



# Dolby Atmos Plug-ins

## Third-Party Software

23 May 2019  
Confidential information

# Notices

## Copyright

© 2019 Dolby Laboratories. All rights reserved.

### **Dolby Laboratories, Inc.**

1275 Market Street  
San Francisco, CA 94103-1410 USA  
Telephone 415-558-0200  
Fax 415-645-4000  
<http://www.dolby.com>

## Trademarks

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

The following are trademarks of Dolby Laboratories:

Dialogue Intelligence™	Dolby Theatre®
Dolby®	Dolby Vision™
Dolby Advanced Audio™	Dolby Voice®
Dolby Atmos®	Feel Every Dimension™
Dolby Audio™	Feel Every Dimension in Dolby™
Dolby Cinema™	Feel Every Dimension in Dolby Atmos™
Dolby Digital Plus™	MLP Lossless™
Dolby Digital Plus Advanced Audio™	Pro Logic®
Dolby Digital Plus Home Theater™	Surround EX™
Dolby Home Theater®	

All other trademarks remain the property of their respective owners.

## Confidential information

Confidential information for Dolby Laboratories Licensees only. Unauthorized use, sale, or duplication is prohibited.

# Contents

<b>1 Introduction to this documentation.....</b>	<b>4</b>
1.1 Disclaimers.....	5
<b>2 Proprietary software.....</b>	<b>6</b>
2.1 Steinberg VST 3.....	7
<b>3 Open-source software.....</b>	<b>8</b>
3.1 Open-source software licenses and components.....	9
3.2 Apache License, Version 2.0.....	9
3.2.1 Apache License, Version 2.0 full text.....	9
3.2.2 Bonjour.....	12
3.2.3 Log4cxx.....	12
3.3 Boost License.....	12
3.3.1 Boost License full text.....	12
3.4 MIT License full text.....	13
3.4.1 RapidJSON.....	13
3.5 MIT License for oscpack.....	13
3.5.1 MIT License for oscpack.....	13
3.5.2 MarkupSafe.....	14
3.6 Mozilla Public License, Version 2.0.....	14
3.6.1 Eigen.....	14
3.7 OpenSSL license and original SSLeay license.....	14
3.7.1 OpenSSL license and original SSLeay license.....	14
3.7.2 OpenSSL.....	16
<b>4 Mixed software.....</b>	<b>17</b>
4.1 Roli JUCE 5.....	18
4.1.1 ISC Licence (ISC) full text.....	18
4.1.2 Juce license full text.....	18

# 1

## Introduction to this documentation

This documentation covers the third-party software licensed under open-source or proprietary licenses that are incorporated into the collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) software along with the required notices.

- [Disclaimers](#)

## 1.1 Disclaimers

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) makes use of third-party software licensed under open-source or proprietary licenses together with the required notices thereto (“third-party components”).

In addition to the warranty disclaimers contained in these licenses, Dolby makes the following disclaimers regarding the third-party components on behalf of itself, and the copyright holders, contributors, and licensors of the listed third-party components:

TO THE FULLEST EXTENT PERMITTED UNDER APPLICABLE LAW, THE THIRD-PARTY COMPONENTS ARE PROVIDED BY THE COPYRIGHT HOLDERS, CONTRIBUTORS, LICENSORS, AND DOLBY “AS IS” AND ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING, OR TRADE USAGE, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT, ARE DISCLAIMED. IN NO EVENT WILL THE COPYRIGHT OWNER, CONTRIBUTORS, LICENSORS, OR INTERMEDIA 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 THE THIRD-PARTY COMPONENTS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

# 2

## Proprietary software

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) makes use of third-party software licensed under proprietary licenses.

- [Steinberg VST 3](#)

## 2.1 Steinberg VST 3

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) use VST 3 technology under a proprietary software license.

VST is a trademark and software of Steinberg Media Technologies GmbH

# 3

## Open-source software

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) makes use of third-party software licensed under open-source licenses.

