DALI-Gateway S64 KNX  
DALI-Gateway S128 KNXFirmware Update



# General

The DALI gateways S64 KNX and S128 KNX are equipped with the convenient option of performing firmware upgrades without having to remove the devices.

The update is carried out via an SD card and the corresponding SD card slot on the device.

Future further developments or any necessary adjustments can thus be imported via updates without much effort.

The procedure for an update via SD card is described below.

* Requirements for a firmware update  
  A firmware update can only be carried out using a flash memory card of the type microSD (dimensions: 11 x 15 mm). The card must have a storage capacity of at least 1 GB.  
  Ein Bild, das Text, Schild enthält.

  Automatisch generierte Beschreibung  
  An update can only be carried out if the SD card is formatted in FAT32 format.  
  Formatting can be done, for example, from any Windows file explorer.

# Firmware-Update

* **Firmware Version 0.3.3** March 2022:  
  Firmware from version 0.3.3 supports **individual control** of the DALI operating devices in addition to group control.

## Special notes for the update from version 0.2.x to 0.3.x and the downgrade

* Please note that with firmware 0.3.3 an extensive functional expansion of the device has been made. This firmware requires the ETS application program and DCA in version "**V2**"  
  DALI Gateway S64 KNX **V2** or DALI Gateway S128 KNX **V2**   
  and the associated DCA DALI gateway S KNX **V2**   
  Commissioning with the old application and the old DCA is not possible.

If a device with firmware 0.3.3 is to be loaded with the old application (e.g. when replacing a device or expanding an existing installation), a downgrade to 0.2.8 must first be carried out.

A special downgrade file is available for this: "Firmware 0.2.8 Downgrade". When downgrading, any existing data in the device will be deleted (physical address, etc.)

All data will also be deleted when updating from version 0.2.8 to 0.3.3.

The device must be reloaded with the ETS and the DALI data must be restored using the restore function in the DCA (see also the description of the application program).

## How to update

To update to the new firmware version, please first unpack the zip archive that comes with this document. The archive contains the update file for both DALI gateways (S64 and S128). Depending on the desired device type, please copy the desired file directly into the root directory of the SD card.  
DALI-Gateway S64 KNX = file D1\_048.bin

DALI-Gateway S64 KNX = file D2\_048.bin

* **Caution: For all of the following work on the built-in gateway, please be sure to observe the safety regulations for work in the distributor.  
  The gateway, the connected electronic ballasts and any other devices in the distributor must be switched off before starting work.**

For update purposes, the DALI Gateways S64 and S128 KNX have an SD card slot on the upper right edge of the device. When delivered, the opening of the slot is covered with an adhesive label. To insert a SD card, the label must be carefully removed.



After removing the label, please insert the SD card carefully into the de-energized gateway in such a way that the row of contacts on the card points downwards or the recess on the card is aligned to the left. Make sure that the card is not tilted and not inserted into the slot at an angle. At the end you will feel a slight pressure as the row of contacts snaps into the contact hole.

Once the card has been inserted, please switch on the operating voltage of the gateway while holding down the programming button at the same time.  
After a few seconds, the programming LED will start flashing.  
The programming button can be released while it is flashing and the update process will start.  
The process only takes a few seconds and the programming LED flashes briefly once at the end and the LED “Man.” starts flashing. The Update is finished.

After the update, the gateway can be switched off again and the SD card can be removed.

* **Please note that the slot is covered again with the previously removed adhesive label before the voltage is switched on again.**

After switching on the operating voltage, the device is ready for operation again.

The current firmware version can also be checked by reading out the device information.

# Versions

## Information Firmwareversion Delivery condition

Ein Bild, das Text enthält.

Automatisch generierte Beschreibung Ein Bild, das Text, Whiteboard enthält.

Automatisch generierte Beschreibung

Manufacturing date 2102 = Year 2021 / Week 02

## Versions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Firmware | ETS-Application | DCA-Version | Available | Information |
| 0.2.8 | V 1.0 | DALI-Gateway S KNX | until Manufacturing date January 2022 (Code 2202) |  |
| 0.3.3 | V 2.1 | DALI-Gateway S KNX **V2** | From Manufacturing date February 2022  (Code 2205) | Individual control support |