

New SW version for MTN6725-0001 provide many improvements

The new software KNX DALI Gateway consist of up to 3 different parts which must be matching, see page 3+4:

- KNX ETS Application (old ETS-file contains also the PlugIn)
- DCA (device configuration application) replaces the PlugIn,
- Firmware of the device.

The files can be downloaded from our homepage:

<https://www.se.com/de/de/product/MTN6725-0001/knx-dali-gateway-reg-k-1-16%2864%29-64-ip1/#pdp-download>

- ETS Application with extension knxprod,
- DCA with extension etsapp,
- Firmware with extension exe,
- Application description with extension pdf
- All files above packed together with extension zip, easiest way to get all file with one download.
- Open Source Software only in case of interest,

First firmware upgrade with firmware V3.x.x must be executed unconditionally, that means previous configuration is lost. (New memory model.) Alternately you can downgrade the firmware to V 1.3.9 and use ETS-Application with plugin MTN6725-0001_KNX_DALI_IP1_7307_1_0b_ETS4_ETS5_2016_17_ALL8.knxprod without these improvements.

Please discover the main improvements:

1. New objects are available to enable DT-8 color control and tunable light applications directly via KNX objects.
2. Advanced possibilities to adjust DT-8 colors in scenes, dimming of scenes,
3. Improved scenes, 64 KNX scenes can be mapped to 16 DALI scenes of different KNX DALI GWs,
4. Usage of DT-8 color control in effects,
5. Adjust of DT-8 color control via Broadcast,
6. Additional objects to switch off ECG power via switching actuator if all lamps of a DALI group are off, (Energy Save Mode)
7. New data point types for Emergency Tests DT-1 are alternately usable, see chapter 16.1 of description,
8. The IP port can be locked,
9. The DALI configuration is now saved in the DCA, same as in the Basic Gateways. It is possible to import existing backups of the DALI configuration into the DCA to save work.
10. Improved KNX communication: Long Frames possible means download time is reduced with matching USB or IP interfaces,
11. Improved application description (double volume, **including also the fast firmware change via IP port**),
→ Please read chapter 7.1 if you want to access via the IP-interface. (changed login)
12. The hardware remains unchanged, so devices with firmware V1.1.9 (ca.Oct.2014 or later) can be upgraded in one step!

Other Optimizations and Bugfixes Firmware V3.1.0-V3.1.3:

The device information in the ETS shows the Firmware version. You can also check the current firmware version on the device website. The text box at the bottom of the ECG field displays the current firmware version in addition to the MAC address and the physical address of the device:

Firmware Version 3.1.3:

• Problem:

If DT8 devices are used with adjustment RGBW or HSVW, the test function in DCA for Scenes, Effects and Time Control Templates was not working, it is now corrected.

• Problem:

If DT8 devices were used with adjustment RGBW or HSVW, Scenes and Time Control Templates were working only with restrictions, it is now corrected.

• Problem:

If DT-8 devices were used in Effects and Value 0% is adjusted in combination with "Keep Value Flag" the color change was not working, it is now corrected.

- Problem:

If function „Easy Replacement” was activated via Web browser the browser is running into a time-out and has to be refreshed, it is now corrected, the webpage can be operated after “Easy Replacement” normally.

- Problem:

General failure objects for converter failures (object 21 and object 22) were not sent on failure event, it is now corrected.

- Problem:

Failure status object 1 Byte was not reset back to 0 after a converter failure, it is now corrected

Firmware Version 3.1.2:

- Problem: If DALI groups with DT-8 ballasts were used in effects the fade time is working for the light value only. For color change fade time was not working. In this case color was adjusted immediately, it is now corrected, fade time is working for light value and color change.

- Problem: If effects were adjusted via webpage, after reload a wrong light value was displayed and the effect cannot start immediately, but only after a device reset, it is now corrected.

- Problem: Object value for failure rate % in DALI groups was not correct, it is now corrected.

- Problem: In communication objects 24-27, switching status ECGs, only bit0..bit3 had correct state, higher bits were not displayed correct, it is now corrected, all status bit are displayed

- Optimization: In communication object 23, switching status groups, all status bits were changed on broadcast switching, even if the groups are not used in the gateway, it is now corrected, the status bits are changed only if groups are in use.

- Optimization: If “Switch-On Value” was adjusted to “Last Value” after receiving an ON-telegram always the last value before last switch OFF was sent, even if the light was always adjusted to a different value via set-value, it is changed, last value on ON-telegram is only adjusted when the light is OFF. If already a value > 0% was adjusted by set-value or relative dimming before the ON-telegram it is ignored.

Firmware Version 3.1.1:

- Problem:

Latest KNX Interfaces are using Long Frame KNX Telegrams up to 256 Byte length. Those frames cannot be handled by the KNX driver. If such a telegram appears the gateway will generate a reset. This is now corrected.

- Optimization:

If scenes are recalled and at the same time the energy save function (switch off ECG power with switching actuator) is used, all ECGs which are switched OFF are activated and switched to ON again, independent whether the ECG is used in the scene or not. This is optimized, now only ECGs which are used in the scene are switched ON.

- Optimization:

If time programs (for color control) are used and at the same time the energy save function (switch off ECG power with switching actuator) is used, all ECGs which are switched OFF are activated and switched to ON again, independent whether the ECG is used in the time program or not.

This is optimized, now only ECGs which are used in the time program are switched ON.

