

MICROSENS

Product Manual | Smart
Director App

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1 Introduction

1.1 Scope of this Document

This document describes the detailed functionality of the Smart Director App for MICROSENS Generation 6 switch products. It does not describe hardware specific product features.

Some of the features or functions described in this document may not be available on all products, depending on the hardware capabilities of the individual device. Please consult the product's hardware data sheet for further reference.

Smart Building Manager

Most of the Smart Director App functions can be accessed via the MICROSENS Smart Building Manager (SBM), which is a separate product. The description of SBM functionality in relationship with the Smart Director App is beyond the scope this document. Please see the SBM Manual for further reference.

1.2 Intended Audience

This document is intended as handbook for technicians and administrators involved with the installation, administration and maintenance of MICROSENS Smart Building Solutions.

1.3 Supported Products

The Smart Director App requires a MICROSENS Generation 6 product with a minimum installed firmware version v10.7.7

1.4 Document Structure

This document describes the features and functions of the Smart Director App.

Key Features

This section lists and describes the key features of the Smart Director App.

Functional Description

This section describes and explains the concept and functionality of the feature-group.

CLI Command Reference

This section lists all parameters applicable for the feature-group and gives the possible access modes ('Read Only', 'Read/Write' or 'Executable Action'). For each group the path in the CLI is provided. When navigating in the CLI, with this path from the root the individual parameter can be addressed. See 'Command Line Interface (CLI)' section of this manual for further reference.

Configuration Parameters

This section lists all configuration parameters provided by the feature-group and shows all possible values a configuration parameter can adopt as well as the object identifier (OID), which is needed to configure the parameter by SNMP. See 'Simple Network Management Protocol (SNMP)' section of this manual for further reference.

The parameters may be arranged in groups or lists. For each list the size of the index is provided.

Configuration values can be written and control the behaviour of individual features. Configuration values are stored device internally in configuration files (per feature-section). These files can be accessed for backup and restore purposes. See 'File Operations' section of this manual for further reference.

Status Parameters

This section lists all status parameters provided by the feature-group and shows all possible values a status parameter can adopt as well as the object identifier (OID), which is needed to access the parameter by SNMP. See 'Simple Network Management Protocol (SNMP)' section of this manual for further reference. Status values are read-only and refer to internal states of the device.

1.5 Default User Accounts

The following user accounts are predefined:

Username	Password	Access Permissions
admin	administrator	Read / Write
user	microsens	Read / Write (limited)
public	microsens	Read Only

After the Smart Director App is installed, an additional user account is defined for limited access to the user GUI only:

Username	Password	Access Permissions
smartuser	microsens	Limited access to smart GUI only

1.6 Permitted / not permitted Characters

1.6.1 Generally not permitted characters

ASCII codes <32 and >126 (unless ISO 8859 is permitted)

Characters: < > ' & " „ " Â Ã (TAB)

1.6.2 Permitted characters for usage in passwords

Digits: 0-9

Letters: a-z, A-Z

Characters: # \$ * ? () ! . @ % = { } ~ + - , ^ _ (underscore) (space) in the middle

INFO: In passwords, leading and trailing blanks will be removed and multiple blanks will be merged into one single blank.

1.6.3 Permitted characters for usage in CLI, web manager, scripting, text, strings, etc.

Digits: 0-9

Letters: a-z, A-Z

Characters: # \$ * ? () [] / \ ' @ % = { | } ~ + - ! . : ; , ^ _(underscore) (space)

1.6.4 Support of ISO/IEC 8859-1 (Since V10.4.1):

Since Firmware version 10.4.1 German Umlaute, French Accents, etc. are supported in all user interfaces for selected descriptive parameters.

Support of ISO 8859-1 coding as follows:

ISO/IEC 8859-1

Code	...0	...1	...2	...3	...4	...5	...6	...7	...8	...9	...A	...B	...C	...D	...E	...F
0...	not used															
1...	not used															
2...	SP	!	"	#	\$	%	&	'	()	*	+	,	-	.	/
3...	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4...	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5...	P	Q	R	S	T	U	V	W	X	Y	Z	[\]	^	_
6...	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
7...	p	q	r	s	t	u	v	w	x	y	z	{		}	~	
8...	not used															
9...	not used															
A...	NBSP	ı	¢	£	¥	ı	§	¨	©	ª	«	¬	SHY	®	¯	
B...	°	±	²	³	´	µ	¶	·	¸	¹	º	»	¼	½	¾	¿
C...	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
D...	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
E...	à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
F...	ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ

Generally not permitted character

INFO: In CLI, search for keyword "\$ISO8859" to find out which character range is permitted for an individual parameter.

2 Smart Director App

2.1 Key Features

Smart Director App

Integrated App for complete room-based automation

Controls lighting, blinds and heating/cooling in the room.

Includes Smart Features like Human Centric Lighting (HCI) and Auto-Dimming

Smart control of lighting for less energy consumption and more comfort and productivity

Integrated GUI for intuitive control

High comfort and flexibility for users

Built-in Standard Applications

Presets for standard room applications

Quick and cost-effective installation and commissioning of typical scenarios without the need for deep configuration and extra programming.

Application: Room Automation

For a typical office or meeting room including control for lighting, blinds and heating/cooling. User control via GUI and physical buttons.

Application: Professional Lighting System

Lighting control for a typical office room including Human Centric Lighting (HCI) and user control via GUI.

2.2 Functional Description

Introduction

The SmartOffice concept is used to control lighting, shades, network access and other office aspects using a MICROSENS G6 switch or CSLC multichannel light controller. Local operation is facilitated using wireless buttons and sensors from various vendors and via a programmable graphical user interface (GUI) displayed on a tablet/phone (web page).

The interaction between all elements is programmed using the microScript language. All this is packaged in an installable app package and called SmartDirector. This document describes the functions provided by the SmartDirector App.

Basics

The SmartDirector App, in the following context simply called the App, has two main functional blocks:

1. Commissioning: Configuration of the SmartOffice firmware
2. Operation: Handling of user inputs and actor/sensor manipulation

Commissioning

The App is closely coupled to the MICROSENS SmartOffice functionality provided by the G6 system. This firmware provides several vital aspects that need to be configured for each use case. The App takes the burden out of these configuration tasks.

In particular this includes:

- Defining the user web interface which forms the web/tablet interface through which the user controls his lights, heating etc. The G6 firmware just provides the building blocks to create the interface (items like buttons and sliders) but the actual definition how many buttons appear on which pages and what they are actually doing, is all configured by the App.
- The G6 System provides device drivers to interface with various vendors or technologies like EnOcean, MQTT, or MICROSENS light and I/O controllers. Again, the App creates instances of such elements, names them and provides the logic that results in interaction of sensors and actors. Without the App, these elements would just sit there, collecting sensor data, but with no resulting action.

In order for the SmartDirector App to perform the configuration task, a number of parameter must be provided by the user (installer) at commissioning time. These include basic data such as the number of rooms and lights in a certain area.

Here is a major difference when compared to typical home user applications. In a private home setup typically new lights are added to the system when they are brought in. Then the operator can then decide what action they should perform.

The SmartDirector, on the other hand, is designed for pre-planned applications, like offices or hotel rooms, where it is planned ahead what lighting elements will be required. Therefore, this information can be entered into the App and then the required drivers for this environment are created right away, even if the actual installation of the hardware will come at a later time. This decouples software and hardware commissioning to a large degree. It also enables the preset of a system without actually having the elements at hand. In the private home logic, it is not possible to plan ahead and create logic for elements that are not existing yet.

Quick start

New with App100 is the option to preset 2 typical applications. The preset configures the App and some controller functions, so that the whole setup is done in 2 easy steps.

