

MOTODEV Studio/SDK for Java™ ME v2.2

Release Notes

For the latest version of these Release Notes, check the [MOTODEV](#) Web site.

ECCN 5D002.a

In accordance with United States Export Administration Regulations (EAR), and specifically the Commerce Control List (CCL), this item has been classified 5D002.a. Export or re-export of this commodity and compliance with the U.S. Export Administration Regulations is ultimately the responsibility of the exporter. For more detailed information related to export or re-export of this item, please consult the EAR at http://www.access.gpo.gov/bis/ear/ear_data.html.

Prerequisites

MOTODEV Studio/SDK for Java ME is fully tested for compatibility with the following system. Although MOTODEV Studio/SDK for Java ME may be compatible with other systems, Motorola offers support only for the systems described below.

- Linux
 - Java SE Runtime Environment (JRE) version 1.5 or later
 - Ubuntu 8.04, SuSe Enterprise 10 SP2, Red Hat Enterprise 5.0 and Fedora 9.0 distributions (using GNOME or KDE).
- Windows
 - Microsoft® Windows® XP SP3 or Windows Vista
 - [Java SE Runtime Environment \(JRE\) version 1.5 or later](#)
 - [QuickTime 7.1](#) or later is required for JSR 135 to play the following media types: .aac, .amr, .m4a, .mp3 and .mp4
 - [Java Card Development Toolkit 2.2.1](#) is required for the SIMConfig service
 - [Windows Media Player](#) must be installed to execute the Metadata Control functionality when that functionality is used in a MIDlet.
 - [Motorola USB driver](#) is required to use the MOTODEV Config Tool
- Mac OS
 - Mac OS X 10.5.4 or higher
 - 1.0GHz or greater processor
 - 1GB RAM or more
 - Approximately 2GB hard disk space
 - [Latest](#) Java Runtime Environment (Run Software Update to obtain it)
 - [The XQuartz X11 Package](#), the latest version according to your Mac OS 10.5.x

MOTODEV Studio/SDK for Java ME v2.2

Installation

For Windows and Linux Hosts

You must first have MOTODEV Studio/SDK for Java ME v2.0 or 2.1 installed. If not, download and run the installation file. Then use the built-in update management system to update to v2.2. You will find the update mechanism under *Help/Software Updates*.

NOTE: See the first Known Issue for All Hosts (below) about an Eclipse bug that can prevent updates and how to work around the bug.

For Mac OS Host

You must uninstall previous versions of MOTODEV Studio/SDK for Java ME. Then download and install MOTODEV Studio/SDK for Java ME v 2.2.

IMPORTANT: On Mac OS X, after you install MOTODEV SDK for Java ME v.2.2 *but before you use the update management system to download any additional or updated content*, back up `launchpad/configuration/config.ini`. Then, update the SDK and, before restarting, restore `config.ini`.

Compatibility with MOTODEV Studio/SDK for Java ME v1.x, Windows version

A workspace created with MOTODEV Studio for Java ME v1.x is not compatible with version 2.0. You must import the projects into the new workspace using the importing Wizard under File / Import / Java ME / EclipseME Project.

For further details please refer to the Help Contents, under Java ME Development User Guide / Reference / Wizards / Import EclipseME Projects.

Highlights in MOTODEV Studio/SDK for Java ME v2.2

Added Features

- **Demo Tool:** A tool that enables you to view information and screenshots from available demo MIDlets, and makes it possible to import the MIDlet project directly into Studio for Java ME.
- **Motorola Properties Editor:** An editor for Mobile Tools for Java that enables you to configure properties such as Flip Sensitive state in MIDlet projects.
- **Network Monitor:** A service that monitors and analyses data packages from various protocols.
- **Network Speed:** An emulator feature that enables you to select the data transmission speed for the emulated device.

- **Windows Vista support:** MOTODEV Studio for Java ME can now run on Windows Vista host systems.

Supported Devices

- Aura
- A1600
- A910/A910i
- G24-J HMI
- G24-J OEM
- MOTO A810
- MOTO Q 8 (CMCC)
- MOTO Q 9h Family
- MOTO Q 11
- MOTO VE66
- MOTO W388
- MOTO W397 (also works for MOTO W396)
- MOTO Z10
- MOTO Z6w
- MOTO Z8
- MOTO Z9/Z9n
- MOTO ZN200
- MOTOACTV W6
- MOTOKRZR K1
- MOTOKRZR K3/K3m
- MOTOMING A1200/A1200e/A1200i/A1200r
- MOTOPEBL U3
- MOTORAZR maxx V6
- MOTORAZR V3 (CLDC 1.1)
- MOTORAZR V3i
- MOTORAZR V3xx
- MOTORAZR VE20
- MOTORAZR2 V8 Family
- MOTORAZR2 V9
- MOTORAZR2 V9x
- MOTORIZR Z3
- MOTOROKR E2
- MOTOROKR E6/E6e
- MOTOROKR E8
- MOTOROKR EM28/EM330
- MOTOROKR EM30
- MOTOROKR U9
- MOTOROKR Z6
- MOTOSLVR L7i/L7e/L71
- MOTOSLVR L9/L72
- MOTOZINE ZN5
- ROKR EM25/MOTO EM325
- ROKR EM35
- V1100
- VE538
- W490

