

OCTOBER 2020

ABB RoomTouch® KNX – Audio and Scene Control

Online Learning Session – Competence Center Europe – Smart Buildings

Thorsten Reibel, Jürgen Schilder, Stefan Grosse, Martin Wichary & Olaf Stutzenberger

Webinar – Competence Center Europe - Smart Buildings

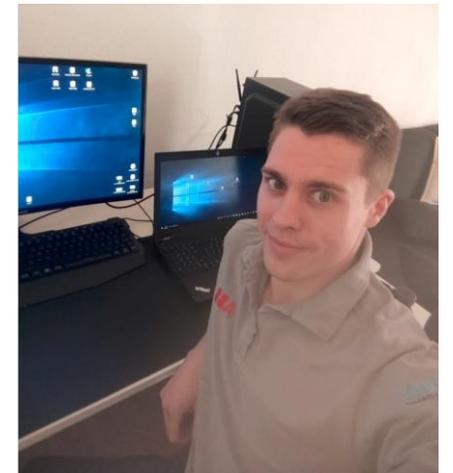


ABB STOTZ-KONTAKT GmbH
Heidelberg / Germany

From home office to home office



ABB Busch-Jaeger
Luedenscheid /
Germany



Agenda

ABB RoomTouch®

Introduction

Control element “Audio Control”

Control element “Scene”



ABB RoomTouch® KNX – Audio and Scene Control

Introduction

ABB RoomTouch® KNX – Audio and Scene Control

Introduction

ABB RoomTouch® KNX

Easy operation, easy commissioning, easy installation according to customer desire, regardless of private home, meeting room or hotel

- Small touch displays to control rooms are upcoming
- A touch panel is more flexible than a static push-button
- Lots of functions on a small space
- High quality of material:
 - Glass
 - Metal
- Known smartphone control concept by wiping up/down left/right



ABB RoomTouch® KNX – Audio and Scene Control

Introduction

ABB RoomTouch® KNX

- ABB RoomTouch® will expand our range by an additional high-quality KNX Touch panel
- One device and two colors (black and white)
- One Panel that can be mounted portrait and landscape
- New operating concept for quick operation of your lights, blinds, temperature, scenes and audio
- Flat, good looking device with enough functions for a room and for the right price
- Integrated temperature sensor
- Proximity sensor will switch on the device when I am near to it
- Quick switch off when the room is dark (bedroom application)
- Commission via ETS and DCA