Mvp-1: Room Automation

- Expects 1x PLM + 1 or 2 Smart-IO-Controller
- Up to 12 LED lights in 4 zones
- 4 Light Zones with 4 lights each
- 2 blinds zones
- 8 Push buttons for Blinds or lights control
- 1 climate zone

Mvp-2: CSLC based Professional Lighting System

- Expects 1 or 2 CSLC

- Up to 24 LED lights in 6 zones + 12 LED cold/warm LED in 3 zones
- 9 Light Zones
- no blinds zones
- no Push buttons, but possible with additional SIO
- no climate control

Operation

Once the commissioning is done, that is the sensors and actors are defined and connected and graphical user interface (GUI) for the user has been configured, the operational phase begins.

Here the App acts as the brain of the installation. Let's look at a simple example to clarify this. We assume a physical push button is pressed. The underlying G6 firmware will call the App indicating which button was pressed. Now the App checks its own setup to see which action should be performed. Typically a predefined scene will be requested. The App now finds the associated scene definition and will inform all related actors to do something. In our example it will turn on certain lights to certain brightness level. The underlying system, in turn, will take care of actually writing the required data in the respective format to the associated elements. So the logic and the i/o activity is decoupled.

All logic, which lights, blinds, I/O etc. are affected is fully flexible by the underlying G6 System. The App makes a useful logic out of this flexibility. Because the App is programmed in a simple script language (that needs no compilation), it is possible to quickly adapt this logic, if required, without the need to change the device firmware of the underlying G6 system. Therefore, customer specific changes do not compromise the overall system quality and are easily done outside of a rigid firmware release cycle.

However, with increasing complexity incorporated into the App itself, it becomes necessary to view the SmartDirector as a release controlled software on its own.

It is possible to extend standard features by adding user scripts. These can, for example, be executed when a scene is invoked.

Operational Functionality

As stated before, the SmartDirector App can be tailored to the needs of a particular environment. The following feature summary describes the standard.

Scenes

Scenes form a fundamental element of the App. There are numerous ways to select a scene. A scene can modify almost all settings of the room. A typical scene only changes some aspects while others are not affected. Changes to the scene presets become effective as soon as the scene is applied the next time.

Lights

Any number of light zones can be set at once. It is possible to set dimlevel and hue (color of the light if supported by hardware). All values can be the same or individual. Autodim can be started/stopped for the zone(s)

Blinds

Any number of blind zones can be set at once, provided they require the same action. It is possible to set position or to move/stop/tilt the blinds. The blind position settings can be different for each zone within the same scene.

Devices

Any or all devices connected to switchable power outlets can be turned on or off individually. The power outlets are controlled using EnOcean devices. If these support power reading, their power consumption is recorded.

Extended Functions

Another scene can be called to also invoke these settings at once. This may be used to when light scenes should change together but to complicated settings not possible in a single scene.

A user script can be called. This script can be used to perform any other task such as changing a temperature or sending an MQTT message. The script functionality is very versatile. Separate documentation is available on this subject.

Scene Invocation

A scene can be invoked (called up) via many ways:

- Scene button on the GUI (tablet/web)
- Physical push button. (A button can be configured to call scenes in a sequence for each push to implement toggle or cross-switch functions)
- At startup
- After a long (programmable) time once motion occurs again
- Via MQTT topic (from another system)
- Via REST Interface (from another system)
- From a script

Rooms

The logic of a room is used to present individual GUI home pages for each room. The assumption is, that every physical room may have a control tablet or another occupant with his phone. On that tablet only scenes that affect that room should appear. In the scene configuration is possible to assign a scene to a room for that purpose. Also light zones can be mapped to a room. This is needed to determine when a room is vacant (when all associated light zones detect idle for some time)

Up to 12 rooms may be defined. Default and quick settings define just one room.

Light Zones

The App can control up to 12 independent light zones. A light zone contains any number of lights (within system limits) that should perform the same actions together. A light zone can be associated with a certain room. Several light zones may coexist in the same room. (But a light zone cannot be part of two rooms)

For example a room is an office with 3 employees. Each one may have its own light(s) associated and can keep its own automatic (or manual) light level.

When no motion activity is detected the light zone dims down (to 0 or another preset value) to save energy. The timeout value is independent for each zone to accommodate different room uses. (1min – 12 hours in several steps)

Auto-Dimming

Each light zone can independently use automatic dimming which aims to keep the brightness on a constant level when it gets dark outside. The autodim feature can be combined with human centric lighting. This means that the overall brightness is lowered in the morning and evening and the light color is shifted toward warm at the same time. This logic follows a sine wave.

Parameters include:

- Autodim target level (Note this is not a calibrated Lux value but rather a unitless perceptive setting. This is because most sensors provide non-calibrated values and most important because the physical location of the sensor (ceiling, wall, desk) as well as the colors in the room strongly affect the measured value.)
- Begin and end hour of human-centric light curve
- Dimlevel boundaries. Usually the light is controlled between 0% (off) and 100%. In some cases a minimum light level from the lighting is desired. Lower and upper limits can be set.
- Motion detection can be combined with auto dimming.

Motion Detection

When no motion is detected for a definable time, light zones can be dimmed down. A limit can be set, so that a minimum light level is maintained. All settings are independent for each light zone. Several motion sensors can be combined. All zone motion information may be combined to a global motion information. Then all zones turn on/off together. If the motion of a zone was inactive (idle) for a globally definable time, a start scene can be invoked on motion. This is intended as a welcome scene for the next morning. Note that currently the start scene is global, not zone specific.

Physical Buttons

The App can theoretically use any type of button. In practice the G6 system supports EnOcean and buttons connected to digital input pins of the MICROSENS Smart-IO-controller. Up to 8 button devices, where each device can have up to 6 individual push buttons, are supported by the App. Each button can be mapped to call a scene or a sequence of scenes.

It is also possible to link buttons so that if one button is pressed, then a push on the linked button will also call the next sequenced scene. This is useful where several buttons in a room should work in the same way regardless of which one is pressed. Support for eQ-3/HomeMatic was dropped.

Climate Control

One climate zone can be defined. For each zone the parameter can independently be defined. The regulation can take place in an external EnOcean thermostat or can be controlled internally in the app. When internal regulation is selected, a script-based PLC is used which performs regulation using a PID regulator. Three different dead zones can be defined and a manual override is provided. A window open sensor can be configured to switch off heating automatically. A dew point sensor can be connected to automatically switch off cooling. A PWM output (for a heat mat) and 0-100% outputs for valves are available.

Names

Names can be assigned to:

- Light zones
- Blind zones
- Devices
- Rooms

Icons can be assigned to scenes. Main screen logo can be assigned (default MICROSENS)

Operator System Commands

The App can be configured via CLI, configuration web interface and NMP. At this level the operator has full access to all system parameters. In some cases it is desirable that the operator setting up the SmartDirector does NOT have access to other parameters related to the underlying G6 system (VLAN, IP, etc). For these cases a special web interface is provided that only displays parameters of

the SmartDirector App, but not the rest of the G6 system. For the benefit of such users, some basic information is duplicated in the App to be able to still get access.

- Get and set time and date
- View IP address and gateway
- Perform configuration backup and restore
- View devices
- Identify devices
- Pair and unpair devices
- Restart devices

NEW: The direct link to open this web page is found under:
"app.smartdirector.quick_start.link_to_operator_gui" URL: "/app/smartdirector.html"

User System Access via GUI

For a normal user (not operator) it is usually not possible to modify system aspects. In order to offer some degree of control to the user, a passcode can be provided which enables access to further web pages in the public GUI. The passcode is a number that can freely be configured in the App.

These extra web pages permit to redefine icons and to modify scene values via the user GUI. It is also possible to change the autodim target level here.

With the passcode access it is also possible to reboot the device via the GUI. (with extra warning)
This is provided as an emergency reboot in case of severe malfunction.

NEW: The direct link to open user gui web page is found under:
"app.smartdirector.quick_start.link_to_user_gui" URL: "/gui/SmartOffice.html"

2.3 smartdirector CLI Command Reference

The following table lists all CLI commands applicable for this feature section. For each parameter, the access mode is given:

R = Read Only, R/W = Read/Write, X = Executable Action.