- W510
- W760r/VA76r

Features

- **Video Playback:** Supports MPEG-1 and AVI video files (Windows only).
- **Keyboard input:** Enables you to use the keyboard as input for the Emulator
- **Hosts Supported:** Linux, Windows and Mac OS
- **Base Platform:** Eclipse 3.4
- **JSR 180 Service:** Emulates a SIP server to make it easy to develop MIDlets that use JSR 180
- **On-device debug Tool:** Debug on Motorola OS and MOTOMAGX devices (Windows only)
- **Deployment Tool:** Enables you to send an application to a handset and trace application download and execution.
- **Bluetooth Remote Control Service:** Provides a remote control mechanism to send video and audio events to a device.
- **Internationalization Tool:** Provides a standard way to internationalize mobile applications for the Java ME platform.
- **Network Proxy:** Provides a way to configure a network proxy server.
- **Landmark Storage Service:** Provides a way to manage the main Landmark Storage configuration file, allowing MIDlets that use JSR 179 to access stored information. You can now register, exclude, research and exhibit Landmarks.
- **G24:** MOTODEV Studio/SDK for Java ME now supports Java ME development for Motorola G24 wireless modules. Users can choose a G24 device from the handset list to emulate G24 behavior.
- **Java ME Emulator:** uses the Java Runtime Environment to simulate the MIDlet environment in Motorola handsets, with an interactive "skin" of the handsets.
- **Bluetooth Service** enables Bluetooth communication among multiple emulated handsets.
- **WMA Test Server:** enables multiple emulated handsets to send and receive SMS and MMS messages.
- **Location service:** simulates a set of geographical locations integrated with the JSR179 Location API. It reads a script file containing a specific route of geographical locations and upon request provides information about the current geographical location, such as longitude, latitude, altitude, speed, and course.
- **Libraries for Java ME development for Motorola handsets:** include CLDC 1.1, MIDP 2.0, JSRs 75, 120, 135, 172, 177,184, 185, 205, and Motorola-specific APIs, such as Secondary Display API and Scalable Image Enhancements. Not all APIs are supported on all hosts. Please check the Known Issues section for restrictions.
- **Update Management:** keeps installed components up to date; responsible for authenticating the user, downloading, and installing new features.
- **Sample MIDlets and tutorials.**
- **Context-sensitive Help and Integrated documentation** that includes Javadocs, user guides, and Motorola device specifications listing supported Java and Motorola APIs as well as media formats.

- **NetBeans support** in MOTODEV Studio for Java™ ME with the ability to import NetBeans Projects into the current workspace. (MOTODEV Studio for JavaME Only)
- **SIMConfig Service:** Allows the user to create SIM card configurations that can be used with emulated handsets. Presented as a View in MOTODEV Studio for Java™ ME. (Windows only).
- **Signing Tool:** Allows you to import certificates and then sign MIDlet suites with them. Consult Motorola's application [testing and signing procedures](#) for Java ME for details.
- **Config Tool:** Provides an easy way to read/write some specific internal Motorola handset configurations, e.g., read IMEI and UID and both read and write JAL and KDWP flex bits. (Windows only).
- **Certificate Manager:** The Certificate Manager tool allows you to manage the emulator certificates used to establish secure network connections with HTTPS and SSL protocols.
- **Javadoc available within file editor:** Allows you to view attached Javadocs directly from the source code.

APIs

- G24 moto2moto
- JSR 118 - MIDP 2.0
- JSR 120 - Wireless Messaging API 1.0
- JSR 135 - Mobile Media API
- JSR 139 - CLDC 1.1
- JSR 172 - Web Services Parser
- JSR 172 - Web Services RPC
- JSR 177 - PKI
- JSR 177 - Security and Trust Services (APDU) (Windows Only)
- JSR 177 - Security and Trust Services (Crypto)
- JSR 179 - Location
- JSR 180: SIP API for J2ME
- JSR 184 - Mobile 3D Graphics
- JSR 185 - Java Technology for the Wireless Industry
- JSR 205 - Wireless Messaging API 2.0
- JSR 211: Content Handler API
- JSR 226 - Scalable 2D Vector Graphics API for J2ME
- JSR 234: Advanced Multimedia Supplements
- JSR 234: Advanced Multimedia Supplements (Tuner)
- JSR 238: Mobile Internationalization API
- JSR 239: Java Binding for the OpenGL® ES API
- JSR 248 Full: Mobile Service Architecture
- JSR 248 Subset: Mobile Service Architecture Subset