- [Open-source software licenses and components](#)
- [Apache License, Version 2.0](#)
- [Boost License](#)
- [MIT License full text](#)
- [MIT License for oscpack](#)
- [Mozilla Public License, Version 2.0](#)
- [OpenSSL license and original SSLeay license](#)



### 3.1 Open-source software licenses and components

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) open-source software acknowledgments include the license and its corresponding component.

Table 1: Open-source licenses and components

License name	License URL	Component (module) name
Apache License, Version 2.0	<a href="https://developer.apple.com/softwarelicensing/bonjour/">https://developer.apple.com/softwarelicensing/bonjour/</a>	Bonjour/mDNSResponder
Apache License, Version 2.0	<a href="https://logging.apache.org/log4cxx/latest_stable/">https://logging.apache.org/log4cxx/latest_stable/</a>	Log4cxx
Boost	<a href="http://www.boost.org/">http://www.boost.org/</a>	Boost
MIT License	<a href="https://github.com/Tencent/rapidjson/blob/master/license.txt">https://github.com/Tencent/rapidjson/blob/master/license.txt</a>	RapidJSON
MIT License for oscpack	<a href="https://github.com/pallets/markupsafe/blob/master/LICENSE.rst">https://github.com/pallets/markupsafe/blob/master/LICENSE.rst</a>	MarkupSafe 0.23
Mozilla Public License 2.0	<a href="https://www.mozilla.org/en-US/MPL/2.0/">https://www.mozilla.org/en-US/MPL/2.0/</a>	Eigen
Open SSL license and SSLeay license	<a href="https://www.openssl.org/source/license.txt">https://www.openssl.org/source/license.txt</a>	Open SSL

### 3.2 Apache License, Version 2.0

This product uses one or more libraries licensed under Apache License, Version 2.0.

#### 3.2.1 Apache License, Version 2.0 full text

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

#### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

## **2. Grant of Copyright License.**

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

## **3. Grant of Patent License.**

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

## **4. Redistribution.**

You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- 1.** You must give any other recipients of the Work or Derivative Works a copy of this License; and
- 2.** You must cause any modified files to carry prominent notices stating that You changed the files; and
- 3.** You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- 4.** If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file,

excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

#### **5. Submission of Contributions.**

Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

#### **6. Trademarks.**

This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

#### **7. Disclaimer of Warranty.**

Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) 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, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

#### **8. Limitation of Liability.**

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

#### **9. Accepting Warranty or Additional Liability.**

While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

## APPENDIX: HOW TO APPLY THE APACHE LICENSE TO YOUR WORK

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

### 3.2.2 Bonjour

This component has no required text, per its license.

### 3.2.3 Log4cxx

Apache log4cxx

Copyright 2004-2007 The Apache Software Foundation

This product includes software developed by

The Apache Software Foundation (<http://www.apache.org>).

## 3.3 Boost License

This product uses one or more libraries licensed under the Boost License.

### 3.3.1 Boost License full text

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

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, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

## 3.4 MIT License full text

Copyright <YEAR> <COPYRIGHT HOLDER>

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.

### 3.4.1 RapidJSON

Copyright © 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved.

## 3.5 MIT License for oscpack

This product uses one or more libraries licensed under the MIT License for oscpack.

### 3.5.1 MIT License for oscpack

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) open-source software acknowledgments include the full text of this license.

Copyright (c) 2004-2013 Ross Bencina [ross@audiomulch.com](mailto:ross@audiomulch.com)

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 text above constitutes the entire oscpack license; however, the oscpack developer(s) also make the following non-binding requests:

Any person wishing to distribute modifications to the Software is requested to send the modifications to the original developer so that they can be incorporated into the canonical version. It is also requested that these non-binding requests be included whenever the above license is reproduced.

## 3.5.2 MarkupSafe

Copyright 2010 Pallets

## 3.6 Mozilla Public License, Version 2.0

This product uses a library licensed under Mozilla Public License, Version 2.0.