Please note that the effective access rights are dependent on the login level of the user.

Cat	Grp	Tbl	Para	Opt	RWX	Description
App.						
			smartdirector.			This app installs the SmartOffice user interface and control functionality.
			run		X	Use run to install the default GUI. Observe App.SmartDirector.room_config.run_creation_mode parameter for details.
			about.			This section contains mandatory information that every app needs to support. The values herein can only be modified by the app designer.
			name		R	Unique app specific parameter name. At least 3 character are required. THIS NAME SHOULD NOT BE MODIFIED BY USERS.
			display_name		R	Displays information about the selected app.
			version		R	Displays help information about the use and setup of the app.
			creation_date		R	Creation date of this version
			app_id		R	Run configuration script of the selected app.
			min_firmware_version		R	Run status script of the selected app.
			license_free		R	When enabled this app does not require a license file.
			description		R	A text that explains the use and reason for this particular app.
			developer		R	Here the app developer or company can leave its traces.
			quick_start.			The parameter in this table define the fundamental room definitions. Changing any of these values requires a new RUN in order to create the required GUI elements and device control logic.
			clear_all		X	Deletes all SmartOffice and GUI parameter settings. Optionally also all devices are erased. Syntax: clear_all = CONFIRM or CONFIRM ALL to include devices.
			preset_mvp_1		X	Set parameter to: 12 LED in 4 zones, 2 independent blinds, 4 push button switches, 4 device relays
			preset_mvp_2		X	Set parameter to: 24 LED in 6 zones, 12 Bicolor LED in 6 zones, no blinds, no buttons, no device relays.
			apply_configuration		X	Run auto configuration function with the defined preset. Identical to room_config.run_mode=FROM_SCRATCH followed by App.SmartDirector.run command. This command deletes all existing data and the GUI. Only paired devices are retained.

update_configuration	X	Run auto configuration function with the defined preset. Identical to room_config.run_mode=UPDATE_ALL followed by App.SmartDirector.run command. This command does not delete any existing entries.
link_to_operator_gui	R/W	In the web interface click on the QR code to open the start web page of the SmartDirector operator GUI.
link_to_user_gui	R/W	In the web interface click on the QR code to open the start web page of the user GUI. The GUI will be available only after the app configuration has run.
system_commands.		These commands allow to execute basic system commands from the app without need to access the system console.
show_time	X	Display the current system time.
set_time	X	Sets the system clock (time only). Syntax: 12:30:00
set_date	X	Sets the system clock (date only). Syntax: 2017-12-24
show_ip_settings	X	Display the current system IP settings
config_backup	X	Save the current App config to specified file name. Syntax: config_backup = name
config_restore	X	Load the current App config from the specified file. Syntax: config_restore = name
config_list_folders	X	Display a list of all saved app specific configurations. Other configuration folders possibly existing on the system are not shown and are also not accessible from the app level.
config_compare	X	Compare two App configurations. Syntax: config_compare = name1 name2 When the second name is omitted the file is compared against the currently running configuration.
device_control.		These commands allow for control and setup of physical devices.
show_devices	X	Displays all SmartController and EnOcean devices currently defined and their status.
identify	X	SmartController will blink its status LED or the panel to help locating it. Syntax: ..identify = NAME [Instance] The instance is optional for multiport controllers like the CSLC.
pair	X	Pair an EnOcean device. Syntax ..pair = NAME Retrieve the possible names from the show_devices command.
unpair	X	Unpair an EnOcean device. Syntax ..unpair = NAME Retrieve the possible names from the show_devices command.
calibrate	X	Calibrate a device to limit power output to a panel. Syntax: ..calibrate = NAME VALUE
restart	X	Restart the device supplied behind =.
room_config.		The parameter in this table define the fundamental room definitions. Changing any of these values requires a new RUN in order to create the required GUI elements and device control logic.

run_creation_mode	R/W	This parameter defines the function of the App.SmartDirector.run command. The option FROM_SCRATCH will delete the entire SmartOffice installation and will recreate a new setup according to the values selected in the section below. UPDATE will also use the configuration but will not delete the existing SmartOffice installation. This is much quicker, but may lead to unused elements. This setting is recommended when names have changed. After the run command has executed this parameter is returned to DISABLED in order to protect against accidental run command execution.
target_light_controllers	R/W	Depending on this setting, the devices and groups are created differently for easier handling.
target_io_controllers	R/W	Depending on this setting, the configuration for buttons, blinds and switched devices are created.
number_of_rooms	R/W	Number of rooms controlled by a single director. Most often this is one.
number_of_light_zones	R/W	Number of work places under control of this director that share the same light settings.
number_of_lights_in_zone_1	R/W	Select the number individual lights (panels) in light group 1.
panel_type_zone_1	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_2	R/W	Select the number individual lights (panels) in light group 2.
panel_type_zone_2	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_3	R/W	Select the number individual lights (panels) in light group 3.
panel_type_zone_3	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_4	R/W	Select the number individual lights (panels) in light group 4.
panel_type_zone_4	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_5	R/W	Select the number individual lights (panels) in light group 5.
panel_type_zone_5	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_6	R/W	Select the number individual lights (panels) in light group 6.
panel_type_zone_6	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_7	R/W	Select the number individual lights (panels) in light group 7.
panel_type_zone_7	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_8	R/W	Select the number individual lights (panels) in light group 8.

panel_type_zone_8	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_9	R/W	Select the number individual lights (panels) in light group 9.
panel_type_zone_9	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_10	R/W	Select the number individual lights (panels) in light group 10.
panel_type_zone_10	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_11	R/W	Select the number individual lights (panels) in light group 11.
panel_type_zone_11	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_lights_in_zone_12	R/W	Select the number individual lights (panels) in light group 12.
panel_type_zone_12	R/W	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.
number_of_blinds_zones	R/W	Select how many blinds zones are required. Blinds which will move together form one zone.
number_of_blinds_in_zone_1	R/W	Select the number individual blind actors in blinds group 1. Set to one when using Smart_IO device
number_of_blinds_in_zone_2	R/W	Select the number individual blind actors in blinds group 2. Set to one when using Smart_IO device
number_of_blinds_in_zone_3	R/W	Select the number individual blind actors in blinds group 3.
number_of_blinds_in_zone_4	R/W	Select the number individual blind actors in blinds group 4.
number_of_switched_devices	R/W	Select how many switched outlets and other devices which are turned on or off are connected
number_of_climate_zones	R/W	Number of independently controlled temperature zones.
number_of_buttons	R/W	Define how many push buttons (blocks) are used. Count every individual button.
light_zone_setup[12].		The parameter in this table define common room parameter. Changes are effective immediately unless otherwise noted.
name	R/W	Descriptive name of light zone. If left empty a default name is used.
motion_timeout	R/W	With no more motion detected, the light zone will timeout and dim down in the configured time.
timeout_dimlevel	R/W	Selects the brightness of the lights when the timeout applies. Usually this is 0 (off) but sometimes a minimum light level is desired. Range is 0 (off) to 100 (full).
autodim_dimlevel_range	R/W	Can be used to limit the autodim levels. The lights will not dim below the lower boundary and not above the upper boundary when defined. Syntax: Empty field: Full range (normal), For example: 10,90 defines a lower limit of 10% and max of 90%.