- JSR 75 - Fileconnection
- JSR 75 - PIM
- JSR 82 - Bluetooth
- Motorola 3D (Windows only)
- Motorola Bluetooth Remote Control
- Motorola Funlights v2
- Motorola Get URL from Flex
- Motorola PIM Enhancements
- Motorola PIM Enhancements (without ToDo)
- Motorola Scalable Image
- Motorola Scalable Image Enhancements
- Motorola Scalable JPG Image
- Motorola Secondary Display
- Touch Sensor Music Player Buttons

Known Issues

V2.2 All Hosts

- Due to an Eclipse bug regarding HTTPS repository sites and Java 6 ([Bug #6771432](#)), the update feature might not work if you have Java 6 Update 10, 11 or 12. You can:
 - Roll back to an older JRE version -- JRE 6 Update 9 or older
- Some product specification sheets are incomplete. MOTORAZR VE20 only supports JSR118 (MIDP 2.0), and not MIDP 2.1; and Generic Device implements JSR120, but it is not displayed because the JSR-205 implementation already covers the JSR-120.
- Although the Aura, A810 and MOTORAZR VE20 devices support CLDC 1.1.3, the emulation in MOTODEV Studio for Java ME v2.2 supports only CLDC 1.1.
- We recommend using the manual Proxy configuration instead of automatically using the system settings
- A maximum of five MIDlets per MIDlet suite can be deployed to a device running Motorola OS
- The ability of the Java ME emulator to play video files is constrained by the RAM on your system. The average supported file is around 1 minute long, at 30 fps with a 160 x 120 resolution
- Loop playback is not supported on JSR 135
- Full Screen is not supported during video playback on JSR-135
- After creating 2 contacts on SIP Proxy Service, a third "null" contact may be added
- After updating from versions 2.0 or 2.1 to 2.2, the Z9 and W397 handsets have duplicate emulators called Z9/Z9N and W396/W397, respectively. The 2.2 installer does not have this issue
- A generic picture is displayed in MotoConfig tool for devices Moto VE66 and RORK EM35.
- The signing command line feature referenced in Help documentation is not working.
- The online help indicates that JAR and JAD files can be found directly within a project's `deployed` directory. As of version 2.2, this is not correct: JAR and JAD files are now created in a directory named for the target device within the `deployed` directory. For instance, the JAD file for a Hello World application targeted to the Generic device would be found in `workspace_directory\HelloWorld\deployed\GENERIC\HelloWorld.jad`.

V2.2 Linux

- JSR 177 PKI is not supported
- Video playback, AMR Audio playback, and Read audio metadata are not supported on JSR 135
- Both SIM Config and Config Tool are not supported
- Although they are displayed in the context-sensitive Help for Java ME Options, both SIM Config and Config Tool are only available for Windows host systems.
- WAV playback is not supported by Fedora 9.0.
- The following media formats are not currently supported: .3ga, .3gp, .adif, .adts, .asf, .au, .awb, .m4a, .mpga, .ra, .ram, .rm, .wma.
- Domain Policy is not enabled in PIM API. This functionality is responsible for asking the user if the MIDlet is allowed access to the file system.
- Viewing the Impronto service help (*MOTODEV Studio for Java ME Documentation > Studio for Java ME Services > Impronto Simulator*) might crash MOTODEV Studio in some Linux distributions such as Ubuntu. The workaround is to configure the help system to use the external browser (*Windows -> Preferences -> Help: Check "Use External Browser"*) to view Impronto help files.
- JSR-177 APDU is not supported
- Motorola 3D API is not supported
- Installer custom icons are not supported (This is an InstallJammer limitation)

V2.2 Mac OS

- JSR 177 PKI is not supported
- Video playback is not supported on JSR 135
- Both SIM Config and Config Tool are not supported
- JSR-184 and Motorola 3D APIs are not supported
- Demo MIDlet Scene3D is not supported
- JSR-177 APDU is not supported
- Welcome screen: The icon descriptions are incomplete. This is a Mac OS Eclipse issue.
- There is an Eclipse bug ([Bug #260644](#)) when updating the SDK and clicking yes to restart the SDK. The workaround is to make a backup of `launchpad/configuration/config.ini` before updating the SDK and then replacing `config.ini` with the backed up version after the update.

Legal Notices

MOTODEV Studio/SDK for Java™ ME includes some open source and third party code. This section contains relevant legal notices.

- **InstallJammer**

Tcl/Tk License 1.4

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions.

BSD 1.4

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License version 2 as published by the Free Software Foundation.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License version 2 for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the

Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1301, USA.

“At least a portion of this distribution is licensed under a BSD license with the following terms:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the University of California at Berkeley nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.”

Zlib 1.4

Copyright (C) 1995-2005 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

UPX (<http://upx.sourceforge.net/upx-license.html>)

UPX and UCL are copyrighted software. All rights remain with the authors.

