

# FAQ: HOW TO CONFIGURE THE LIGHTING OF THE “EDGE LIT” SERIES GLASS CONTROL MODULES

For a general explanation about Velbus, please consult the installation guide on [www.velbus.eu](http://www.velbus.eu).

Always use the latest version de Velbuslink, freely downloadable on [www.velbus.eu](http://www.velbus.eu) > Support > Downloads.

## 1 COLOR PALETTE

### 1.1 OVERVIEW

All Edge Lit modules come with a default color palette of 30 preset colors, plus two system-reserved colors. The 30 preset colors can be modified by the user, or used as is.

Each color in the palette is defined by its RGB-values and its brightness. It also has a number, and you can add a remark.

The default color palette consists of warm white in different levels of brightness, plus a selection of colors at 25% brightness spanning most of the rainbow.

As mentioned above, you can use these predefined colors, or you can modify some, or all of them, to suit your specific needs.

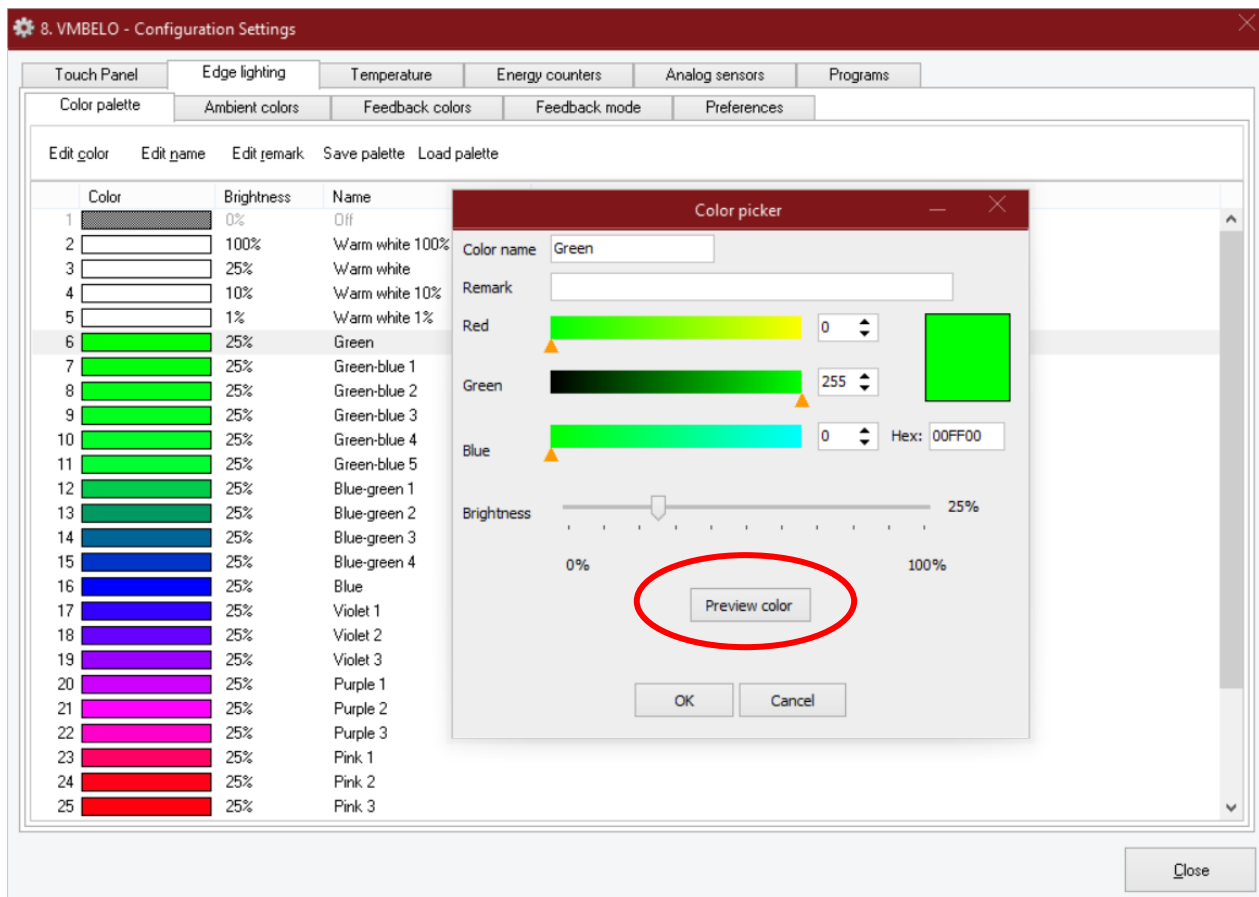
Take into account that the higher the brightness, the more energy the module will consume when the LEDs are on (up to 110mA per module with all leds on at full brightness). We recommend a brightness of 25% for normal “full” brightness, and only going higher for an “extra-bright” effect. For night-light or orientation use, you will probably want to stay within the 1-5% range.

Every module can have a different color palette if needed. If you want to re-use a custom color palette from one module on another module, you can save the palette from the first module to your PC, then load it from the PC to the second module.

### 1.2 MODIFYING THE COLOR PALETTE

To modify the colors in the palette, select a module in Velbuslink, open the configuration dialog (press F6), and go to the tab Edge Lighting > Color palette. Select a color and press “Edit color”, or double-click on the color, to edit the RGB-values and the brightness. Give the color a meaningful name, and optionally add a remark for future reference. (The name is stored in the module, the remark is only stored in the VelbusLink project file). For warm white, use an RGB value of 255, 255, 255.

By pressing the “Preview color” button (cfr. screenshot below), all four edges of the module will light up with the current settings in the color picker dialog. On closing the color picker dialog, the edge lighting will return to its previous state.