associated_room	R/W	Defines in which physical room the light zone is located. This is used for the room leaving button function.
associated_devices	R/W	This setup defines which devices are linked to this light zone. When the timeout occurs, these devices are switched off at the same time. A comma separated list is allowed: 2,3,4 Leave blank if no device is to be affected by this light zone.
blinds_setup[2].		
name	R/W	Define a name or location for the blind zone for easier reference in the GUI.
current_position	R/W	Indicates the current blinds position. (read only)
travel_time_up	R/W	Defines the time it takes to move the blinds from the fully closed to the fully open position.
travel_time_down	R/W	Defines the time it takes to move the blinds from the fully open to the fully closed position.
flip_time	R/W	Defines the time it takes to turn around the blinds without actually moving up or down. Half the time shall have the slats in straight (see through) position. Enter the precise value in seconds with fractions like 1.8
climate_config[2].		The parameter in this table define the fundamental climate control definitions. Most parameter are effective immediately unless otherwise noted.
standard_temperature	R/W	The nominal room temperature around which the use may alter the temperature with temperature_control_mode set to RELATIVE.
temperature_control_mode	R/W	Select between absolute and relative mode of operation. Relative only permits a variation of +-3K around a fixed set point. This parameter requires room configuration re-run to become effective.
climate_control_hardware	R/W	Select Smart_IO_Controller or EnOcean to be used for all aspects (sensor,driver,etc)
temperature_source	R/W	Select from where the current real temperature is read from. This is required when light zones and climate zones differ from another. This value is only applied when the climate control process restarts and requires to the re-run GUI . Rerun creation with UPDATE_ALL so that GUI displays matching temperature data and history source is set correctly.
dead_zone_day	R/W	The set temperature shall be held within this accuracy in K. Applies when room is in use.
dead_zone_night	R/W	The set temperature shall be held within this accuracy in K. Applies when room is not occupied.
dead_zone_standby	R/W	The set temperature shall be held within this accuracy in K. Applies when room is set to vacant or a window is open.
pid_constants	R/W	This sets up the PID regulator constants. Warning: Do not alter unless you know what you do! Syntax: KP:KI:KD. Use dot for floating point number.
pwm_period	R/W	When a value in seconds greater than 0 is defined, the regulator output will also be available as PWM I/O signal.
manual_cooling_value	R/W	Enter a value between 0 and 100 that will become active only when manual control is configured.
manual_heating_value	R/W	Enter a value between 0 and 100 that will become active only when manual control is configured.

manual_override	R/W	When enabled, the internal regulation is overridden and the manual valve values will be used instead.
setup.		This section contains parameter that will affect the general system operation. Changes become effective immediately.
custom_extensions_file	R/W	Often customized changes to the app, in order to support features not already configurable, are desired. These additions are located in a file outside of the app located in xml_cli_scripts folder. In order to support different variations of customization, the file name is selectable. If no file is specified, no outside calls are made. Please observe correct spelling and case. Add file extension .ms if used.
passcode	R/W	Enter a numeric passcode which is checked when the GUI is used to modify scene settings. Any number of digits from empty up to 16 digits may be specified.
use_global_motion_sensor	R/W	When enabled any motion detected will trigger all lights. When disabled motion detection acts on individual zones.
startup_scene_index	R/W	Selects with which scene the system comes up after reset.
restore_scene_on_reboot	R/W	When enabled the currently selected scene is stored in startup_scene_index. When the system reboots the last selected scene is selected. This feature can be useful when frequent power interruptions are expected.
idle_time_to_start_scene	R/W	Time in minutes after which the room will return to use startup_scene even when room was left at any other scene. When the room is entered before this time has elapsed, the last scene will be resumed. When set to 0 the current scene will never expire.
button_1_scenes	R/W	Permits custom association of physical button switches to scenes. This defines button 1. Select 4 comma separated values for EnOcean switch and 6 values for an EQ3 6 button switch. Specify additional 6 values for long press if desired. Use colon syntax for single buttons to toggle through a list of scenes: 1,2:3:4,2,1 Use syntax (button.instance) to bind a button to another button. Example: 11,(1.4),7:8:9,1:2 Button 1 instance 2 will do the same as instance 4 that is toggling between scenes 1 and 2. Referral to another button is also possible. Pressing instance 3 of the button will toggle between scenes 7,8 and 9. Any order of scenes may be specified. If the whole parameter or any instance section (,,) is empty then this button instance id disabled. Any change of configuration takes place immediately.
button_2_scenes	R/W	This defines button 2. For details please refer to the description for button_1_scenes.
button_3_scenes	R/W	This defines button 3. For details please refer to the description for button_1_scenes.
button_4_scenes	R/W	This defines button 4. For details please refer to the description for button_1_scenes.
button_5_scenes	R/W	This defines button 5. For details please refer to the description for button_1_scenes.
button_6_scenes	R/W	This defines button 6. For details please refer to the description for button_1_scenes.

button_7_scenes	R/W	This defines button 7. For details please refer to the description for button_1_scenes.
button_8_scenes	R/W	This defines button 8. For details please refer to the description for button_1_scenes.
names.		The section collects all nicknames that apply. Changes become effective immediately.
director	R/W	The name of the office or location for which this installation is used. This name will show up on the front page.
logo_image	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the image folder.
room_1	R/W	Enter a useful name which will be shown on the web interface
icon_room_1	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_2	R/W	Enter a useful name which will be shown on the web interface
icon_room_2	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_3	R/W	Enter a useful name which will be shown on the web interface
icon_room_3	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_4	R/W	Enter a useful name which will be shown on the web interface
icon_room_4	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_5	R/W	Enter a useful name which will be shown on the web interface
icon_room_5	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_6	R/W	Enter a useful name which will be shown on the web interface

icon_room_6	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_7	R/W	Enter a useful name which will be shown on the web interface
icon_room_7	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_8	R/W	Enter a useful name which will be shown on the web interface
icon_room_8	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_9	R/W	Enter a useful name which will be shown on the web interface
icon_room_9	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_10	R/W	Enter a useful name which will be shown on the web interface
icon_room_10	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_11	R/W	Enter a useful name which will be shown on the web interface
icon_room_11	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
room_12	R/W	Enter a useful name which will be shown on the web interface
icon_room_12	R/W	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
device_1	R/W	Enter a useful name which will be shown on the web interface
device_2	R/W	Enter a useful name which will be shown on the web interface
device_3	R/W	Enter a useful name which will be shown on the web interface

device_4	R/W	Enter a useful name which will be shown on the web interface
device_5	R/W	Enter a useful name which will be shown on the web interface
device_6	R/W	Enter a useful name which will be shown on the web interface
device_7	R/W	Enter a useful name which will be shown on the web interface
device_8	R/W	Enter a useful name which will be shown on the web interface
scenes[32].		This section contains custom parameter of this app. Changes become effective immediately on next scene change. Scene 0 is for testing a should not be used as a regular scene.
name	R/W	This name will be shown on the scene button
icon	R/W	Define the icon which will be shown on the scene button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
visible	R/W	A scene may appear on various screens or may be hidden altogether. An invisible entry can be associated with a physical button but does not appear on the graphical user interface with a scene button.
light_zones	R/W	Define which light zones are affected by this scene. Use comma separated list. Leave empty if no light zone is affected.
lights_action	R/W	Selects the action applied to all light_zones define above.
dimlevel	R/W	Selects the brightness of the lights in the selected zones. Range is 0 (off) to 100 (full). If several zones are selected and different levels are required use a comma separated list matching the zone order used in light_zones definition.
color_action	R/W	Selects if the color temperature of the selected zones is to be affected. Only affects led panels which support color settings.
color_temperature	R/W	Range is 3000 to 6000 Kelvin. 3000K is the warmest light and 6000 the coolest setting. Use comma separated list like for dimlevel if individual settings per zone are desired. Use value from 0 to 1535 for RGB color setting.
blinds_zones	R/W	Define which blind zones are affected by this scene. Use comma separated list. Leave empty if no blinds zone is affected.
blinds_action	R/W	Permits control of all functions of the selected blinds. All selected zones will perform the same action.
blinds_position	R/W	Select position if required by action above. Use comma separated list if several blinds are selected and not all should use the same setting. Shades are closed at 0 and fully open at 100.
devices_to_turn_on	R/W	Enter comma separated list of devices that should be turned on by this scene. Leave empty if no device is to be turned on.