UPX is Copyright (C) 1996-2000 Markus Franz Xavier Johannes Oberhumer

UPX is Copyright (C) 1996-2000 Laszlo Molnar

UCL is Copyright (C) 1996-2000 Markus Franz Xavier Johannes Oberhumer

GNU GENERAL PUBLIC LICENSE Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an

announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program. In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However,

parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

- **The Apache Software License, Version 1.1**

Copyright (c) 2000 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>)." Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.
4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

Portions of this software are based upon public domain software originally written at the National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.

- **The Legion Of The Bouncy Castle**

Copyright (c) 2000 - 2006 The Legion Of The Bouncy Castle (<http://www.bouncycastle.org>)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

- **The MX4J License, Version 1.0**

This product includes software developed by the MX4J project (<http://mx4j.sourceforge.net>).

Copyright (c) 2001 MX4J. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by the MX4J project (<http://mx4j.sourceforge.net>)." Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.
4. The names "MX4J" and "mx4j" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact biorn_steedom@users.sourceforge.net
5. Products derived from this software may not be called "MX4J", nor may "MX4J" appear in their name, without prior written permission of Simone Bordet.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CARLOS QUIROZ OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

- **Eclipse Public License - v 1.0**

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

- a) In the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) In the case of each subsequent Contributor:
 - i) Changes to the Program, and
 - ii) Additions to the Program;

Where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a nonexclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a nonexclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the

Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) It complies with the terms and conditions of this Agreement; and

b) Its license agreement:

i) Effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) Effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) States that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) States that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) It must be made available under this Agreement; and

b) A copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged

intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity.

Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

- **Sun Microsystems, Inc.**

Binary Code License Agreement

READ THE TERMS OF THIS AGREEMENT AND ANY PROVIDED SUPPLEMENTAL LICENSE TERMS (COLLECTIVELY "AGREEMENT") CAREFULLY BEFORE OPENING THE SOFTWARE MEDIA PACKAGE. BY OPENING THE SOFTWARE MEDIA PACKAGE, YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCESSING THE SOFTWARE ELECTRONICALLY, INDICATE YOUR ACCEPTANCE OF THESE TERMS BY SELECTING THE "ACCEPT" BUTTON AT THE END OF THIS AGREEMENT.

IF YOU DO NOT AGREE TO ALL THESE TERMS, PROMPTLY RETURN THE UNUSED SOFTWARE TO YOUR PLACE OF PURCHASE FOR A REFUND OR, IF THE SOFTWARE IS ACCESSED ELECTRONICALLY, SELECT THE "DECLINE" BUTTON AT THE END OF THIS AGREEMENT.

1. LICENSE TO USE.

Sun grants you a non-exclusive and non-transferable license for the internal use only of the accompanying software and documentation and any error corrections provided by Sun (collectively "Software"), by the number of users and the class of computer hardware for which the corresponding fee has been paid.

2. RESTRICTIONS.

Software is confidential and copyrighted. Title to Software and all associated intellectual property rights is retained by Sun and/or its licensors. Except as specifically authorized in any Supplemental License Terms, you may not make copies of Software, other than a single copy of Software for archival purposes.

Unless enforcement is prohibited by applicable law, you may not modify, decompile, or reverse engineer Software. Licensee acknowledges that Licensed Software is not designed or intended for use in the design, construction, operation or maintenance of any nuclear facility. Sun Microsystems, Inc. disclaims any express or implied warranty of fitness for such uses.

No right, title or interest in or to any trademark, service mark, logo or trade name of Sun or its licensors is granted under this Agreement.

3. LIMITED WARRANTY.

Sun warrants to you that for a period of ninety (90) days from the date of purchase, as evidenced by a copy of the receipt, the media on which Software is furnished (if any) will be free of defects in materials and workmanship under normal use.

Except for the foregoing, Software is provided "AS IS". Your exclusive remedy and Sun's entire liability under this limited warranty will be at Sun's option to replace Software media or refund the fee paid for Software.

4. DISCLAIMER OF WARRANTY.

UNLESS SPECIFIED IN THIS AGREEMENT, ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT THESE DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

5. LIMITATION OF LIABILITY.

TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL SUN OR ITS LICENSORS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE SOFTWARE, EVEN IF SUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

In no event will Sun's liability to you, whether in contract, tort (including negligence), or otherwise, exceed the amount paid by you for Software under this Agreement.

The foregoing limitations will apply even if the above stated warranty fails of its essential purpose.

6. TERMINATION.

This Agreement is effective until terminated.

You may terminate this Agreement at any time by destroying all copies of Software.

This Agreement will terminate immediately without notice from Sun if you fail to comply with any provision of this Agreement.

Upon Termination, you must destroy all copies of Software.

7. EXPORT REGULATIONS.

All Software and technical data delivered under this Agreement are subject to US export control laws and may be subject to export or import regulations in other countries.

