

IM-TWIN: from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder *a European funded project*

API Software Interface Document Deliverable 1.2



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Deliverable data

Work Package:	1 Development of wearable physiological sensors
Work Package leader:	PLUX
Deliverable beneficiary:	Members of the consortium Including the Commission Services
Dissemination level:	Public
Due date:	31st October (Month 12)
Туре:	Other
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Acronyms of partners

CNR-ISTC	Consiglio Nazionale delle Ricerche, Istituto di Scienze e Tecnologie della Cognizione (Italy)
UU	Universiteit Utrecht (The Netherlands)
CRI	Centre de Recherches Interdisciplinaires (France)
LA SAPIENZA	Università degli Studi di Roma La Sapienza (Italy)
PLUX	PLUX - Wireless Biosignals S.A. (Portugal)

Overview of the deliverable

This deliverable consists of the full documentation of PLUX's Application Programming Interface (API), with the description of the API software general architecture and interfaces. The format of this deliverable is the contents of an on-line documentation browser (in HyperText Markup Language [HTML]), with all the information regarding both C++ and Python APIs.

This documentation is located in a drive folder. Inside this folder, there are two other folders: the folder named "Cpp" contains information regarding the C++ API. The folder named "Python 3" has information about the Python API.

To correctly view the content of these folders, it is necessary to download them, as Google Drive does not allow to view the content in the right format.

After downloading both folders, it is necessary to unzip them. The next step is to open the folder with the selected API (either in the language "Cpp" or "Python 3").

Afterwards, the following list of files should appear:

Name	Date modified	Туре	Size
💿 time_8h_source	04/11/2021 15:30	Chrome HTML Do	5 KB
🐒 time_8h	04/11/2021 15:30	JavaScript File	1 KB
💿 time_8h	04/11/2021 15:30	Chrome HTML Do	7 KB
🔄 tabs	04/11/2021 15:30	Cascading Style Sh	9 KB
🔳 tab_s	04/11/2021 15:30	PNG File	1 KB
🔳 tab_h	04/11/2021 15:30	PNG File	1 KB
🔳 tab_b	04/11/2021 15:30	PNG File	1 KB
🔳 tab_a	04/11/2021 15:30	PNG File	1 KB
🛋 sync_on	04/11/2021 15:30	PNG File	1 KB
sync_off	04/11/2021 15:30	PNG File	1 KB
struct_plux_1_1_source-members	04/11/2021 15:30	Chrome HTML Do	6 KB
struct_plux_1_1_source	04/11/2021 15:30	PNG File	1 KB
struct_plux_1_1_source	04/11/2021 15:30	JavaScript File	1 KB
struct_plux_1_1_source	04/11/2021 15:30	Chrome HTML Do	12 KB
struct_plux_1_1_session-members	04/11/2021 15:30	Chrome HTML Do	6 KB
struct_plux_1_1_session_source-members	04/11/2021 15:30	Chrome HTML Do	6 KB
struct_plux_1_1_session_source	04/11/2021 15:30	PNG File	1 KB

To launch the webpage correctly, it is necessary to select the file "index.html". After double-clicking this file, the following interactive page should appear:

Main Page Related Pages Namespaces v Classes v Files v				
PLUX C++ API Sensor Properties Namesnaces	PLUX C++ API Documentation			
 Classes Files 	Copyright Copyright 2014-2021 PLUX - Wireless Biosignals, S.A.			
	Version 1.10			
	Date October 2021			
	The PLUX C++ API brings to C++ applications all the functionality of PLUX devices. The Plux::BaseDev class (or any of its derived classes) encapsulates a connection to a PLUX device. Each Plux::BaseDev-derived class provides methods to access the specific functionality of certain PLUX devices.			
	The API is not thread-safe since its methods cannot be called simultaneously by different threads. The only exception to this rule is the Plux::BaseDev:iInterrupt() method.			
	The API is composed of the plux.h header file and the pre-compiled library files for Windows, MacOS and Linux platforms.			
	The current API version string is available in the macro PLUX_API_VERSION.			
	The API has several bindings to other programming languages. The Python binding supports all API features. The Java binding and the .Net binding (Windows only) support a limited set of features from the API.			
	Generated on Thu Nov 4 2021 13:09:31 for PLUX C++ API by dox 18:15			

This local web-site contains all the documentation pertaining to each API.