Product Name	DAVEApps_Lighting_Library_001
Release Version	V1.0.18
Type Of Release*	Beta
Name of the Supplier	Infineon Technologies AG
Mode of Release	Infineon Security Server, Update Sites and IShare
Date of Release	18.09.2014
Previous Version	V1.0.16

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* All types of releases named as Alpha, Beta, Release Candidate and Patch are not intended to be used for production code.

1 Released Items

1.1 DAVEApps_Lighting_Library_001

This DAVE Apps library contains DAVE Apps that cover use cases for the Lighting applications. The DAVEApps_Lighting_Library_001 Library contains the following 8 DAVE Apps.

Sl.no	DAVE Apps	Version	XMC45	XMC44	XMC42	XMC41	XMC13	XMC12	XMC11
1	BCCUCH01	1.0.10; 1.0.6					Yes	Yes	
2	BCCUDIM01	1.0.8; 1.0.4					Yes	Yes	
3	BCCUGLOBAL	1.0.12; 1.0.8					Yes	Yes	
4	COLORLAMP01	1.0.8;1.0.6;					Yes	Yes	
5	DALICG01 (Deprecated)	1.0.10	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	DALICG02	1.0.0	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7	DMX512RD01	1.0.4; 1.0.0					Yes	Yes	Yes
8	LIGHTINGSYS01	1.0.0					Yes	Yes	
9	WHITELAMP01	1.0.8; 1.0.6					Yes	Yes	

Note: DALICG01 is deprecated and replaced by DALICG02. DALICG02 is an extension of DALICG01.

1.2 DAVE Apps Test conditions

- DAVE Apps for the XMC4500 series are verified on all supported derivatives, fully functional test is applied with XMC4500-F144x1024.
- DAVE Apps for the XMC4400 series are verified on all supported derivatives, fully functional test is applied with XMC4400-F100x512.
- DAVE Apps for the XMC4200 series are verified on all supported derivatives, fully functional test is applied with XMC4200-Q48x256.
- DAVE Apps for the XMC1100 series are verified on all supported derivatives, fully functional test is applied with XMC1100-T038F0064.
- DAVE Apps for the XMC1200 series are verified on all supported derivatives, fully functional test is applied with XMC1200-T038F0200.
- DAVE Apps for the XMC1300 series are verified on all supported derivatives, fully functional test is applied with XMC1302-T038F0200.
- On XMC4000 controllers, only 12 MHz external oscillator is selected.

2 Support Packages

None

3 Tool Information

DAVE3	DAVE_v3.1.8 or higher version
JAVA	jre6 & product version 1.6.0_24

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE-3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

4 Changes from Previous Version

4.1 Changes from previous version v1.0.16

Sl.no	Description of change
1	2 Apps updated – COLORLAMP01, WHITELAMP01
2	2 Apps added – LIGHTINGSYS01, DALICG02(this is an extension of DALICG01 and will replace DALCG01)
3	1 App deprecated – DALICG01; DALICG01 is replaced by DALICG02

4.2 Changes from previous version v1.0.14

Sl.no	Description of change
1	4 Apps are updated for functional changes and device support – BCCUCH01, BCCUDIM01, BCCUGLOBAL, and DMX512RD01.
2	2 Apps updated for device support – COLORLAMP01 and WHITELAMP01
3	Device support extended for XMC4500-AC step, XMC4400-AB step, XMC4200-AB step and XMC1000 VQFN devices.

4.3 Changes from previous version v1.0.12

Sl.no	Description of change
1	1 New App is added – DMX512RD01.

4.4 Changes from previous version v1.0.10

Sl.no	Description of change
1	5 Apps are updated – BCCUCH01, BCCUDIM01, BCCUGLOBAL, COLORLAMP01 and WHITELAMP01.

4.5 Changes from previous version v1.0.8

Sl.no	Description of change
1	1 App is updated – DALICG01.

4.6 Changes from previous version v1.0.6

Sl.no	Description of change
1	All Apps are verified and validated on DAVE-3.1.8.

4.7 Changes from previous version v1.0.4

Sl.no	Description of change
1	1 App is updated – BCCUGLOBAL.

4.8 Changes from previous version v1.0.2

Sl.no	Description of change
1	1 New App is added – DALICG01.

4.9 Changes from previous version v1.0.0

Sl.no	Description of change
1	5 Apps are updated – BCCUCH01, BCCUDIM01, BCCUGLOBAL, COLORLAMP01 and WHITELAMP01

5 Installation Requirements

- DAVE v3.1.8 or higher version should be available.
- DAVEApps_Library_001 should be installed.

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE-3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

6 List of known Issues

Please refer section 8.

7 List of Limitations and Deviations

Module	Limitation / Deviation
XMC4000	The new steps, XMC4500 series – AC step and XMC4400/XMC4200/XMC4100 series AB step are not supported
DMX512RD01	Since there are major changes made from previous version (v1.0.0) to current version (v1.0.4), hence the project backward compatibility not supported for this App.