You agree to comply strictly with all such laws and regulations and acknowledge that you have the responsibility to obtain such licenses to export, re-export, or import as may be required after delivery to you.

8. U.S. GOVERNMENT RESTRICTED RIGHTS.

If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation will be only as set forth in this Agreement; this is in accordance with 48 CFR 227.7201 through 227.7202-4 (for Department of Defense (DOD) acquisitions) and with 48 CFR 2.101 and 12.212 (for non-DOD acquisitions).

9. GOVERNING LAW.

Any action related to this Agreement will be governed by California law and controlling U.S. federal law.

No choice of law rules of any jurisdiction will apply.

10. SEVERABILITY.

If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

11. INTEGRATION.

This Agreement is the entire agreement between you and Sun relating to its subject matter.

It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement.

No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

• **JAVA OPTIONAL PACKAGE J**

AVAX.COMM 3.0

SUPPLEMENTAL LICENSE TERMS

These supplemental license terms ("Supplemental Terms") add to or modify the terms of the Binary Code License Agreement (collectively, the "Agreement"). Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Agreement.

These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Agreement, or in any license contained within the Software.

1. Software Internal Use and Development License Grant.

Subject to the terms and conditions of this Agreement, including, but not limited to Section 3 (Java(TM) Technology Restrictions) of these Supplemental Terms, Sun grants you a non-exclusive, non-transferable, limited license to reproduce internally and use internally the binary form of the Software, complete and unmodified, for the sole purpose of designing, developing and testing your Java applets and applications ("Programs").

2. License to Distribute Software.

In addition to the license granted in Section 1 (Software Internal Use and Development License Grant) of these Supplemental Terms, subject to the terms and conditions of this Agreement, including but not limited to, Section 3 (Java Technology Restrictions) of these Supplemental Terms, Sun grants you a nonexclusive, non-transferable, limited license to reproduce and distribute the Software in binary code form only, provided that you (i) distribute the Software complete and unmodified and only bundled as part of your Programs, (ii) do not distribute additional software intended to replace any component(s) of the Software, (iii) do not remove or alter any proprietary legends or notices contained in the Software, (iv) only distribute the Software subject to a license agreement that protects Sun's interests consistent with the terms contained in this Agreement, and (v) agree to defend and indemnify Sun and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software.

3. Java Technology Restrictions.

You may not modify the Java Platform Interface ("JPI", identified as classes contained within the "java" package or any subpackages of the "java" package), by creating additional classes within the JPI or otherwise causing the addition to or modification of the classes in the JPI.

In the event that you create an additional class and associated API(s) which (i) extends the functionality of the Java platform, and (ii) is exposed to third party software developers for the

purpose of developing additional software which invokes such additional API, you must promptly publish broadly an accurate specification for such API for free use by all developers. You may not create, or authorize your licensees to create additional classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun" or similar convention as specified by Sun in any naming convention designation.

4. Trademarks and Logos.

You acknowledge and agree as between you and Sun that Sun owns the SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET trademarks and all SUN, SOLARIS, JAVA, JINI, FORTE, and iPLANET-related trademarks, service marks, logos and other brand designations ("Sun Marks"), and you agree to comply with the Sun Trademark and Logo Usage Requirements currently located at <http://www.sun.com/policies/trademarks>. Any use you make of the Sun Marks inures to Sun's benefit.

5. Source Code.

Software may contain source code that is provided solely for reference purposes pursuant to the terms of this Agreement.

Source code may not be redistributed unless expressly provided for in this Agreement.

6. Termination for Infringement.

Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

For inquiries please contact:

Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, California 95054.
(LFI#143217/Form ID#011801)

• **JAVA ADVANCED IMAGING DISTRIBUTION LICENSE (VER. 1.1.X)**

JAI

I. LICENSE GRANTS, TERMS AND RESTRICTIONS

1.0 General License Terms. This Java Distribution License ("JDL") is between Sun Microsystems, Inc. ("Sun") and You where "You" means the individual or legal entity exercising rights under this JDL. "Technology" means the following as provided under this JDL: (i) the source code and binary code from the Reference Implementation ("RI") of the Java™ Advanced Imaging version 1.1.x Specification (the "Specification") and related documentation, all as revised or upgraded and made available hereunder; and (ii) the associated technology compatibility kit ("TCK"). The TCK contains the TCK documentation, MOTODEV Studio/SDK for Java™ ME v1.0 Release Notes Page 12 The Motorola developer network user's guide ("TCK User's Guide"), test tools and test suite associated with the Specification, as revised or upgraded by Sun. The TCK is provided so that You may determine if Your implementation is compliant with the Specification. "Modifications" means any (i) change or addition to or derivative of the Technology; or (ii) new source or object code implementing the Specification for the Technology. "Commercial Use" means: (i) Your use of the RI and/or Modifications as part of a Compatible Implementation within Your business or organization, but only by Your employees or agents; and/or (ii) any use or distribution, directly or indirectly by You of the RI and/or Modifications as part of a Compatible Implementation to any third party, alone or bundled with any other software or hardware, for direct or indirect commercial or strategic gain or advantage. By Your use or distribution of the Technology and Modifications, You agree to the terms of this JDL.

