three audio jacks, 6-channel audio does not appear to function:** Only 2-channel audio is enabled by default. No workaround exists for this issue. A fix is currently under investigation.

#### 5.1.2 Graphics Issues

##### 5.1.2.1 All Linux Distributions

- **Screen font problem:** In run level 3, if XFree86 is configured to 8-bit-color mode, when falling back to console mode from X-Windows, the screen fonts become dark and hardly recognized.

##### 5.1.2.2 Novell\* Linux Desktop 9

- **Accelerated Graphics is not enabled:** Support for Accelerated Graphics on this Linux distribution is not currently working for Intel desktop boards based on the Intel® 865 Chipset. A fix is currently under investigation.

#### 5.1.3 General Issues

##### 5.1.3.1 Red Flag\* Desktop 4.1

- **X-windows crash:** If using Virtual Screen in XF86Config-4, when playing video in X and moving the video window to the edge of the virtual screen, the X-windows crash.
- **USB-CDR/W ROM device does not mount correctly:** In USB testing, if the IDE CD/DVD-ROM device has a disc in and is mounted, the USB-CDR/W-ROM cannot mount its media correctly. You must restart the system and then remount the device.

## 5.2 Intel® Desktop Boards Based on the Intel® 915 Chipset

### 5.2.1 Audio Issues

#### 5.2.1.1 All Linux Distributions

- **Certain changes made utilizing the "alsamixer" utility are not reflected in the GUI:** This condition is a limitation of the "alsamixer" utility. Closing and then re-opening the "alsamixer" utility will refresh the GUI and correctly display recent changes.
- **Application volume controls do not work:** The application volume controls are not linked to the mixer settings. Use the mixer to change the volume.
- **On Intel desktop boards containing three audio jacks, 6-channel audio does not appear to function:** Only 2-channel audio is enabled by default. No workaround exists for this issue. A fix is currently under investigation.
- **On Intel desktop boards containing five audio jacks, "digital out" does not appear to function:** The "digital out" feature is disabled by default. No workaround exists for this issue. A fix is currently under investigation.
- **On Intel desktop boards containing five audio jacks, "digital out" appears to support only 2-channel audio:** There is no support for AC3. No workaround exists for this issue.
- **No audio is played when an audio CD is inserted:** Analog CD playback is not supported on Intel desktop boards based on the Intel® 915 Chipset. As a workaround use XMMS to change the CD playback options to use Digital Extraction. A permanent fix is currently under investigation.
- **CD audio playback through Digital Extraction has poor quality:** There is no workaround for this issue. A fix is currently under investigation.
- **Microphone does not record any sound:** Microphone recording is not supported on Intel desktop boards based on the Intel 915 Chipset. There is no workaround for this issue. A fix is currently under investigation.

#### 5.2.1.2 Novell\* Linux Desktop 9

- **No audio after installing the audio driver:** The volume is set to zero. Open a mixer control application and turn up the volume.



## 5.2.2 Graphics Issues

### 5.2.2.1 All Linux Distributions

- **The uninstall feature of the Automated Installer does not function:** Manually configure the system to use the "vesa" drivers and delete the "gdg.o" file from the system. A permanent fix for this issue is currently under investigation.
- **Intel® Graphics Media Accelerator driver does not load when using 8-bit (256) or lower color depth:** Change the color depth to 16-bit or higher. A permanent fix for this issue is currently under investigation.