

# **AsTeRICS Source Code Licences**

**and summary of utilized third-party projects  
and associated licenses**

## Document Information

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### **AsTeRICS – Assistive Technology Rapid Integration & Construction Set**

Grant Agreement No.247730

ICT-2009.7.2 - Accessible and Assistive ICT

Small or medium-scale focused research project

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# 1 Introduction

This document gives an overview on licenses of software libraries and software products utilized in the AsTeRICS project. These contain 3<sup>rd</sup> party developments, commercial products of AsTeRICS consortium members and Open Source projects.

The open source code of the AsTeRICS framework will be released under following licenses if not otherwise mentioned:

- **LGPLv3** (see 3.14):
  - The AsTeRICS Configuration Suite
  - The Native ASAPI libraries
- **GPLv3** (see 3.15):
  - The AsTeRICS Runtime Environment (ARE)
  - The ARE-Plugins
  - The BNCI Evaluation Suite

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The following chapters summarize all license types and the associated components, followed by the full license texts.

## 2 Licences of Products by Consortium Members

### 2.1 Sensory / Claro Product Licenses

Modules	Included in release	Release type
OSKA Player, AsTeRICS version	Y	Freeware, but proprietary
OSKA Editor	N	Commercial
OSKA settings editor	N	Commercial

No Source Code of Claro/Sensory products will be released.

The commercial modules will be excluded from public downloads - or can be replaced with trial versions if desired, see homepage of Claro Interfaces: <http://www.clarointerfaces.com/>

**The OSKA Player is a stand-alone software** which can work together with the AsTeRICS ARE. It is only loosely coupled with the AsTeRICS ARE via a TCP socket and will thereby keep it's own proprietary software license.

## 2.2 Starlab Product Licenses

Modules	License	Remarks
Enobio Communication	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
Enobio Display	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
FIR Filter	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
Triggering plus Sampling	GPLv3	
Sample Averaging	GPLv3	
Threshold Comparator	GPLv3	
Differentiation	GPLv3	
Cross Correlation	GPLv3	
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Blink detector trainer	Enbio License Agreement; (additional permission GPLv3, sec. 7)	See 3.1
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BNCI Evaluation	GPLv3	

As given in the table above no Source Code of plugins Enobio communication, Enobio display, FIR Filter, Blink detector, Blink detector trainer, SSVEP Detector, and SSVEP Trainer will be released. These commercial modules are included in public downloads, but not as OpenSource.

The license terms for the plugins “Enobio communication”, “Enobio display”, “FIR Filter”, “Blink Detector”, “Blink detector trainer”, “SSVEP Detector” and “SSVEP Trainer” (denoted as “this software” in the license text) can be found in Section 3.1 Enobio License Agreement.

## 2.3 Licenses used in FHTW contributions

Modules	Used Library	Library License	Remarks
ARE CIM Port Manager	RX/TX by Keane Jarvi ( <a href="http://rxtx.gbang.org">http://rxtx.gbang.org</a> )	LGPLv2.1	See 3.3
Averager Plugin	Commons Math <a href="http://commons.apache.org/proper/commons-math/download_math.cgi">http://commons.apache.org/proper/commons-math/download_math.cgi</a>	Apache2.0	See 3.16
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FacetrackerLK Plugin	OpenCV	Intel License	See 3.5
ExpressionEvaluator Plugin	JEP Lite by Stephen Kolaroff ( <a href="http://jeplite.sourceforge.net/">http://jeplite.sourceforge.net/</a> )	GPLv3	See 3.4
RemoteWindow Plugin	JNA 4.1.0 <a href="https://github.com/twall/jna">https://github.com/twall/jna</a>	Apache 2.0	See 3.16
WiiMote Plugin	WiiYourself Library by gl.tter - see <a href="http://gl.tter.org">http://gl.tter.org</a>	Custom Open Source	See 3.8

All FHTW contributions are licensed as open source.



## 2.4 Licenses used in UPMC contributions

Modules	Used Library	Library License	Remarks
Facetracker CLM	FactrackerAPI by Jason Saragih ( <a href="http://web.mac.com/jsaragih/FaceTracker/FaceTracker.html">http://web.mac.com/jsaragih/FaceTracker/FaceTracker.html</a> )	Own license, free for research and non- commercial use	<b>See 3.6; Please read carefully the license before using</b>
	OpenCV	Intel License	

All UPMC contributions are licensed as open source.

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Modules	Used Library	Library License	Remarks
	ColorPicker by Lorin, WPF SDK Team ( <a href="http://blogs.msdn.com/b/wpfsdk/arc_hive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx">http://blogs.msdn.com/b/wpfsdk/arc_hive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx</a> )	Microsoft Public License	See 3.9
ACS	AvalonDock by Adolfo Marinucci ( <a href="http://avalondock.codeplex.com">http://avalondock.codeplex.com</a> )	NewBSD License	See 3.10
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	Apache Thrift ( <a href="http://thrift.apache.org">http://thrift.apache.org</a> )	Apache Software License V2.0	See 3.12
	WPF Property Grid ( <a href="http://wpg.codeplex.com">http://wpg.codeplex.com</a> )	Microsoft Public License	See 3.13
Kinect Plugin	OpenNI ( <a href="http://www.openni.org">www.openni.org</a> )	LGPLv3	See 3.14
FS20-Sender Plugin	HIDApi ( <a href="http://github.com/signal11/hidapi">http://github.com/signal11/hidapi</a> )	GPLv3	See 3.15
FS20 Receiver Plugin	HIDApi ( <a href="http://github.com/signal11/hidapi">http://github.com/signal11/hidapi</a> )	GPLv3	See 3.15

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## 2.6 Licenses used in HARPO contributions

Modules	Used Library	Library License	Remarks
3dMouse Library and Plugin	3Dconnexion <a href="http://www.3dconnexion.de/service/sdk/licence-agreement/sdk-download.html">http://www.3dconnexion.de/service/sdk/licence-agreement/sdk-download.html</a>	3Dconnexion SW Developer Kit License	See 3.2

All HARPO contributions are licensed as open source.

## 2.7 Licenses used in external / third-party tools

### 2.7.1 GestureFollower by IRCAM – Centre Pompidou

The GestureFollower stand-alone application by Frederic Bevilacqua, Riccardo Borghesi, Norbert Schnell and Bruno Zamborlin has been provided by IRCAM / Centre Pomidou for the exclusive use with the AsTeRICS software and cannot be sold or redistributed.

It uses MuBu et FTM.

For more information please refer to

[http://imtr.ircam.fr/imtr/Gesture\\_Follower](http://imtr.ircam.fr/imtr/Gesture_Follower)

### 2.7.2 SpeechProcessor

The SeechProcessor application provides a socket connection to certain functionalities of the Microsoft Speech Platform 11 API. This module is released by FHTW under the terms of the GPLv3 License.

The necessary Microsoft Speech Platform 11 runtime and language packages are provided by Microsoft under the respective licenses, see:

<http://www.microsoft.com/en-us/download/details.aspx?id=27225>

<http://www.microsoft.com/en-us/download/details.aspx?id=27224>

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#### 3.1.3 Support

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The License -Type is GNU General Public License (GPL)  
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- WiiYourself! - native C++ Wiimote library v1.15  
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