2.0 License Grants, Restrictions and Termination.

2.1 Commercial Use and Internal Deployment License Grants. Subject to the terms of this JDL, Sun grants to You, to the extent of Sun's licensable copyrights, patents and trade secrets in the RI, a limited, nonexclusive, non-transferable, worldwide and royalty-free license to modify, compile, reproduce, distribute, internally use and internally deploy code and related

documentation from the RI and/or Modifications for Commercial Use, but only as part of Your own Compatible Implementation (as defined below), and only if You make such distributions as follows:

(i) Source Code. You can only distribute source code for the RI and Modifications under all of the following conditions: (a) You make such distribution under the terms of this JDL; (b) without offering or imposing any different terms; (c) to a recipient who has accepted the terms of this JDL; and (d) You provide a copy of this JDL to each such recipient;

(ii) Binary Code. You can distribute binary code for the RI and Modifications but only under license terms which (a) have been accepted by the recipient; (b) are consistent, and not conflicting, with the terms of the JDL; and (c) where such terms are no less protective of Sun than the terms of this JDL.

2.2 TCK License Grant. Subject to the terms of this JDL, Sun grants to You, to the extent of Sun's licensable copyrights, patents and trade secrets in the TCK, a limited, non-exclusive, non-transferable, worldwide and royalty-free license to internally use the TCK for the sole purpose of developing and testing Your Compatible Implementations (as defined below).

2.2.1 TCK Master Support Agreement. If you desire support for the TCK, You may execute a separate TCK master support agreement with Sun.

2.2.2 TCK Use Terms. Your TCK license grant hereunder is expressly conditioned upon your continued adherence to the following restrictions:

(i) You may not sublicense or distribute the TCK to any third party except for any specific TCK code files identified as redistributables in the TCK User's Guide ("Redistributables"), but only: (a) as part of a TCK Adaptor accompanying a Compatible Implementation (where a "TCK Adaptor" means a program that effects interoperability between the TCK and the Compatible Implementation); and (b) pursuant to a license agreement that protects Sun's interests consistent with the terms of the JDL;

(ii) You may not create derivative works of the TCK nor of any of its components except for the Redistributables in a TCK Adaptor;

(iii) You may not disassemble or decompile binary portions of the TCK's test suites or test tools or otherwise attempt to derive the source code from such binary portions;

(iv) You may not develop other test suites intended to validate compatibility with the Specification to which the TCK licensed hereunder corresponds;

(v) You may not use the TCK to test a third party's product;

(vi) You may not make Commercial Use of code which implements any portion of the Specification unless such code is included in a Compatible Implementation;

(vii) You may disclose Test Reports (where "Test Reports" means those reports generated by the TCK which identify only configuration information and the status of individual or aggregate test executions) for an implementation which You are attempting to certify in accordance with the terms of this JDL for the sole purpose of making Your implementation a Compatible Implementation, but you may not make any claims of comparative compatibility nor disclose any other TCK testing information to any party. For example, You cannot claim that Your implementation is "nearly compatible" or "98% compatible." When You share Test Reports in any public forum, including mailing lists, marketing material or press releases, and Your implementation is not a Compatible Implementation, You must state that Your implementation is "not compatible;" and (viii) You will protect the TCK as confidential information of Sun and, except as expressly authorized herein, You may not disclose the TCK to any third party. This obligation of confidentiality with respect to the TCK will survive any termination or expiration of this JDL.

2.3 Term and Termination. This JDL shall have an initial term of three (3) years after your acceptance of this JDL and shall thereafter automatically renew for additional one year terms unless either party provides notice to the other party sixty (60) days prior to an anniversary date.

The license grants of this JDL, are expressly conditioned upon Your not acting outside their scope, and Your continued compliance with the material provisions of this JDL. All license grants under this JDL will automatically and immediately be revoked without notice if You fail to so comply. Upon termination or expiration of this JDL, You must discontinue all use and distribution of the Technology and any Compatible Implementation licensed under this JDL. All sublicenses You have properly granted hereunder shall survive termination or expiration of Your

rights under the JDL. Provisions which should, by their nature, remain in effect after termination or expiration shall survive, including, without limitation, the provisions of Article II (General Terms) and the TCK confidentiality obligations under this JDL.

2.4 General License Restrictions. Some portions of the Technology are provided with notices and/or open source or other licenses from other parties which govern the use of those portions. Your use or distribution of encryption technology contained within the Technology is subject to all applicable governmental regulations of the United States of America and the country where the Technology is deployed. You agree to comply with the U.S. export controls and trade laws of other countries that apply to the Technology and Compatible Implementations. You acknowledge that the Technology is not designed, licensed or intended for use in the design, construction, operation or maintenance of any nuclear facility. Other than the rights granted herein, Sun retains all rights, title, and interest in the Technology.