devices_to_turn_off	R/W	Enter comma separated list of devices that should be turned off by this scene. Leave empty if no device is to be turned off.
chained_scene	R/W	Optionally assign a further scene that should be executed as well. This way complex scenes can be made of out several scene entries. Usually, this field is 0 to turn of the feature.
script	R/W	This parameter permits running of custom script located in public xml_cli_scripts folder. The script is run after the other scene elements have been executed. Syntax: /file:sub parameter. Note a subroutine must be called. Omit the leading / to call a subroutine local to the app.
status.		The status indicates what the app has been doing
setup_status	R/W	Indicates progress.
date_of_last_creation	R/W	Time and date when the configuration run was applied.
updating_system	R/W	Indicates true or enabled when the system is running an internal reconfiguration script.
human_centric_lighting.		This setting applies when human centric lighting is selected for a light zone. In simple term the hue of the light is changed according to the time to better adapt to human requirements. The features requires dual color LED panels to support the effect. Note a value around 3000K appears warm, while a value around 6000K appears cool.
start_hour	R/W	Defines the start hour at which the sine wave of the curve
end_hour	R/W	Defines the end hour at which the sine wave returns to 0. In the time outside of limit hours, the warmest_color_temperature is applied.
warmest_color_temperature	R/W	The light turns warmer (yellowish) in the morning and evening. This parameter defines the warmest limit in Kelvin. The value must be lower than the coldest limit. Note the precise value depends on the physical LED panel in use.
coldest_color_temperature	R/W	The light turns cooler (bluish) around the middle of the day. This defines the coldest limit in Kelvin. The value must be higher than the warmest limit.
warmest_autodim_reference	R/W	The light can be dimmed in the morning and evening. This parameter defines the lower autodim reference value limit. The value must be lower than the coldest limit. Note the optimum value depend on the local installation.
coldest_autodim_reference	R/W	The light brighter around the middle of the day. This defines the upper autodim reference value limit. The value must be higher than the warmest limit.

2.4 smartdirector Configuration Parameters

Group Path	General Parameters
run	<p>Use run to install the default GUI. Observe App.SmartDirector.room_config.run_creation_mode parameter for details.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.1 (smartdirectorRun)</p>

Group Path	Description
about	App.smartdirector.about
name	<p>Unique app specific parameter name. At least 3 character are required. THIS NAME SHOULD NOT BE MODIFIED BY USERS.</p> <p>Value String, max. 16 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.2 (smartdirectorAboutName)</p>
display_name	<p>Displays information about the selected app.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.3 (smartdirectorAboutDisplayName)</p>
version	<p>Displays help information about the use and setup of the app.</p> <p>Value String, max. 10 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.4 (smartdirectorAboutVersion)</p>

creation_date	Creation date of this version Value String, max. 16 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.5 (smartdirectorAboutCreationDate)
app_id	Run configuration script of the selected app. Value Number in range 1000-1999 OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.6 (smartdirectorAboutAppId)
min_firmware_version	Run status script of the selected app. Value String, max. 10 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.7 (smartdirectorAboutMinFirmwareVersion)
license_free	When enabled this app does not require a license file. Values enabled, disabled OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.8 (smartdirectorAboutLicenseFree)
description	A text that explains the use and reason for this particular app. Value String, max. 512 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.9 (smartdirectorAboutDescription)
developer	Here the app developer or company can leave its traces. Value String, max. 128 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.2.1.10 (smartdirectorAboutDeveloper)
Group	quick_start
Path	App.smartdirector.quick_start
Description	
clear_all	Deletes all SmartOffice and GUI parameter settings. Optionally also all devices are erased. Syntax: clear_all = CONFIRM or CONFIRM ALL to include devices. Action Execute command with parameter string max. 16 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.2 (smartdirectorQuickStartClearAll)

preset_mvp_1	<p>Set parameter to: 12 LED in 4 zones, 2 independent blinds, 4 push button switches, 4 device relays</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.3 (smartdirectorQuickStartPresetMvp1)</p>
preset_mvp_2	<p>Set parameter to: 24 LED in 6 zones, 12 Bicolor LED in 6 zones, no blinds, no buttons, no device relays.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.4 (smartdirectorQuickStartPresetMvp2)</p>
apply_configuration	<p>Run auto configuration function with the defined preset. Identical to room_config.run_mode=FROM_SCRATCH followed by App.SmartDirector.run command. This command deletes all existing data and the GUI. Only paired devices are retained.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.5 (smartdirectorQuickStartApplyConfiguration)</p>
update_configuration	<p>Run auto configuration function with the defined preset. Identical to room_config.run_mode=UPDATE_ALL followed by App.SmartDirector.run command. This command does not delete any existing entries.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.6 (smartdirectorQuickStartUpdateConfiguration)</p>
link_to_operator_gui	<p>In the web interface click on the QR code to open the start web page of the SmartDirector operator GUI.</p> <p>Value QRCODE</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.7 (smartdirectorQuickStartLinkToOperatorGui)</p>
link_to_user_gui	<p>In the web interface click on the QR code to open the start web page of the user GUI. The GUI will be available only after the app configuration has run.</p> <p>Value QRCODE</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.3.1.8 (smartdirectorQuickStartLinkToUserGui)</p>

Group	system_commands
Path	App.smartdirector.system_commands
Description	

show_time	<p>Display the current system time.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.2 (smartdirectorSystemCommandsShowTime)</p>
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set_time	<p>Sets the system clock (time only). Syntax: 12:30:00</p> <p>Action Execute command with parameter string max. 8 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.3 (smartdirectorSystemCommandsSetTime)</p>
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set_date	<p>Sets the system clock (date only). Syntax: 2017-12-24</p> <p>Action Execute command with parameter string max. 12 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.4 (smartdirectorSystemCommandsSetDate)</p>
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show_ip_settings	<p>Display the current system IP settings</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.5 (smartdirectorSystemCommandsShowIpSettings)</p>
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config_backup	<p>Save the current App config to specified file name. Syntax: config_backup = name</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.6 (smartdirectorSystemCommandsConfigBackup)</p>
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config_restore	<p>Load the current App config from the specified file. Syntax: config_restore = name</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.7 (smartdirectorSystemCommandsConfigRestore)</p>
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config_list_folders	<p>Display a list of all saved app specific configurations. Other configuration folders possibly existing on the system are not shown and are also not accessible from the app level.</p> <p>Action Execute command.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.8 (smartdirectorSystemCommandsConfigListFolders)</p>
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config_compare	<p>Compare two App configurations. Syntax: config_compare = name1 name2 When the second name is omitted the file is compared against the currently running configuration.</p> <p>Action Execute command with parameter string max. 128 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.4.1.9 (smartdirectorSystemCommandsConfigCompare)</p>
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Group	device_control
Path	App.smartdirector.device_control
Description	
show_devices	<p>Displays all SmartController and EnOcean devices currently defined and their status.</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.2 (smartdirectorDeviceControlShowDevices)</p>
identify	<p>SmartController will blink its status LED or the panel to help locating it. Syntax: ..identify = NAME [Instance] The instance is optional for multiport controllers like the CSLC.</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.3 (smartdirectorDeviceControlIdentify)</p>
pair	<p>Pair an EnOcean device. Syntax ..pair = NAME Retrieve the possible names from the show_devices command.</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.4 (smartdirectorDeviceControlPair)</p>
unpair	<p>Unpair an EnOcean device. Syntax ..unpair = NAME Retrieve the possible names from the show_devices command.</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.5 (smartdirectorDeviceControlUnpair)</p>
calibrate	<p>Calibrate a device to limit power output to a panel. Syntax: ..calibrate = NAME VALUE</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.6 (smartdirectorDeviceControlCalibrate)</p>
restart	<p>Restart the device supplied behind =.</p> <p>Action Execute command with parameter string max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.5.1.7 (smartdirectorDeviceControlRestart)</p>
Group	room_config
Path	App.smartdirector.room_config
Description	