## 2 EDGE LIGHTING CONFIGURATION SETTINGS

Once you are satisfied with the color palette on each module, you can use the colors to configure your ambient and feedback settings. This is done in the Configuration dialog under the tab “Edge Lighting”.

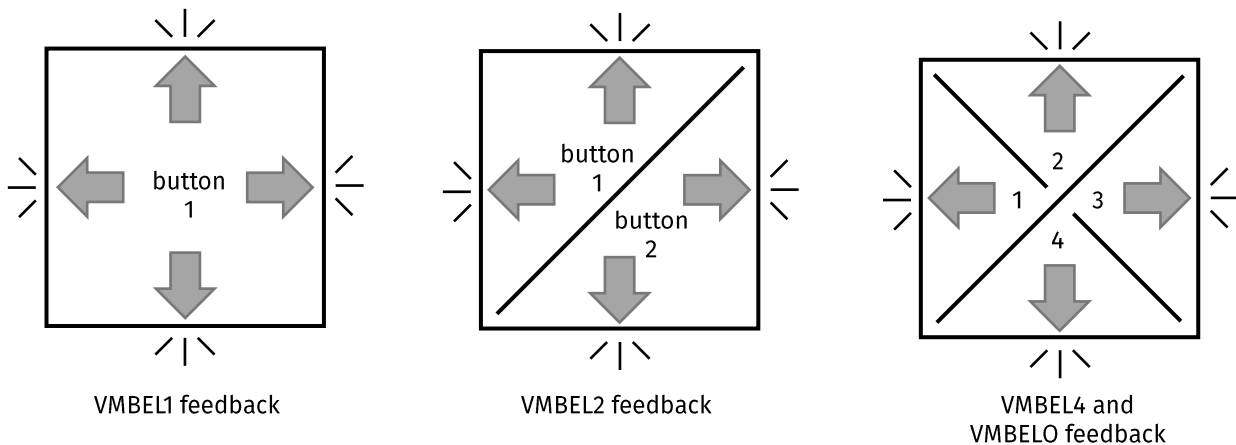
The factory default settings are “all lights off” (all ambient lighting off, and no feedback).

### 2.1 AMBIENT LIGHTING

The ambient lighting can be used to create moods, for orientation at night, et cetera. It does not normally represent the status of outputs.

### 2.2 FEEDBACK LIGHTING

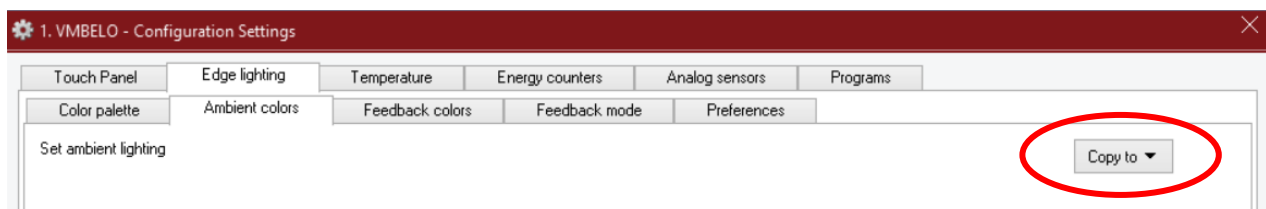
The feedback lighting represents the status of connected channels (cfr. diagram below). For each side of the module (and per page of the VMBELO) the feedback can be independently configured (off or on, color, brightness, blinking behavior, ...).



Feedback lighting has priority over ambient lighting. If you want to have only ambient lighting which is not disturbed by feedback lighting, set all feedback to “no feedback” (see “Example 1: only ambient, no feedback” below).

## 2.3 COPYING LIGHTING SETTINGS TO OTHER MODULES (OR OTHER PAGES ON THE SAME MODULE FOR VMBELO)

You can copy the feedback and ambient settings to other modules, or for VMBELO to other pages on the same module, using the dropdown menu in the upper right corner of the configuration dialog, tab Edge Lighting, subtabs Ambient colors and Feedback colors.