3.0 Compatibility and Use of the TCK.

3.1 Compatible Implementation TCK Requirements. Your use of the RI and/or Modifications as part of an implementation of the Specification is a "Compatible Implementation" if the implementation meets the following requirements:

3.1.1 A Compatible Implementation must comply with the full Specification, including all its required interfaces and functionality;

3.1.2 A Compatible Implementation must either: (i) pass the most current compatibility requirements (as defined by the TCK User's Guide) which were made available by Sun one hundred twenty (120) days before first commercial shipment ("FCS") of each version of the Compatible Implementation (eg. if Your FCS was December 31, 2003, You must have passed the most current version of the TCK as of September 2, 2003); or (ii) at Your option, pass all the compatibility requirements of a newer version of the TCK and its associated TCK User's Guide;

3.1.3 A Compatible Implementation may not modify the functional behavior of the "Java Classes" which means the specific class libraries associated with the Technology; and

3.1.4 A Compatible Implementation may not modify, subset, superset or otherwise extend the Licensor Name Space, nor include any public or protected packages, classes, Java interfaces, fields or methods within the Licensor Name Space other than those required and/or authorized by the Specification.

"Licensor Name Space" means the public class or interface declarations whose names begin with "java", "javax", "com.sun" or their equivalents in any subsequent naming convention adopted by Sun through the Java Community Process, or any recognized successors or replacements thereof.

3.2 Self-Certification for Compatibility. You shall self-certify that Your Compatible Implementation passes the applicable TCK as set forth above, if and when Your Compatible Implementation in fact does so, provided that:

3.2.1 If Sun policy (as communicated to You by Sun) also requires verification of compatibility for Your Compatible Implementation then You shall, prior to the FCS of the Compatible Implementation, submit verification of compatibility to Sun or to an independent test facility designated by Sun. If such verification is by an independent test facility, then the reasonable costs of such activity (including any applicable fees) shall be at Your expense. Sun may publish or otherwise disclose Your test results.

3.2.2 Upon thirty (30) days written notice by Sun, and no more than two (2) times per calendar year, You shall permit Sun or its authorized representative to inspect and test any Compatible Implementation which has been self-certified per this subsection 3.2 to ensure that such Compatible Implementation meets the compatibility and other requirements for a Compatible Implementation as set forth herein. The reasonable costs of such inspection shall be at Sun's expense; provided, however, that You shall reimburse Sun for such costs if the inspection reveals that the Compatible Implementation does not meet such requirements and these deficiencies are not cured within thirty (30) days.

4.0 Fees and Royalties. There are no fees or royalties associated with the license grants for the Technology licensed under this JDL.

II. GENERAL TERMS

5.0 No Warranty. THE TECHNOLOGY AND/OR MODIFICATIONS ARE PROVIDED "AS IS", WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS, IMPLIED OR STATUTORY INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE TECHNOLOGY AND/OR MODIFICATIONS ARE FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF THIRD PARTY RIGHTS. YOU AGREE THAT YOU BEAR THE ENTIRE RISK IN CONNECTION WITH YOUR USE AND DISTRIBUTION OF ANY AND ALL TECHNOLOGY AND/OR MODIFICATIONS UNDER THIS JDL. SOME JURISDICTIONS DO NOT PERMIT THE EXCLUSION OF IMPLIED WARRANTIES SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU.

6.0 Infringement Claims. Sun may terminate this JDL, in Sun's sole discretion, upon any action initiated by You alleging that the use or distribution of the Technology and/or Modifications by Sun, or any other licensee of the Technology and/or Modifications, infringes a patent owned or controlled by You. In addition, if any portion of, or functionality implemented by, the Technology becomes the subject of a claim or threatened claim of infringement ("Affected Materials"), Sun may, at its sole option, (i) attempt to procure the rights necessary for You to continue using the Affected Materials, (ii) modify the Affected Materials so that they are no longer infringing, or (iii) immediately suspend Your rights to use and distribute the Affected Materials under this JDL by providing notice of suspension to You in a reasonable manner, and refund to You the amount, if any, having then actually been paid by You to Sun under this JDL, on a straight line, five year basis.