- Optimization:

When effects are used the energy save function (switch off ECG power with switching actuator) cannot be used at the same time, because switching telegrams are not sent: This is optimized, now energy save function works also in combination with effects.

- Optimization:

When color control via HSVW is used, the white channel cannot be controlled individually, because there is only one common value object in the DALI standard for all color channels. If saturation is 0% usually all channels RGB are set to 100%. That means that white cannot be adjusted individually. This is now optimized: If the saturation is 0% all RGB channels are switched OFF (0%) and white is switched ON (100%). With the white object it can be adjusted independently.

Firmware Version 3.1.0:

- Optimization:

In connection with the DCA Version 1.1.0.0 or higher, the KNX scenes 1 – 64 can be assigned to the DALI scenes 1 to 16.

- Optimization:

There are problems with some ECGs, which are not DALI conform (ballasts are deleted on post installation). Bugfix delete of short address if long address 0xFFFFF is not performed anymore, with new DCA Version 1.1.0.0 or higher this feature is adjustable,

- Problem:

Dim-Time for effects is not functioning with DALI groups, is corrected, Dim-Time is functioning for groups and individual ECGs.

- Problem: Operating hours are not displayed on the website, now it is corrected.

Information for specialists:

With this upgrade all 3 KNX DALI-Gateways realize the short address with a list in the KNX DALI-Gateway. This means a specific ECG (ballast) is visible in the configuration with the short address x but the real short address written in the ECG may be different. This procedure makes configuration faster and more reliable.

→ First deliveries of the new version are expected for ca. week 35/2019.

Overview about latest SW versions for Premium and Basic Gateways:

New software and documentation is available now in English and German, more languages will follow.
yellow background: new SW described above.

No.	Article number	ETS Application Version	Plugin (PLI) or DCA	DCA Version	Firmware Version	Remark
1	MEG6725-0001	7307/1.0 b	PLI	--	V 1.3.9	Best version with Plugin, avoids unconditional upgrade.
2	MEG6725-0001	DCA 7310/1.0	DCA	V 1.1.0.0	V 3.1.3	New version with DCA, many additional features, needs unconditional FW upgrade.
3	MEG6725-0003	7308/1.0	DCA	V 2.1.1.0	V 0.2.1.	
4	MEG6725-0004	7309/1.0	DCA	V 2.1.1.0	V 0.2.1.	
5	MTN6725-0001	7307/1.0 b	PLI	--	V 1.3.9	Best version with Plugin, avoids unconditional upgrade.
6	MTN6725-0001	DCA 7310/1.0	DCA	V 1.1.0.0	V 3.1.3	New version with DCA, many additional features, needs unconditional FW upgrade.
7	MTN6725-0003	7308/1.0	DCA	V 2.1.1.0	V 0.2.1.	
8	MTN6725-0004	7309/1.0	DCA	V 2.1.1.0	V 0.2.1.	

- * Article number, Firmware, ETS-Software, and sometimes DCA must go well together.
- * This recommendation is from 21.08.2019
- * The lines 2 and 6 show the best and latest version for the premium device.
- * To change the firmware between V1.x.y to V3.v.w and vice versa needs an unconditional upgrade; which means the loss of the all configuration, but a change from V3.x.y to V3.v.w and vice versa can be done partially keeping the configuration.

Overview about the files for MTN6725-0001

Content	Filename	Version	old new	Remark
Relevant files of best Plugin version	MTN6725-0001_DALI_IP1_Upgrade_package_V1_3_9.zip	V 1.3.9	old	Contains the blue files below
ETS- Applikation with Plugin	MTN6725-0001_KNX_DALI_IP1_7307_1_0b_ETS4_ETS5_2016_17_ALL8.knxprod	7307/1.0b	old	
Firmware	MTN6725-0001_DALI_IP1_UpgradeTool_V1_3_9.exe	V 1.3.9	old	
Application descriptions	MTN6725-0001_KNX_DALI_IP1_7307_1_0b_en.pdf MTN6725-0001_KNX_DALI_IP1_7307_1_0b_de.pdf		old	
Relevant new files packed	MTN6725-0001_DALI_IP1_Upgrade_package_V3_1_3.zip	V 3.1.3	new	Contains the green files below
ETS- Application	MTN6725-0001_KNX_DALI_IP1_7310_1_0_ETS5_2019_34_ALL9.knxprod	DCA 7310/1.0	new	New ETS-Application w. many improvements.
DCA	MTN6725-0001_KNX_DALI_IP1_DCA_1_1_0_0.etsapp	V 1.1.0.0	new	Needed with ETS-Appl DCA 7310/1.0
Firmware	MTN6725-0001_DALI_IP1_UpgradeTool_V3_1_3.exe	V 3.1.3	new	Is already in devices if V 1A is on the device.
Application description	MTN6725-0001_KNX_DALI_IP1_7310_1_0_en.pdf MTN6725-0001_KNX_DALI_IP1_7310_1_0_de.pdf		new	
Improvements FW V3.1.3	MTN6725-0001_Improvements_FW_V3_1_3.pdf		new	Description
Open Source Software	ColorMine_master_1_1_3.zip		New	
Open Source License Information	ColorMinColorMine_master_1_1_3_DCA_OSS_license_agreement_EN.pdf		New	

Important to know:

The DCA contains Open Source software, the application description contains more details about. If wanted one can download this Open Source software also from our homepages (colorMine-master.zip). This must be given on the same location where the concerned software is available! Please prepare it in the same manner if you publish something for example in another language!