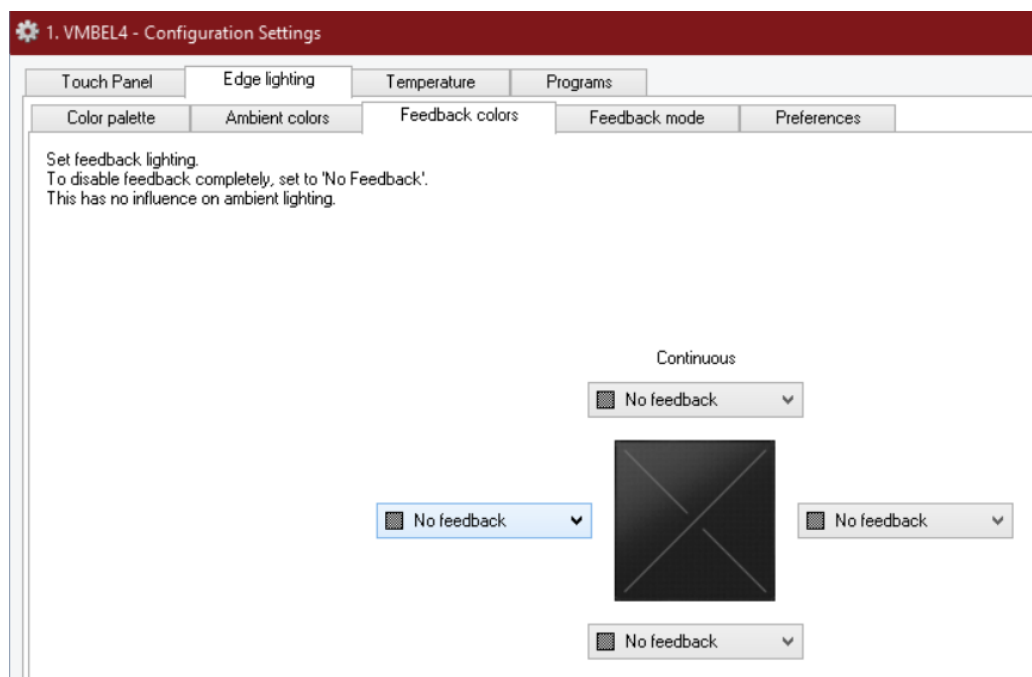
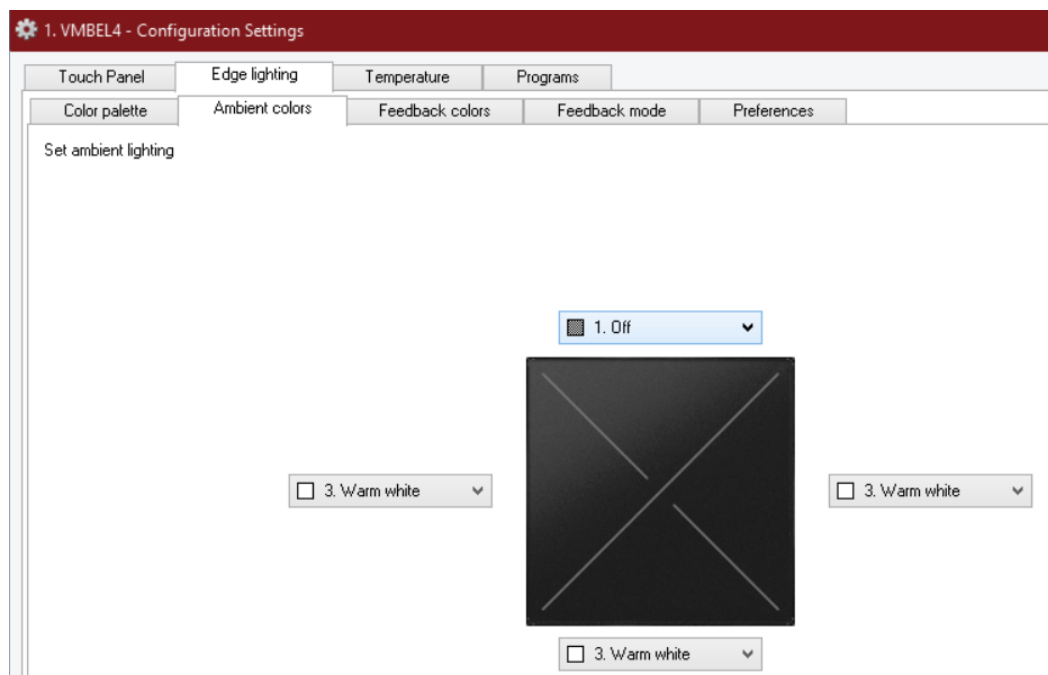


## 2.4 EXAMPLES

### 2.4.1 Example 1: only ambient, no feedback

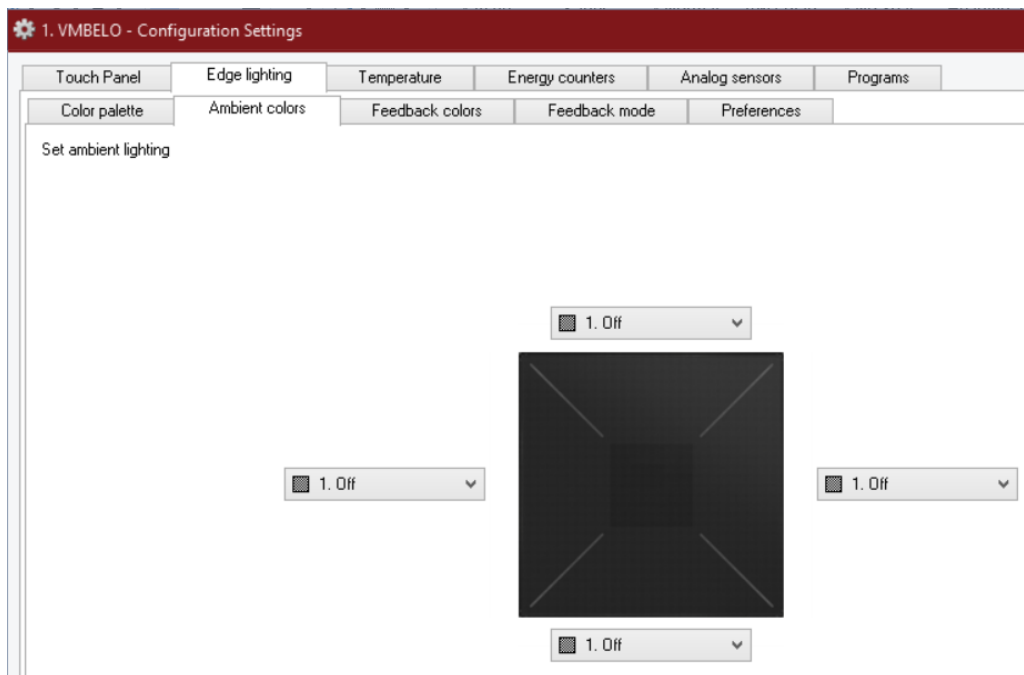
For only ambient and no feedback lighting, set the “ambient” lighting to the desired color(s), and the “feedback” lighting to “No feedback” (see screenshots below). You can choose a different ambient color for each side (including some sides off, and other sides on with a color of your choice).