7.0 Limitation of Liability. Sun will be not be liable for any claims relating to, or arising out of, this JDL, whether in tort, contract or otherwise, in an amount in excess of any annual license fees You paid to Sun for the Technology. IN NO EVENT WILL SUN BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES IN CONNECTION WITH OR ARISING OUT OF THIS JDL (INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS, USE, DATA, OR ECONOMIC ADVANTAGE OF ANY SORT), HOWEVER IT ARISES AND UNDER ANY THEORY OF LIABILITY (INCLUDING NEGLIGENCE), REGARDLESS OF WHETHER OR NOT SUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

FURTHERMORE, LIABILITY UNDER THIS JDL SHALL BE SO LIMITED AND EXCLUDED, NOTWITHSTANDING FAILURE OF THE ESSENTIAL PURPOSE OF ANY REMEDY. TO THE EXTENT ANY INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES YOU INCUR FOR ANY REASON WHATSOEVER CANNOT BE DISCLAIMED THEN THE ENTIRE LIABILITY OF SUN UNDER ANY PROVISION OF THIS JDL, AND YOUR EXCLUSIVE REMEDY FOR ANY SUCH DAMAGES, SHALL BE LIMITED TO THE GREATER OF THE AMOUNT ACTUALLY PAID BY YOU FOR THE TECHNOLOGY OR FIVE HUNDRED US DOLLARS, WHICHEVER IS GREATER. SOME JURISDICTIONS DO NOT PERMIT THE EXCLUSION OR LIMITATION OF INCIDENTALS OR CONSEQUENTIAL DAMAGES SO THE ABOVE EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8.0 Support. Sun does not provide any support for the Technology or the TCK to either You or Your customers under this JDL. Support for the TCK is provided under a separate TCK master support agreement. If You desire support for the RI, You may contact Sun. You are solely responsible for providing all support to Your customers with respect to the Technology, TCK, Modifications and/or Compatible Implementation.

9.0 Marketing and Press Announcements. Your initial press announcement concerning execution of this JDL must be reviewed and approved by Sun prior to its release. You hereby authorizes Sun to include You in a published list of licensees of the Technology. Sun shall also be authorized to use Your name in advertising, marketing collateral, and customer success stories prepared by or on behalf of Sun for the Technology subject to Your prior approval, such approval not to be unreasonably withheld or delayed.

10.0 Notices. All notices required by this JDL must be in writing. Sun shall deliver notice to You via either e-mail or by physical mail based on the information You provided to Sun when you accepted this JDL. Notices by You to Sun will be effective only upon receipt by Sun at the following physical addresses: Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Attn.: Sun Software VP of Sales, cc: General Counsel, cc: Product Law Legal Department or to such different address as Sun provides on the Technology Site for such purpose.

11.0 Proprietary Rights Notices and Branding Requirements. There are no specific branding requirements associated with the Technology under this JDL. You may not remove any copyright notices, trademark notices or other proprietary legends of Sun or its suppliers contained on or in the Technology, including any notices of licenses for open source components. You agree to comply with the Sun Trademark and Logo Usage Requirements currently located at <http://www.sun.com/policies/trademarks>. Except as provided in this JDL, no right, title or interest to Sun's trademarks, brands or logos is granted herein.

12.0 U.S. Government End Users. The Technology and Modifications are a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Technology and/or Modifications with only those rights set forth herein. You agree to pass this notice to Your licensees.

13.0 Miscellaneous. This JDL is governed by the laws of the United States and the State of California, as applied to contracts entered into and performed in California between California residents. The relationship created under this JDL is that of licensor and licensee and does not create any other relationship such as a partnership, franchise, joint venture, agency or employment relationship between the parties. This JDL may not be assigned or transferred by either party without the prior written consent of the other party, which consent shall not be unreasonably withheld or delayed, except that Sun may assign: (i) to an affiliated company, or (ii) in the event of a merger, acquisition or sale of all or substantially all of the assets of Sun. Any express waiver or failure to exercise promptly any right under this Agreement will not create a continuing waiver nor any expectation of non-enforcement. The disclaimer of warranties and limitations of liability constitute an essential basis of the bargain in this JDL. This JDL represents the complete agreement of the parties concerning the subject matter hereof and may not be modified or amended in whole or part, except by a written instrument signed by the parties' authorized representatives. Nothing herein shall supersede or modify the terms of any separate signed written license agreement You may have executed with Sun regarding the Technology.

- **kxml parser**

Copyright (c) 2002, 2003, Stefan Haustein, Oberhausen, Rhld., Germany

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

- **Sip-for-me**

The software was developed by employees of the National Institute of Standards and Technology (NIST), an agency of the Federal Government. Pursuant to title 15 United States Code Section 105, works of NIST employees are not subject to copyright protection in the United States and are considered to be in the public domain. As a result, a formal license is not needed to use the software.

The NIST-SIP software is provided by NIST as a service and is expressly provided "AS IS." NIST MAKES NO WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT AND DATA ACCURACY. NIST does not warrant or make any representations regarding the use of the software or the results thereof, including but not limited to the correctness, accuracy, reliability or usefulness of the software.

Permission to use this software is contingent upon your acceptance of the terms of this agreement and upon your providing appropriate acknowledgments of NIST's ownership of the software.

Copyright © 2009, Motorola, Inc. All rights reserved.