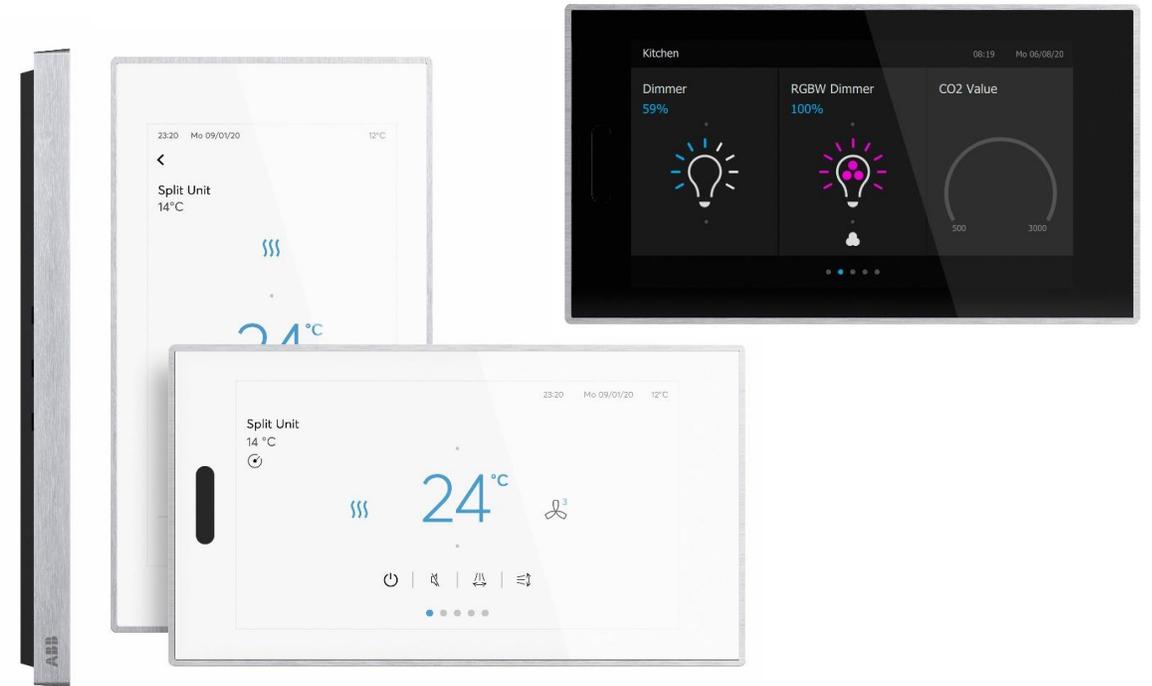
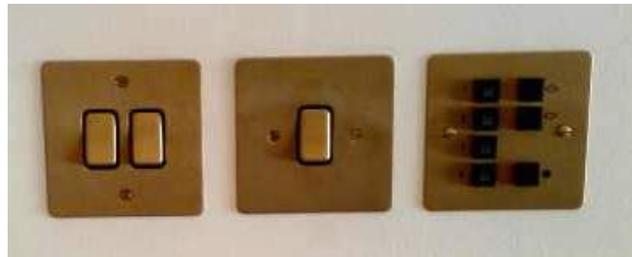


ABB RoomTouch® KNX – Audio and Scene Control

Several units in one room, e.g. lighting, dimming, shutters, air conditioning, audio/video, ...



Source: Internet

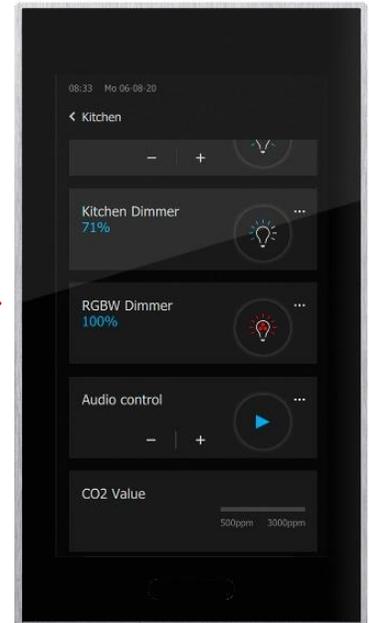
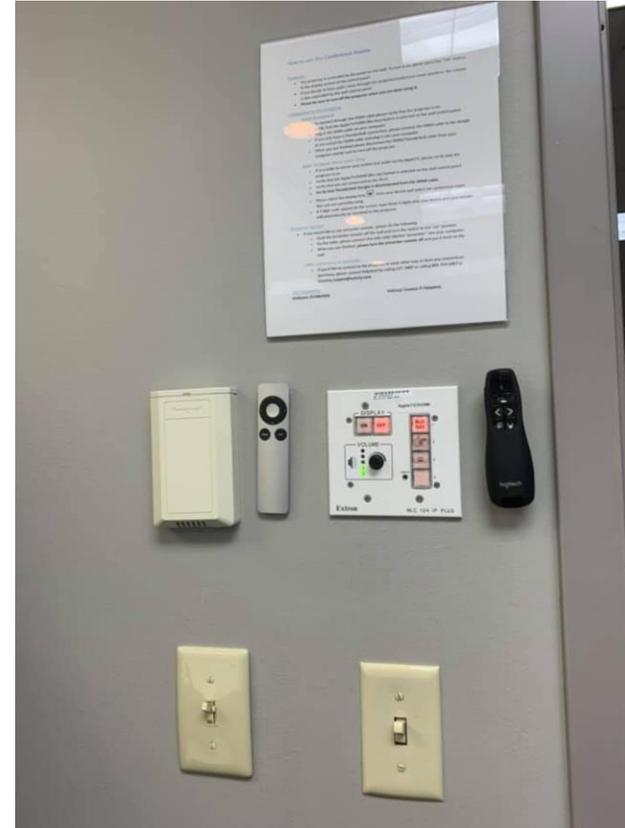