run_creation_mode	<p>This parameter defines the function of the App.SmartDirector.run command. The option FROM_SCRATCH will delete the entire SmartOffice installation and will recreate a new setup according to the values selected in the section below. UPDATE will also use the configuration but will not delete the existing SmartOffice installation. This is much quicker, but may lead to unused elements. This setting is recommended when names have changed. After the run command has executed this parameter is returned to DISABLED in order to protect against accidental run command execution.</p> <p>Values</p> <table border="0"> <tr> <td style="padding-right: 20px;"><i>DISABLED</i></td> <td>The app.smartdirector.run command is disabled to secure configuration</td> </tr> <tr> <td style="padding-right: 20px;"><i>UPDATE_ALL</i></td> <td>The app.smartdirector.run command will update the GUI and groups according to config but will leave other manually defined groups and gui elements untouched. Also scene defaults and device pairing are kept intact.</td> </tr> <tr> <td style="padding-right: 20px;"><i>FROM_SCRATCH</i></td> <td>The app.smartdirector.run command will first delete any existing SmartOffice and GUI configuration and start from scratch. This will allow for a clean installation.</td> </tr> <tr> <td style="padding-right: 20px;"><i>UPDATE_ONLY_GUI</i></td> <td>The app.smartdirector.run command keep the system operating, while the GUI is updated. Use this to update names.</td> </tr> <tr> <td style="padding-right: 20px;"><i>ADD_LIGHTS</i></td> <td>Use with CSLC to add new lights without moving existing associations.</td> </tr> </table> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.2 (smartdirectorRoomConfigRunCreationMode)</p>	<i>DISABLED</i>	The app.smartdirector.run command is disabled to secure configuration	<i>UPDATE_ALL</i>	The app.smartdirector.run command will update the GUI and groups according to config but will leave other manually defined groups and gui elements untouched. Also scene defaults and device pairing are kept intact.	<i>FROM_SCRATCH</i>	The app.smartdirector.run command will first delete any existing SmartOffice and GUI configuration and start from scratch. This will allow for a clean installation.	<i>UPDATE_ONLY_GUI</i>	The app.smartdirector.run command keep the system operating, while the GUI is updated. Use this to update names.	<i>ADD_LIGHTS</i>	Use with CSLC to add new lights without moving existing associations.
<i>DISABLED</i>	The app.smartdirector.run command is disabled to secure configuration										
<i>UPDATE_ALL</i>	The app.smartdirector.run command will update the GUI and groups according to config but will leave other manually defined groups and gui elements untouched. Also scene defaults and device pairing are kept intact.										
<i>FROM_SCRATCH</i>	The app.smartdirector.run command will first delete any existing SmartOffice and GUI configuration and start from scratch. This will allow for a clean installation.										
<i>UPDATE_ONLY_GUI</i>	The app.smartdirector.run command keep the system operating, while the GUI is updated. Use this to update names.										
<i>ADD_LIGHTS</i>	Use with CSLC to add new lights without moving existing associations.										

target_light_controllers	<p>Depending on this setting, the devices and groups are created differently for easier handling.</p> <p>Values</p> <table border="0"> <tr> <td style="padding-right: 20px;"><i>AUTO</i></td> <td>App tries to identify the underlying hardware</td> </tr> <tr> <td style="padding-right: 20px;"><i>SLC</i></td> <td>Individual SmartLightController for each light</td> </tr> <tr> <td style="padding-right: 20px;"><i>CSLC_V2</i></td> <td>24 channel CSLC. V2 uses 4 internal boards</td> </tr> <tr> <td style="padding-right: 20px;"><i>CSLC_V4</i></td> <td>24 channel CSLC. V4 uses 1 internal board</td> </tr> </table> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.3 (smartdirectorRoomConfigTargetLightControllers)</p>	<i>AUTO</i>	App tries to identify the underlying hardware	<i>SLC</i>	Individual SmartLightController for each light	<i>CSLC_V2</i>	24 channel CSLC. V2 uses 4 internal boards	<i>CSLC_V4</i>	24 channel CSLC. V4 uses 1 internal board
<i>AUTO</i>	App tries to identify the underlying hardware								
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<i>CSLC_V2</i>	24 channel CSLC. V2 uses 4 internal boards								
<i>CSLC_V4</i>	24 channel CSLC. V4 uses 1 internal board								

target_io_controllers	<p>Depending on this setting, the configuration for buttons, blinds and switched devices are created.</p> <p>Values</p> <table border="0"> <tr> <td style="padding-right: 20px;"><i>ENOCEAN</i></td> <td>EnOcean buttons, blind actor and switched power plugs are used</td> </tr> <tr> <td style="padding-right: 20px;"><i>SMART_IO</i></td> <td>Microsens Smart_IO_Controller with analog and digital in/outputs</td> </tr> <tr> <td style="padding-right: 20px;"><i>SMART_DIGITAL_IO</i></td> <td>Microsens Smart_IO_Controller with only digital in/outputs</td> </tr> </table> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.4 (smartdirectorRoomConfigTargetIoControllers)</p>	<i>ENOCEAN</i>	EnOcean buttons, blind actor and switched power plugs are used	<i>SMART_IO</i>	Microsens Smart_IO_Controller with analog and digital in/outputs	<i>SMART_DIGITAL_IO</i>	Microsens Smart_IO_Controller with only digital in/outputs
<i>ENOCEAN</i>	EnOcean buttons, blind actor and switched power plugs are used						
<i>SMART_IO</i>	Microsens Smart_IO_Controller with analog and digital in/outputs						
<i>SMART_DIGITAL_IO</i>	Microsens Smart_IO_Controller with only digital in/outputs						

number_of_rooms	Number of rooms controlled by a single director. Most often this is one.
Values	<p><i>ONE</i> A single light zone can be controlled</p> <p><i>TWO</i> Two light zones can be controlled independently</p> <p><i>THREE</i> Three light zones can be controlled independently</p> <p><i>FOUR</i> Four light zones can be controlled independently</p> <p><i>FIVE</i> Five light zones can be controlled independently</p> <p><i>SIX</i> Six light zones can be controlled independently</p> <p><i>EIGHT</i> Eight light zones can be controlled independently</p> <p><i>NINE</i> Nine light zones can be controlled independently</p> <p><i>TEN</i> Ten light zones can be controlled independently</p> <p><i>TWELVE</i> Twelve light zones can be controlled independently</p>
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.5 (smartdirectorRoomConfigNumberOfRooms)

number_of_light_zones	Number of work places under control of this director that share the same light settings.
Values	<p><i>ONE</i> A single light zone can be controlled</p> <p><i>TWO</i> Two light zones can be controlled independently</p> <p><i>THREE</i> Three light zones can be controlled independently</p> <p><i>FOUR</i> Four light zones can be controlled independently</p> <p><i>FIVE</i> Five light zones can be controlled independently</p> <p><i>SIX</i> Six light zones can be controlled independently</p> <p><i>EIGHT</i> Eight light zones can be controlled independently</p> <p><i>NINE</i> Nine light zones can be controlled independently</p> <p><i>TEN</i> Ten light zones can be controlled independently</p> <p><i>TWELVE</i> Twelve light zones can be controlled independently</p>
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.6 (smartdirectorRoomConfigNumberOfLightZones)

number_of_lights_in_zone_1	Select the number individual lights (panels) in light group 1.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.7 (smartdirectorRoomConfigNumberOfLightsInZone1)

panel_type_zone_1	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.8 (smardirectorRoomConfigPanelTypeZone1)</p>
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number_of_lights_in_zone_2	<p>Select the number individual lights (panels) in light group 2.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.9 (smardirectorRoomConfigNumberOfLightsInZone2)</p>
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panel_type_zone_2	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.10 (smardirectorRoomConfigPanelTypeZone2)</p>
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number_of_lights_in_zone_3	<p>Select the number individual lights (panels) in light group 3.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.11 (smardirectorRoomConfigNumberOfLightsInZone3)</p>
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panel_type_zone_3	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.12 (smardirectorRoomConfigPanelTypeZone3)</p>
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number_of_lights_in_zone_4	<p>Select the number individual lights (panels) in light group 4.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.13 (smardirectorRoomConfigNumberOfLightsInZone4)</p>
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panel_type_zone_4	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.14 (smartdirectorRoomConfigPanelTypeZone4)						