In the example below, there will be warm white ambient lighting on the left, right and bottom sides, while the top side will be off.

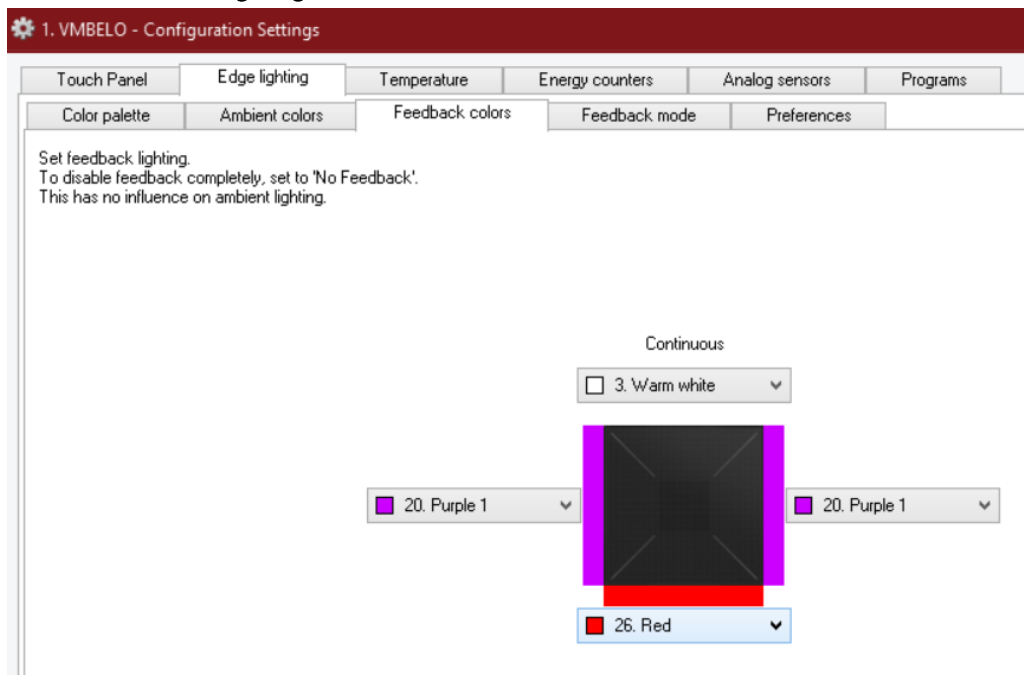


### 2.4.2 Example 2: only feedback, no ambient lighting

For only feedback and no ambient lighting, set the “ambient” lighting on the module to “Off”,



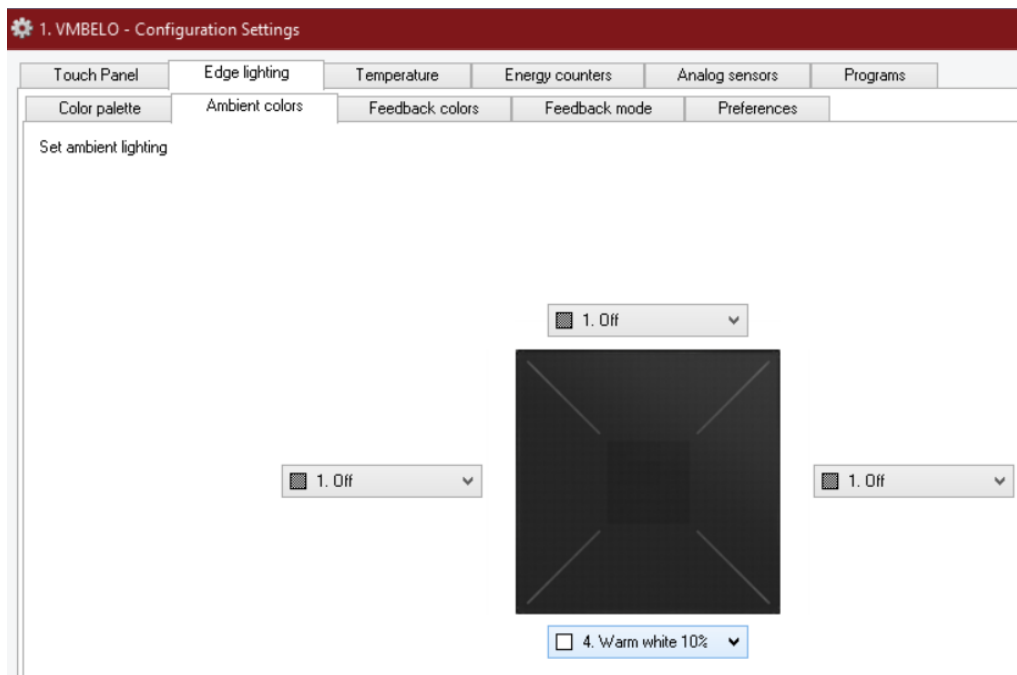
and the “feedback” lighting to the desired color(s).