### 3.6.1 Eigen

The Source Code version of eigen is available under the terms of the Mozilla Public License version 2.0 and can be obtained at <https://github.com/eigenteam/eigen-git-mirror>.

## 3.7 OpenSSL license and original SSLeay license

This product uses one or more libraries licensed under the OpenSSL license and original SSLeay license.

### 3.7.1 OpenSSL license and original SSLeay license

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) open-source software acknowledgments include the full text of this license.

#### LICENSE ISSUES

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

#### OpenSSL License

```
/* =====
 * Copyright (c) 1998-2018 The OpenSSL Project. 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. All advertising materials mentioning features or use of this
 * software must display the following acknowledgment:
 * "This product includes software developed by the OpenSSL Project
 * for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
 *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 * endorse or promote products derived from this software without
 * prior written permission. For written permission, please contact
 * openssl-core@openssl.org.
 *
 * 5. Products derived from this software may not be called "OpenSSL"
 * nor may "OpenSSL" appear in their names without prior written
 * permission of the OpenSSL Project.
 *
 * 6. Redistributions of any form whatsoever must retain the following
 * acknowledgment:
 * "This product includes software developed by the OpenSSL Project
 * for use in the OpenSSL Toolkit (http://www.openssl.org/)"
 *
 * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``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 OpenSSL PROJECT 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 product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
*/

```

### Original SSLeay License

```

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
* All rights reserved.
*
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
*
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
*
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* 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 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. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* "This product includes cryptographic software written by
* Eric Young (eay@cryptsoft.com)"
* The word 'cryptographic' can be left out if the rouines from the library
* being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
* the apps directory (application code) you must include an acknowledgement:
* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``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 AUTHOR 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.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

```

### 3.7.2 OpenSSL

Copyright (c) 1998-2018 The OpenSSL Project. All rights reserved.

This product includes cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

This product includes software written by Tim Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com)).

Copyright (C) 1995-1998 Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)). All rights reserved.



---

# 4

## Mixed software

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) makes use of third-party software that is licensed under a mix of open-source and proprietary licenses.

- [Roli JUCE 5](#)

## 4.1 Roli JUCE 5

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) application uses Roli JUCE 5 components under either a proprietary software license or open-source software license.

Five JUCE modules (`juce_audio_basics`, `juce_audio_devices`, `juce_blocks_basics`, `juce_core`, and `juce_events`) are licensed under the permissive ISC License (<https://opensource.org/licenses/ISC>).

The Roli Juce JUCE proprietary license (<https://juce.com/juce-5-license>) covers all other modules.

### 4.1.1 ISC Licence (ISC) full text

#### ISC License (ISC)

Copyright (c) 2013 - Raw Material Software Ltd.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

`juce_core`

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

### 4.1.2 Juce license full text

The collection of Dolby Atmos plug-ins (Dolby Atmos Panner, Dolby Renderer Return, and Dolby Renderer Send plug-ins) may use certain Juce components under an open-source software license. The licenses to such components are in addition to and separate from the Juce proprietary license.

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

JUCE is an open-source library subject to commercial or open-source licensing.

The code included in this file is provided under the terms of the ISC license <http://www.isc.org/downloads/software-support-policy/isc-license>. Permission To use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted provided that the above copyright notice and this permission notice appear in all copies.

JUCE IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, AND ALL WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PURPOSE, ARE DISCLAIMED.

#### **juce\_audio\_basics**

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

**juce\_audio\_devices**

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

**juce\_blocks\_basics**

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

**juce\_core**

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

**juce\_events**

This file is part of the JUCE library.

Copyright (c) 2017 - ROLI Ltd.

Dolby Laboratories, Inc. 1275 Market Street, San Francisco, CA 94103-1410 USA. © Dolby Laboratories. All rights reserved. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. All other trademarks remain the property of their respective owners.