number_of_lights_in_zone_5	Select the number individual lights (panels) in light group 5.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.15 (smartdirectorRoomConfigNumberOfLightsInZone5)

panel_type_zone_5	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.16 (smartdirectorRoomConfigPanelTypeZone5)						

number_of_lights_in_zone_6	Select the number individual lights (panels) in light group 6.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.17 (smartdirectorRoomConfigNumberOfLightsInZone6)

panel_type_zone_6	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.18 (smartdirectorRoomConfigPanelTypeZone6)						

number_of_lights_in_zone_7	Select the number individual lights (panels) in light group 7.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.19 (smartdirectorRoomConfigNumberOfLightsInZone7)

panel_type_zone_7	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.20 (smardirectorRoomConfigPanelTypeZone7)</p>
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number_of_lights_in_zone_8	<p>Select the number individual lights (panels) in light group 8.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.21 (smardirectorRoomConfigNumberOfLightsInZone8)</p>
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panel_type_zone_8	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.22 (smardirectorRoomConfigPanelTypeZone8)</p>
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number_of_lights_in_zone_9	<p>Select the number individual lights (panels) in light group 9.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.23 (smardirectorRoomConfigNumberOfLightsInZone9)</p>
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panel_type_zone_9	<p>Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.</p> <p>Values <i>STANDARD</i> A single SmartLightController is used <i>COLD_WARM</i> Two SmartLightControllers are required per panel <i>RGB</i> Three SmartLightControllers are required per panel</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.24 (smardirectorRoomConfigPanelTypeZone9)</p>
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number_of_lights_in_zone_10	<p>Select the number individual lights (panels) in light group 10.</p> <p>Value Number in range 0-12</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.25 (smardirectorRoomConfigNumberOfLightsInZone10)</p>
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panel_type_zone_10	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.26 (smartdirectorRoomConfigPanelTypeZone10)						

number_of_lights_in_zone_11	Select the number individual lights (panels) in light group 11.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.27 (smartdirectorRoomConfigNumberOfLightsInZone11)

panel_type_zone_11	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.28 (smartdirectorRoomConfigPanelTypeZone11)						

number_of_lights_in_zone_12	Select the number individual lights (panels) in light group 12.
Value	Number in range 0-12
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.29 (smartdirectorRoomConfigNumberOfLightsInZone12)

panel_type_zone_12	Select between normal LED light and bicolor warm/cold settable LED light. All lights within a group must be of same type.						
Values	<table> <tr> <td><i>STANDARD</i></td> <td>A single SmartLightController is used</td> </tr> <tr> <td><i>COLD_WARM</i></td> <td>Two SmartLightControllers are required per panel</td> </tr> <tr> <td><i>RGB</i></td> <td>Three SmartLightControllers are required per panel</td> </tr> </table>	<i>STANDARD</i>	A single SmartLightController is used	<i>COLD_WARM</i>	Two SmartLightControllers are required per panel	<i>RGB</i>	Three SmartLightControllers are required per panel
<i>STANDARD</i>	A single SmartLightController is used						
<i>COLD_WARM</i>	Two SmartLightControllers are required per panel						
<i>RGB</i>	Three SmartLightControllers are required per panel						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.30 (smartdirectorRoomConfigPanelTypeZone12)						

number_of_blinds_zones	Select how many blinds zones are required. Blinds which will move together form one zone.						
Values	<table> <tr> <td><i>NO_BLINDS</i></td> <td>No blinds or shades are used</td> </tr> <tr> <td><i>ONE</i></td> <td>A single blind zone can be controlled</td> </tr> <tr> <td><i>TWO</i></td> <td>Two blind zones can be controlled independently</td> </tr> </table>	<i>NO_BLINDS</i>	No blinds or shades are used	<i>ONE</i>	A single blind zone can be controlled	<i>TWO</i>	Two blind zones can be controlled independently
<i>NO_BLINDS</i>	No blinds or shades are used						
<i>ONE</i>	A single blind zone can be controlled						
<i>TWO</i>	Two blind zones can be controlled independently						
OID	1.3.6.1.4.1.3181.10.6.11.1020.6.1.31 (smartdirectorRoomConfigNumberOfBlindsZones)						

number_of_blinds_in_zone_1	<p>Select the number individual blind actors in blinds group 1. Set to one when using Smart_IO device</p> <p>Value Number in range 0-8</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.32 (smartdirectorRoomConfigNumberOfBlindsInZone1)</p>
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number_of_blinds_in_zone_2	<p>Select the number individual blind actors in blinds group 2. Set to one when using Smart_IO device</p> <p>Value Number in range 0-8</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.33 (smartdirectorRoomConfigNumberOfBlindsInZone2)</p>
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number_of_blinds_in_zone_3	<p>Select the number individual blind actors in blinds group 3.</p> <p>Value Number in range 0-8</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.34 (smartdirectorRoomConfigNumberOfBlindsInZone3)</p>
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number_of_blinds_in_zone_4	<p>Select the number individual blind actors in blinds group 4.</p> <p>Value Number in range 0-8</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.35 (smartdirectorRoomConfigNumberOfBlindsInZone4)</p>
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number_of_switched_devices	<p>Select how many switched outlets and other devices which are turned on or off are connected</p> <p>Values <i>NO_DEVICES</i> No switched outlets or spotlights <i>ONE</i> One switched device <i>TWO</i> Two switched devices <i>FOUR</i> Four switched devices <i>SIX</i> Six switched devices <i>EIGHT</i> Eight switched devices</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.36 (smartdirectorRoomConfigNumberOfSwitchedDevices)</p>
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number_of_climate_zones	<p>Number of independently controlled temperature zones.</p> <p>Values <i>NO_CLIMATE</i> No climate control is used <i>ONE</i> A single climate zone can be controlled</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.37 (smartdirectorRoomConfigNumberOfClimateZones)</p>
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number_of_buttons	<p>Define how many push buttons (blocks) are used. Count every individual button.</p> <p>Value Number in range 0-32</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.6.1.38 (smartdirectorRoomConfigNumberOfButtons)</p>
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Group	setup
Path	App.smartdirector.setup
Description	
custom_extensions_file	<p>Often customized changes to the app, in order to support features not already configurable, are desired. These additions are located in a file outside of the app located in xml_cli_scripts folder. In order to support different variations of customization, the file name is selectable. If no file is specified, no outside calls are made. Please observe correct spelling and case. Add file extension .ms if used.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.2 (smartdirectorSetupCustomExtensionsFile)</p>
passcode	<p>Enter a numeric passcode which is checked when the GUI is used to modify scene settings. Any number of digits from empty up to 16 digits may be specified.</p> <p>Value String, max. 16 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.3 (smartdirectorSetupPasscode)</p>
use_global_motion_sensor	<p>When enabled any motion detected will trigger all lights. When disabled motion detection acts on individual zones.</p> <p>Values enabled, disabled</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.4 (smartdirectorSetupUseGlobalMotionSensor)</p>
startup_scene_index	<p>Selects with which scene the system comes up after reset.</p> <p>Value Number in range 1-32</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.5 (smartdirectorSetupStartupSceneIndex)</p>
restore_scene_on_reboot	<p>When enabled the currently selected scene is stored in startup_scene_index. When the system reboots the last selected scene is selected. This feature can be useful when frequent power interruptions are expected.</p> <p>Values enabled, disabled</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.6 (smartdirectorSetupRestoreSceneOnReboot)</p>
idle_time_to_start_scene	<p>Time in minutes after which the room will return to use startup_scene even when room was left at any other scene. When the room is entered before this time has elapsed, the last scene will be resumed. When set to 0 the current scene will never expire.</p> <p>Value Number in range 0-3600</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.7 (smartdirectorSetupIdleTimeToStartScene)</p>