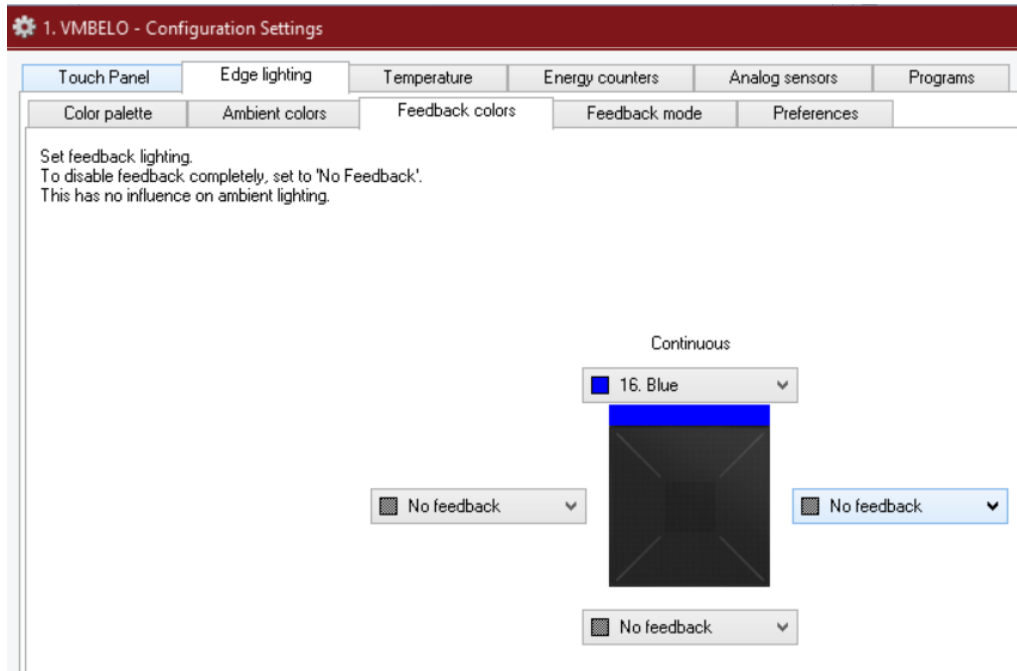
You can choose a different feedback color for each side (and in addition, on VMBELO modules, for each page), and if you wish, also for continuous, slow and fast blinking feedback (check the “advanced settings” checkbox on the feedback configuration tab).

#### 2.4.3 Example 3: feedback on top, ambient at the bottom (left and right always off)

Ambient: set the bottom ambient lighting to the desired color and the other three sides to “Off”.



Feedback: set the top feedback lighting to the desired feedback color and the other three sides to “No feedback”.



### 3 MODIFYING THE LIGHTING THROUGH ACTIONS AND PROGRAM STEPS

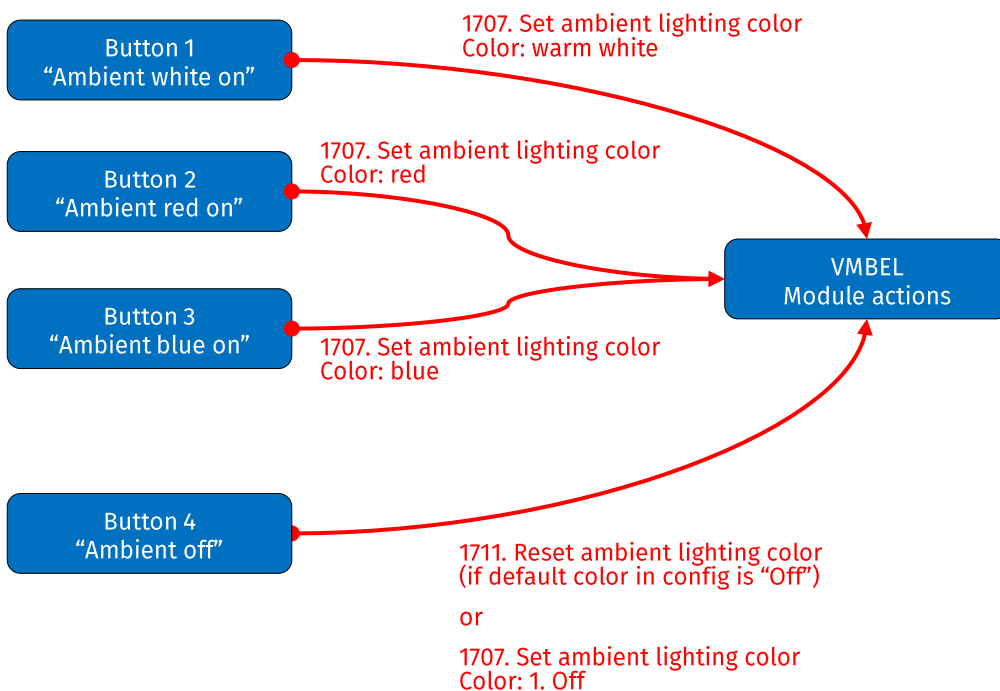
The side leds can also be controlled through actions and program steps. This way the lighting (ambient and feedback) can be modified by pressing a button, by the status of other channels (eg. garage door is open), by using program steps at certain times of the day/week/month, et cetera.