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE-3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

8 DAVE Apps Revision History

8.1 BCCUCH01

8.1.1 BCCUCH01_v1_0_10

List of changes to previous version

Reference number	Description of change
	New Tab Pin configuration provided. Trigger Line selection in channel level provided. Conditional code added for pin consumption. Virtual signal "Channel Out Signal" renamed to "PDM Output". XMC1000 VQFN package support added.

8.1.2 BCCUCH01_v1_0_6

List of changes to previous version

Reference number	Description of change
	Static and configuration code separated. Added support for XMC1202 device.

8.1.3 BCCUCH01_v1_0_2

List of changes to previous version

Reference number	Description of change
	Enhancement: Initial Target intensity immediately upon initialization and then update the linear walk time (specified in GUI) is fixed

8.2 BCCUDIM01

8.2.1 BCCUDIM01_v1_0_8

List of changes to previous version

Reference number	Description of change
	MISRA Checks done, Multiple inclusion of DAVE3.h removed, Extern.h added. XMC1000 VQFN package support added.

8.2.2 BCCUDIM01_v1_0_4

List of changes to previous version

Reference number	Description of change
	Added support for XMC1202 device.

8.2.3 BCCUDIM01_v1_0_2

List of changes to previous version

Reference number	Description of change
	Enhancement: Initial Target dimming level immediately upon initialization and then update the desired transition time (specified in GUI) is fixed.

8.3 BCCUGLOBAL

8.3.1 BCCUGLOBAL_v1_0_12

List of changes to previous version

Reference number	Description of change
	New GUI Parameter “Minimum Brightness” added under Flicker Watchdog Settings. The Virtual Signal name changed from "Trap IN" to "BCCU Trap Input". XMC1000 VQFN package support added.

8.3.2 BCCUGLOBAL_v1_0_8

List of changes to previous version

Reference number	Description of change
	Static and configuration code separated. Added support for XMC1202 device. Following issues are fixed in user interface: 1. Issue: Remove the limitation of 66000ns Actual Bit Time and update min & max dynamically is fixed. 2. Issue: Formulas of longest OFF time and lowest frequency at modulator output are updated.

8.3.3 BCCUGLOBAL_v1_0_4

List of changes to previous version

Reference number	Description of change
	WDMBN related UI is extended

8.3.4 BCCUGLOBAL_v1_0_2

List of changes to previous version

Reference number	Description of change
	Enhancement: Two new UI widgets ("Longest OFF-time at Modulator Output", "Lowest Frequency at Modulator Output") are added.

8.4 COLORLAMP01

8.4.1 COLORLAMP01_v1_0_8

List of changes to previous version

Reference number	Description of change
	UI is automatically configured to support functionality of LightingSys01 app.

8.4.2 COLORLAMP01_v1_0_6

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added.

8.4.3 COLORLAMP01_v1_0_4

List of changes to previous version

Reference number	Description of change
	Added support for XMC1202 device

8.4.4 COLORLAMP01_v1_0_2

List of changes to previous version

Reference number	Description of change
UTP AI00164659	Unable to compile the code w Global Dimming configuration is fixed.

8.5 DALICG01

8.5.1 DALICG01_v1_0_10

List of changes to previous version

Reference number	Description of change
	DALICG01 is deprecated and replaced by DALICG02. DALICG02 is an extension of DALICG01.

8.5.2 DALICG01_v1_0_8

List of changes to previous version

Reference number	Description of change
	1. Supported Feature: Reset command supports to switch to default dimming curve status i.e. either Linear or Exponential 2. Memory related code was removed [Note that, memory related code is part of example project] 3. Default and reset value of the DALI Variables are updated.

8.6 DMX512RD01

8.6.1 DMX512RD01_v1_0_4

List of changes to previous version

Reference number	Description of change
	New feature Accurate Break detection provided. CCU4 dependency is reduced by removing MBTS and MBB checks. XMC1000 VQFN package support added.

8.6.2 DMX512RD01_v1_0_0

List of changes to previous version

Reference number	Description of change
	Initial Version of DMX512 Protocol Stack.

8.7 WHITELAMP01

8.7.1 WHITELAMP01_v1_0_8

List of changes to previous version

Reference number	Description of change
	UI is automatically configured to support functionality of LightingSys01 app.

8.7.2 WHITELAMP01_v1_0_6

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added.

8.7.3 WHITELAMP01_v1_0_4

List of changes to previous version

Reference number	Description of change
	Added support for XMC1202 device.

8.7.4 WHITELAMP01_v1_0_2

List of changes to previous version

Reference number	Description of change
UTP AI00164659	Unable to compile the code w Global Dimming configuration is fixed.