

# **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:

- **Dual License MIT / GPLv3 with CLASSPATH exception:**

- The AsTeRICS Runtime Environment (ARE)
- The ARE-Plugins
- The BNCI Evaluation Suite

The AsTeRICS framework offers a dual-licensing concept, using either the MIT License or the GNU General Public License (GPL) with CLASSPATH exception version 3.

You may use this work under the terms of the MIT License, if your selection of plugins and services does not contain GPL-licensed code (GNU General Public License).

If your selection of plugins and services contains source code which is licensed under the GNU General Public License (GPL) the whole work must be licensed under GPL.

To define a selection of plugins and services for a deployment, use the AsTeRICS Packaging Environment (APE tool).

This document is an incomplete summary of all licenses, **please verify the individual licenses of the utilized AsTeRICS plugins and services in the subfolder LICENSE of every plugin or service.**

- **LGPLv3** (see 3.14):

- The AsTeRICS Configuration Suite
- The Native ASAPI libraries

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## 2 Licences of Products and Modules in the AsTeRICS framework

### 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 External tools (folder bin/ARE/tools)

Tool	Utilized libraries / tools	License type
SpeechProcessor	Microsoft Speech Server 11	
Blit		
GestureFollower	MaxRuntime	IRCAM proprietary
SSVEPTrainer		Enobio License Agreement
EyesStateTrainer		
Crosshair	AutoHotKey	

## 2.3 Starlab Product Licenses

Modules	License	Remarks
Enobio Communication	Enobio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
Enobio Display	Enobio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
FIR Filter	Enobio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
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Blink detector plugin (including downsampling)	Enobio License Agreement;	See 3.1
Blink detector trainer plugin	Enobio License Agreement;	See 3.1
Compute band power (including FFT computation)	GPLv3 with CLASSPATH exception	
SSVEP Detect plugin	Enobio License Agreement;	See 3.1
SSVEP Trainer	Enobio License Agreement;	See 3.1
SSVEP File Writer plugin	GPLv3 with CLASSPATH exception	
Wave File Player plugin	GPLv3 with CLASSPATH exception	
BNCI Evaluation suite	GPLv3 with CLASSPATH exception	

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.

## 2.4 Licenses used in FHTW contributions

Modules	Used Library	Library License	Remarks
ARE CIM Port Manager service	RX/TX by Keane Jarvi ( <a href="http://rxtx.qbang.org">http://rxtx.qbang.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 3.15
HID Actuator CIM	LUFA by Dean Camera ( <a href="http://www.fourwalledcubicle.com">www.fourwalledcubicle.com</a> )	MIT license	See 3.7
	PS3TeensyHid Gamepad by Josh Kropf ( <a href="mailto:josh@slashdev.ca">josh@slashdev.ca</a> ) ( <a href="http://git.slashdev.ca/ps3-teensy-hid/">http://git.slashdev.ca/ps3-teensy-hid/</a> )	GPLv3	See 3.4
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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 3.15
KNX plugin	Calimero library <a href="http://sourceforge.net/p/calimero/wiki/Home/">http://sourceforge.net/p/calimero/wiki/Home/</a>	GPL with classpath exception	See 3.17
IIRFilter plugin	JavaDSP library <a href="http://www.source-code.biz/dsp/java">http://www.source-code.biz/dsp/java</a>	No license provided	
enOcean plugin	Priscilla library	GPLv3 with CLASSPATH exception	
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

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## 2.5 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	See 3.6; Please read carefully the license before using
	OpenCV	Intel License	See 3.5
EyeTracker	OpenCV	Intel License	See 3.5

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## 2.6 Licenses used in KI-I contributions

Modules	Used Library	Library License	Remarks
ACS	ColorPicker by Lorin, WPF SDK Team ( <a href="http://blogs.msdn.com/b/wpfsdk/archive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx">http://blogs.msdn.com/b/wpfsdk/archive/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
ACS	Ribbon Controls by Microsoft ( <a href="http://www.microsoft.com/download/en/details.aspx?id=11877">http://www.microsoft.com/download/en/details.aspx?id=11877</a> )	Microsoft Proprietary	See 3.11
ACS	Apache Thrift ( <a href="http://thrift.apache.org">http://thrift.apache.org</a> )	Apache Software License V2.0	See 3.12
ACS	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> ) and hidapijava	BSD-3 clause	
FS20 Receiver Plugin	HIDApi ( <a href="http://github.com/signal11/hidapi">http://github.com/signal11/hidapi</a> ) and hidapijava	BSD-3 clause	

All KI-I contributions are licensed as open source.

## 2.7 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.

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

### 2.8.1 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 Pompidou 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)

### 2.8.2 SpeechProcessor

The SpeechProcessor application provides a socket connection to certain functionalities of the Microsoft Speech Platform 11 API.

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>

## 3 Collection of utilized licenses

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#### 3.1.3 Support

Email support shall be provided free for the lifetime of the product as long as the product has not been discontinued: [enobio@starlab.es](mailto:enobio@starlab.es)

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The License -Type is GNU General Public License (GPL)  
Further Information see: <http://sourceforge.net/projects/jeplite/>

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<http://blogs.msdn.com/b/wpfsdk/archive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx>

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