#### 3.1 EXAMPLE 1: CHOOSING THE AMBIENT LIGHTING COLOR USING BUTTONS

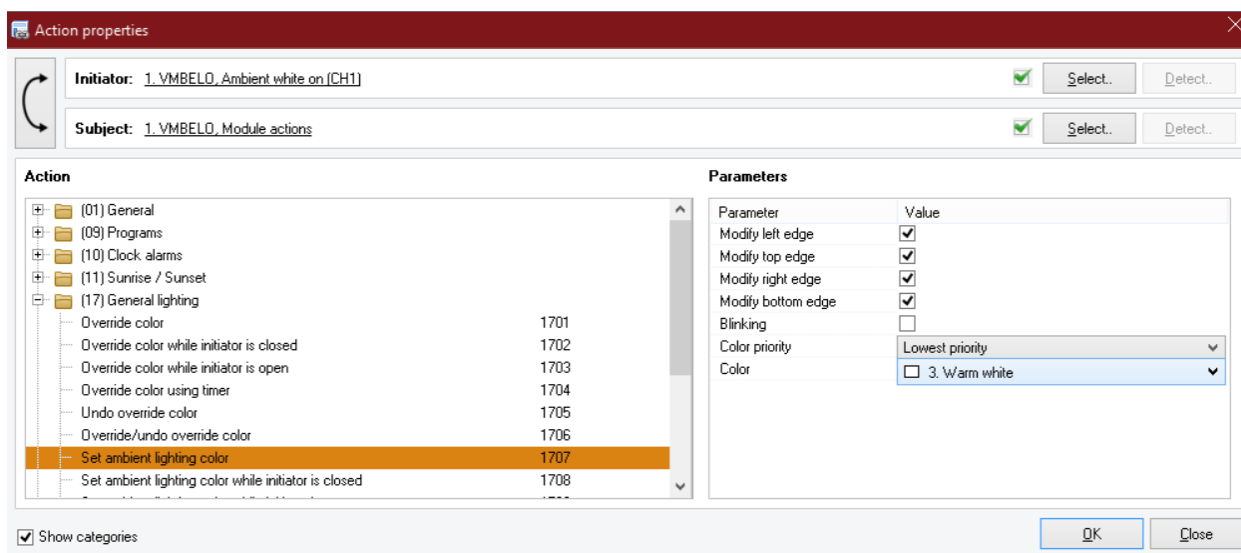
In the example below, four buttons are configured to set the ambient lighting respectively to white, red, blue and off.

In the configuration settings, make sure that all ambient lighting is set to “Off” (which is the factory default).

Make the following actions (the buttons can be on the Edge Lit module itself, or on any other input module in the Velbus installation):



As an example, the action properties for button 1 can be as follows:



**Action properties**

Initiator: 1. VMBELO, Ambient white on (CH1) ☒ Select.. Detect..

Subject: 1. VMBELO, Module actions ☒ Select.. Detect..

Action	Parameters
(01) General	
(09) Programs	
(10) Clock alarms	
(11) Sunrise / Sunset	
(17) General lighting	
Override color	1701
Override color while initiator is closed	1702
Override color while initiator is open	1703
Override color using timer	1704
Undo override color	1705
Override/undo override color	1706
Set ambient lighting color	1707
Set ambient lighting color while initiator is closed	1708

Parameter	Value
Modify left edge	<input checked="" type="checkbox"/>
Modify top edge	<input checked="" type="checkbox"/>
Modify right edge	<input checked="" type="checkbox"/>
Modify bottom edge	<input checked="" type="checkbox"/>
Blinking	<input type="checkbox"/>
Color priority	Lowest priority
Color	3. Warm white

☒ Show categories

By pressing button 1 “Ambient white on” the ambient lights will be turned on with the color warm white. Button 2 will turn the ambient lighting on with the color red, and button 3 with the color blue. By pressing button 4 “Ambient off” the ambient lights will be turned off. These actions will have no effect on the feedback lighting.

The same buttons and actions can of course have multiple VMBEL modules as subjects, in order to switch the lighting of multiple Edge Lit modules at once.

### 3.2 EXAMPLE 2: AMBIENT LIGHTING ON AT SUNSET AND OFF AT 2 AM

This is realized by simply adding program steps<sup>1</sup> to the buttons of the example above.

<sup>1</sup> For more information on program steps, please consult the Velbus Installation Guide Part 2: Programming (free download on [www.velbus.eu](http://www.velbus.eu))

Program steps			
Advanced			
Push buttons			
Thermostat			
Output			
<div> <div>Add</div> <div>Edit</div> <div>Clear</div> <div>Delete</div> </div> <div>Active program: Program 1</div>			
Channel ^	Program	Recurrence	Action
Ambient white on (CH1)	Program 1	Every day at sunset	Press (0.25s)
Ambient off (CH4)	Program 1	Every day at 2:00	Press (0.25s)

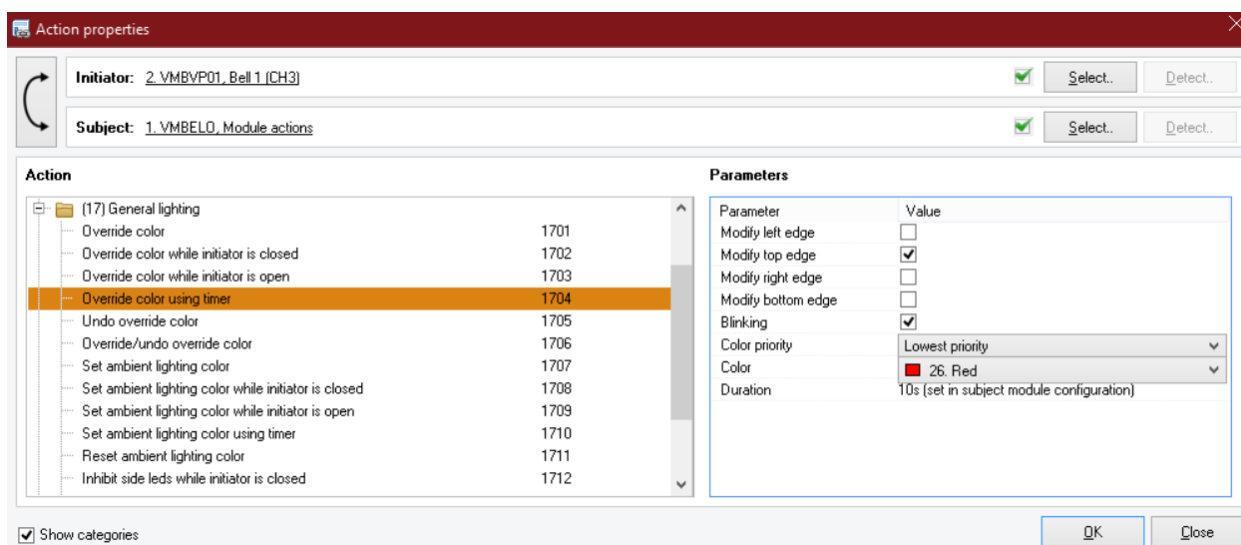
### 3.3 EXAMPLE 3: BLINKING SIDE LEDS DURING 10 SECONDS WHEN SOMEONE RINGS AT THE DOOR

The “override color” actions (1701-1705) have priority over the feedback and ambient lighting configuration settings, and over the other actions that influence the side leds. Independently of their current state, the “override color” actions will always have effect.