ABB RoomTouch® KNX – Audio and Scene Control

Introduction

ABB RoomTouch® KNX

Maximum of 30 control elements

- Switch
- Dimmer (4-bit and 8-bit)
- Shutter
- RTC
- Display element
- Split unit control
- Fan speed control
- RGB(W) / White colour control (WW/CW)
- **Audio control**
- **Scene**
- ...

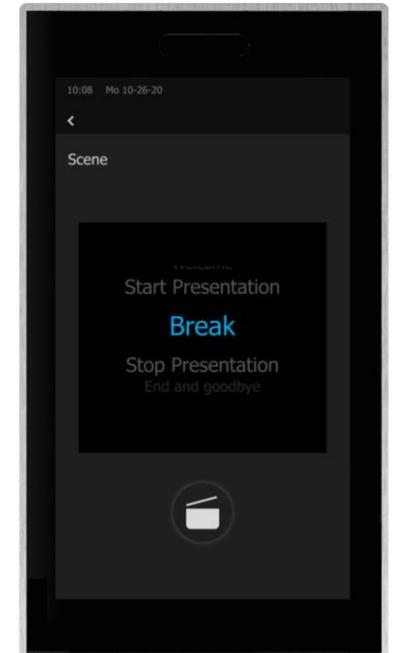
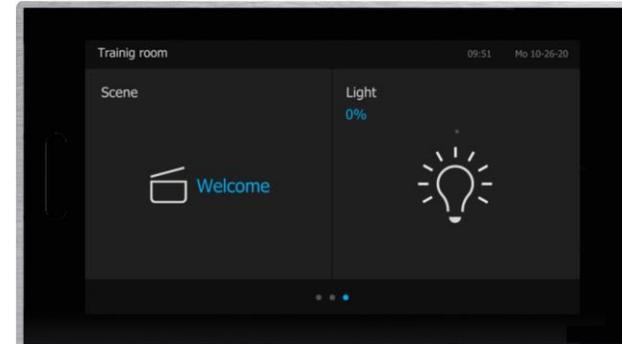
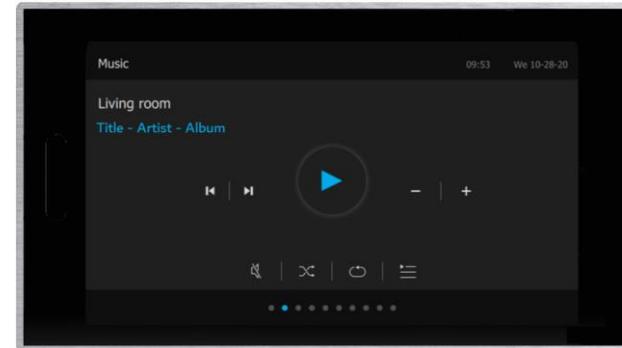


ABB RoomTouch® KNX – Audio and Scene Control

Introduction

ABB RoomTouch® KNX

Webinar about installation, operating concept, commissioning with DCA, ... (Sept. 2020)

- Presentation → [Link](#)
- Video recording → [Link](#)

Homepage

- www.abb.com/knx → Visualisation, Display and Signalling
 - Product Manual
 - Installation and Operating Instructions
 - ETS Application (*.knxprod)
 - ETS App ABB Touch DCA (*.etsapp)
 - ...