button_1_scenes	<p>Permits custom association of physical button switches to scenes. This defines button 1. Select 4 comma separated values for EnOcean switch and 6 values for an EQ3 6 button switch. Specify additional 6 values for long press if desired. Use colon syntax for single buttons to toggle through a list of scenes: 1,2:3:4,2,1 Use syntax (button.instance) to bind a button to another button. Example: 11,(1.4),7:8:9,1:2 Button 1 instance 2 will do the same as instance 4 that is toggling between scenes 1 and 2. Referral to another button is also possible. Pressing instance 3 of the button will toggle between scenes 7,8 and 9. Any order of scenes may be specified. If the whole parameter or any instance section (,,) is empty then this button instance id disabled. Any change of configuration takes place immediately.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.8 (smartdirectorSetupButton1Scenes)</p>
button_2_scenes	<p>This defines button 2. For details please refer to the description for button_1_scenes.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.9 (smartdirectorSetupButton2Scenes)</p>
button_3_scenes	<p>This defines button 3. For details please refer to the description for button_1_scenes.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.10 (smartdirectorSetupButton3Scenes)</p>
button_4_scenes	<p>This defines button 4. For details please refer to the description for button_1_scenes.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.11 (smartdirectorSetupButton4Scenes)</p>
button_5_scenes	<p>This defines button 5. For details please refer to the description for button_1_scenes.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.12 (smartdirectorSetupButton5Scenes)</p>
button_6_scenes	<p>This defines button 6. For details please refer to the description for button_1_scenes.</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.13 (smartdirectorSetupButton6Scenes)</p>

button_7_scenes This defines button 7. For details please refer to the description for button_1_scenes.

Value String, max. 50 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.14
(smartdirectorSetupButton7Scenes)

button_8_scenes This defines button 8. For details please refer to the description for button_1_scenes.

Value String, max. 50 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.10.1.15
(smartdirectorSetupButton8Scenes)

Group	names
Path	App.smartdirector.names
Description	

director

The name of the office or location for which this installation is used. This name will show up on the front page.

Value String, max. 50 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.2
(smartdirectorNamesDirector)

logo_image

Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the image folder.

Value String, max. 32 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.3
(smartdirectorNamesLogoImage)

room_1

Enter a useful name which will be shown on the web interface

Value String, max. 50 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.4
(smartdirectorNamesRoom1)

icon_room_1

Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.

Value String, max. 32 characters.

OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.5
(smartdirectorNamesIconRoom1)

room_2	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.6 (smartdirectorNamesRoom2)

icon_room_2	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.7 (smartdirectorNamesIconRoom2)

room_3	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.8 (smartdirectorNamesRoom3)

icon_room_3	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.9 (smartdirectorNamesIconRoom3)

room_4	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.10 (smartdirectorNamesRoom4)

icon_room_4	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.11 (smartdirectorNamesIconRoom4)

room_5	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.12 (smartdirectorNamesRoom5)

icon_room_5	<p>Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.13 (smartdirectorNamesIconRoom5)</p>
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room_6	<p>Enter a useful name which will be shown on the web interface</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.14 (smartdirectorNamesRoom6)</p>
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icon_room_6	<p>Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.15 (smartdirectorNamesIconRoom6)</p>
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room_7	<p>Enter a useful name which will be shown on the web interface</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.16 (smartdirectorNamesRoom7)</p>
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icon_room_7	<p>Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.17 (smartdirectorNamesIconRoom7)</p>
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room_8	<p>Enter a useful name which will be shown on the web interface</p> <p>Value String, max. 50 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.18 (smartdirectorNamesRoom8)</p>
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icon_room_8	<p>Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.</p> <p>Value String, max. 32 characters.</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.19 (smartdirectorNamesIconRoom8)</p>
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room_9	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.20 (smartdirectorNamesRoom9)

icon_room_9	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.21 (smartdirectorNamesIconRoom9)

room_10	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.22 (smartdirectorNamesRoom10)

icon_room_10	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.23 (smartdirectorNamesIconRoom10)

room_11	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.24 (smartdirectorNamesRoom11)

icon_room_11	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.25 (smartdirectorNamesIconRoom11)

room_12	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.26 (smartdirectorNamesRoom12)

icon_room_12	Define the icon which will be shown on the room button. The name of a valid icon file supplied with the app is required. Custom icons may be placed in the ftp image folder. Precede the filename with a / to instruct the app to take the icon from the public folder. Value String, max. 32 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.27 (smartdirectorNamesIconRoom12)
device_1	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.28 (smartdirectorNamesDevice1)
device_2	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.29 (smartdirectorNamesDevice2)
device_3	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.30 (smartdirectorNamesDevice3)
device_4	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.31 (smartdirectorNamesDevice4)
device_5	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.32 (smartdirectorNamesDevice5)
device_6	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.33 (smartdirectorNamesDevice6)
device_7	Enter a useful name which will be shown on the web interface Value String, max. 50 characters. OID 1.3.6.1.4.1.3181.10.6.11.1020.11.1.34 (smartdirectorNamesDevice7)

device_8	Enter a useful name which will be shown on the web interface
Value	String, max. 50 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.11.1.35 (smartdirectorNamesDevice8)
Group	status
Path	App.smartdirector.status
Description	
setup_status	Indicates progress.
Value	String, max. 128 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.13.1.2 (smartdirectorStatusSetupStatus)
date_of_last_creation	Time and date when the configuration run was applied.
Value	String, max. 32 characters.
OID	1.3.6.1.4.1.3181.10.6.11.1020.13.1.3 (smartdirectorStatusDateOfLastCreation)
updating_system	Indicates true or enabled when the system is running an internal reconfiguration script.
Values	enabled, disabled
OID	1.3.6.1.4.1.3181.10.6.11.1020.13.1.4 (smartdirectorStatusUpdatingSystem)
Group	human_centric_lighting
Path	App.smartdirector.human_centric_lighting
Description	
start_hour	Defines the start hour at which the sine wave of the curve
Value	Number in range 0-23
OID	1.3.6.1.4.1.3181.10.6.11.1020.14.1.2 (smartdirectorHumanCentricLightingStartHour)
end_hour	Defines the end hour at which the sine wave returns to 0. In the time outside of limit hours, the warmest_color_temperature is applied.
Value	Number in range 1-23
OID	1.3.6.1.4.1.3181.10.6.11.1020.14.1.3 (smartdirectorHumanCentricLightingEndHour)

warmest_color_temperature	<p>The light turns warmer (yellowish) in the morning and evening. This parameter defines the warmest limit in Kelvin. The value must be lower than the coldest limit. Note the precise value depends on the physical LED panel in use.</p> <p>Value Number in range 3000-6000</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.14.1.4 (smartdirectorHumanCentricLightingWarmestColorTemperature)</p>
coldest_color_temperature	<p>The light turns cooler (bluish) around the middle of the day. This defines the coldest limit in Kelvin. The value must be higher than the warmest limit.</p> <p>Value Number in range 3000-6000</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.14.1.5 (smartdirectorHumanCentricLightingColdestColorTemperature)</p>
warmest_autodim_reference	<p>The light can be dimmed in the morning and evening. This parameter defines the lower autodim reference value limit. The value must be lower than the coldest limit. Note the optimum value depend on the local installation.</p> <p>Value Number in range 0-2500</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.14.1.6 (smartdirectorHumanCentricLightingWarmestAutodimReference)</p>
coldest_autodim_reference	<p>The light brighter around the middle of the day. This defines the upper autodim reference value limit. The value must be higher than the warmest limit.</p> <p>Value Number in range 0-2500</p> <p>OID 1.3.6.1.4.1.3181.10.6.11.1020.14.1.7 (smartdirectorHumanCentricLightingColdestAutodimReference)</p>

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