EVERLASTING

Algolion Delivery version 2.0

October 26, 2020

# Packing List

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| --- | --- | --- | --- |
| NN | File Name | File Target | File Description |
| 1 | libAlgoEverMaster.a | AlgoShield™ program library module for Master MCU | Accumulate all states-of-safety values received from Slave MCUs; distribute results to target destinations. |
| 2 | libAlgoEverSlave.a | AlgoShield™ program library module for Slave MCU | AlgoShield™ implementation. Calculates ALGOLiON parameters and makes conclusion about battery state-of-safety; send the result to master MCU |
| 3 | LionSmart\_Algolion.h | AlgoShield™ program header file, languages C or C++ | Program interface (functions and types patterns) for all exported functions in libAlgoEverMaster.a and libAlgoEverSlave.a.  It should be included in customer source code. |
| 4 | main.c | Test program to check AlgoShield™ | Program language is C; IDE is Eclipse, AC6; was tested on: MCU STM32F413ZHTx |
| 5 | AlgoEverTest.zip | Full test project (including file “main.c”) | Project for IDE “Eclipse”, AC6.  It takes about 250Mb and is provided via Algolion SharePoint only\*) |
| 6 | Readme.docs | This file | This version does not contain a program documentation, but files “LionSmart\_Algolion.h” and “main.c” contains a lot of comments. Please, read them. |

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\*) All files are accessible via URL: <https://algolion-my.sharepoint.com/:f:/p/anatoly/Evyy8TlctlBKuefNQIAlXowBHnmcxdnJB900WSUBfXU2-Q?e=rLVW48>

# Limitations

The AlgoShield™ library libAlgoEverSlave.a has 2 following limitations:

1. Expiration Date is June 30, 2021
2. It works only on MCU that have the following IDs (registers 0x1FFF7A10, 0x1FFF7A14, and 0x1FFF7A18):
   1. ID of MCU #1: 0x003A003D 0x0400C000 0x43E943E9
   2. ID of MCU #2: 0x003A004D 0x0400C000 0x43E943E9
   3. ID of MCU #3: 0x003A003F 0x0400C000 0x43E943E9
   4. ID of MCU #4: 0x003A004E 0x0400C000 0x43E943E9

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