To make eg. a doorbell button blink the lights on one or more VMBEL modules during 10 seconds, use the following action:

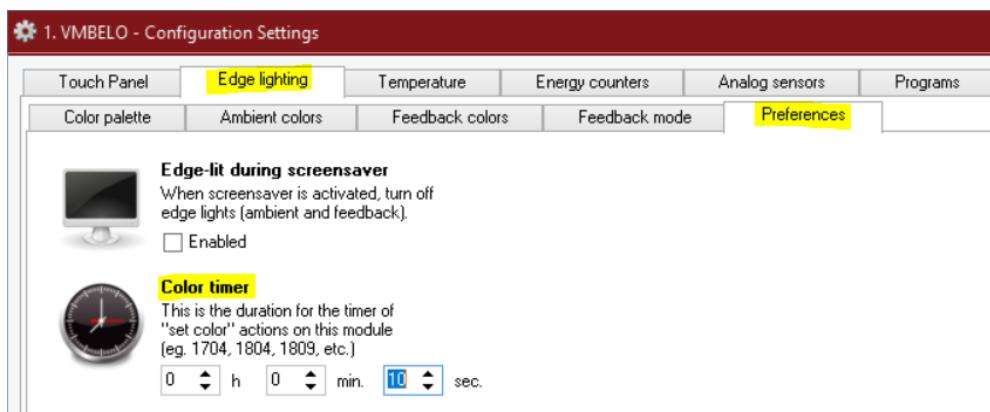


In the action parameters, you can choose which sides are affected (left, top, right and/or bottom), which color (or off) is to be set, and whether the lights should blink or not.



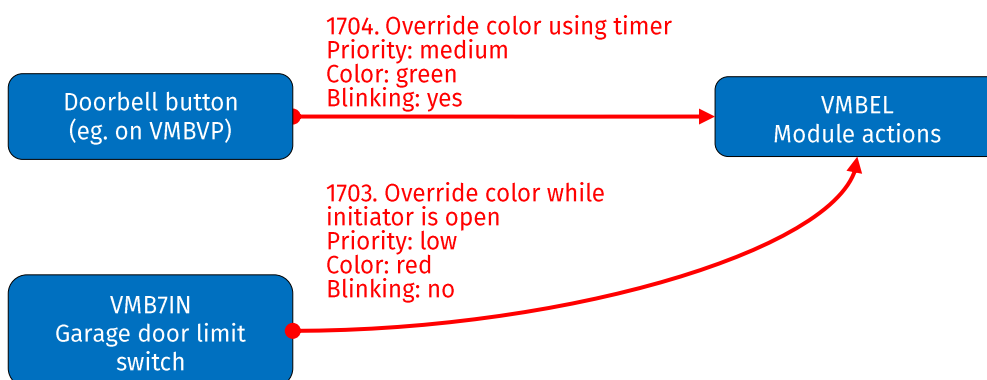
The duration of the timer of action 1704 (and other lighting actions involving a timer) is not set in the action parameters, but in the subject module's configuration settings:



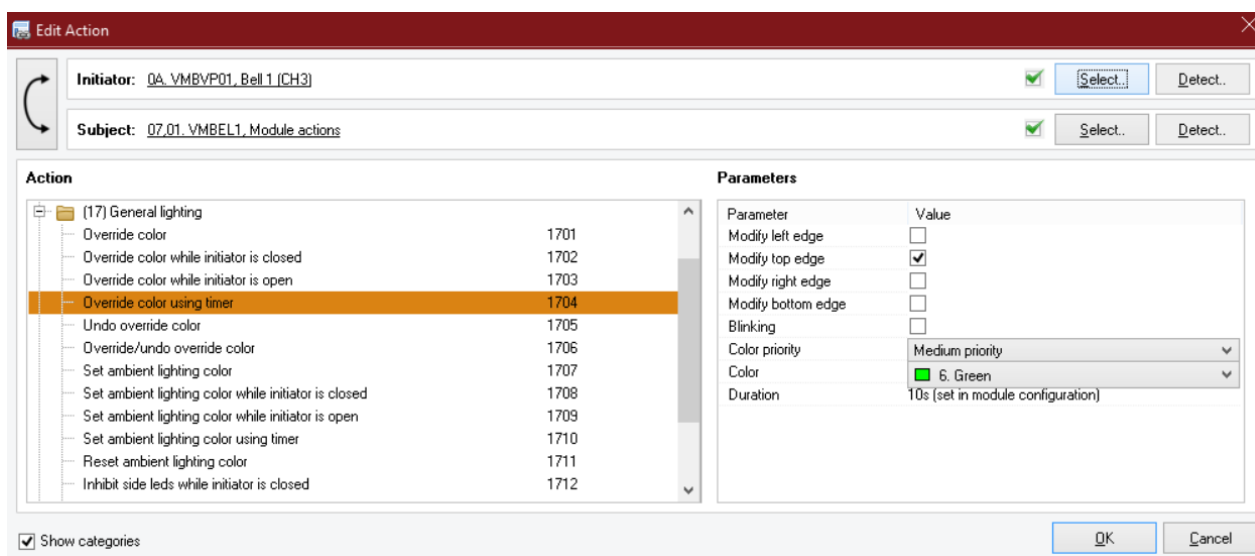


### 3.4 EXAMPLE 4: DOUBLE OVERRIDE (WITH PRIORITIES)

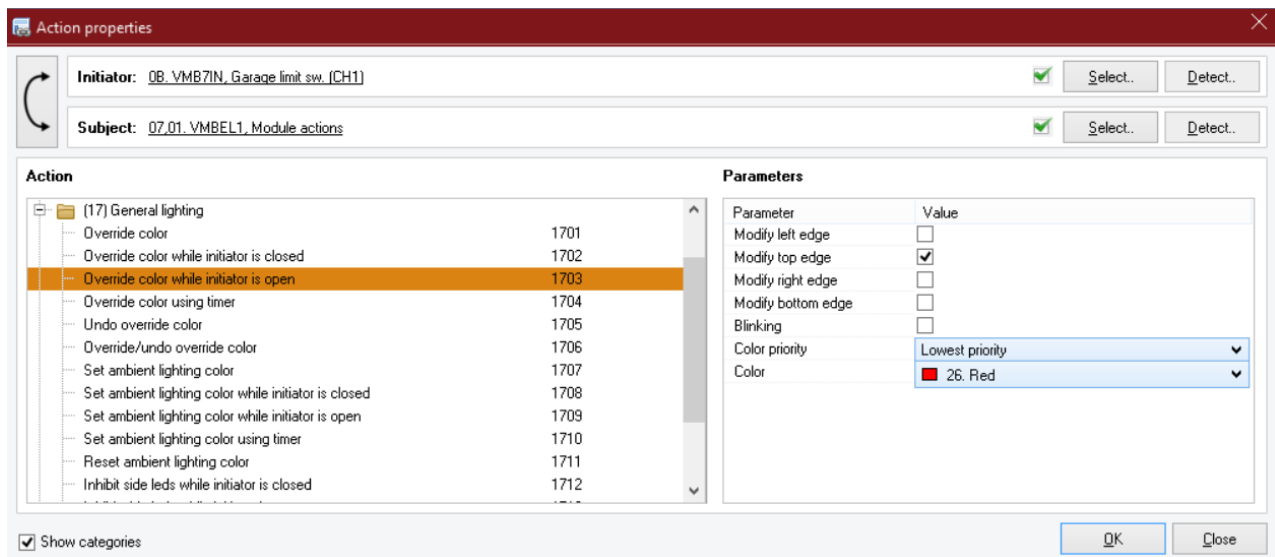
In the example below the top led is red when the garage door is open, and blinking green during 10 seconds when someone rings at the door. The doorbell light signal is configured to have priority over the garage door light signal.



The action for the doorbell light signal is as follows:



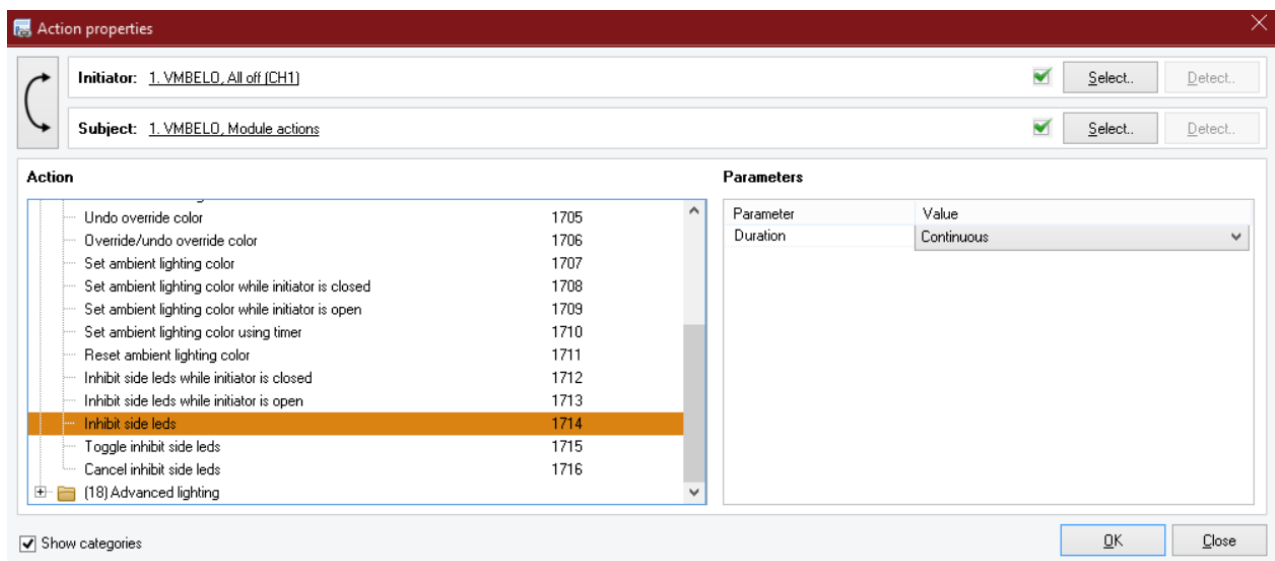
The action for the garage door light signal is as follows:



## 4 EXTRAS

### 4.1 INHIBIT SIDE LEDS ON “ALL OFF”

To make sure the ambient (and feedback) lighting are off while nobody is home, add an “inhibit side leds” action to the “all off” button,



and a “cancel inhibit side leds” to the “I’m home” button (or to eg. the hallway light button):