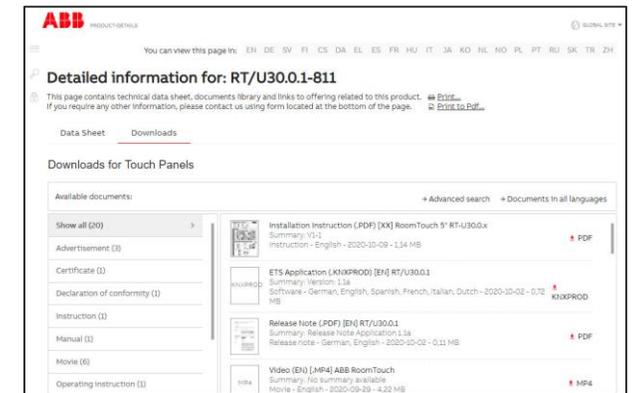


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Overview Audio Control with Busch-ControlTouch® and SONOS Speaker

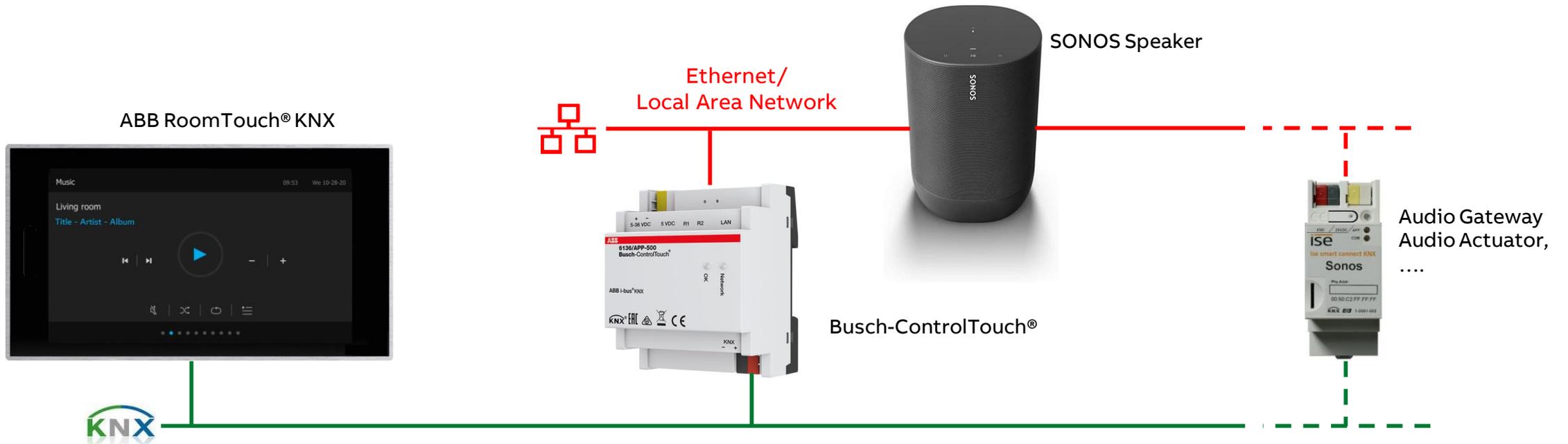


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Busch-ControlTouch KNX (6136/APP-500)

- KNX visualisation
- For iOS and Android smart phones/tablets, Apple smart watch and desktop PC/laptop
- Web-based commissioning over “MyBuildings portal”
- Simple app based remote control solution for KNX
- Integration of IP cameras, SONOS (UPnP) and Philips hue
- Creation of own scripts (e.g. if – then – else)
- Alarm or malfunction messages over e-mail and push notifications
- Weekly timer and scenes adjustable by the end customer
- ... and more



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Busch-ControlTouch KNX (6136/APP-500)

Webinars and Online Learning Sessions (Commissioning-Wizard, Sonos integration, scripts, ...)

– Training & Qualification Database: Webinar slides and videos

- <https://go.abb/ba-training>
- www.abb.com/knx (→ Services & Tools → Training and Qualification → Training Database)
- YouTube Channel “ABB Home and Building Automation”
<https://www.youtube.com/user/ABBibusKNX>

Homepage

– www.abb.com/knx → Visualisation, Display and Signalling → ...

- Product Manual

• ...

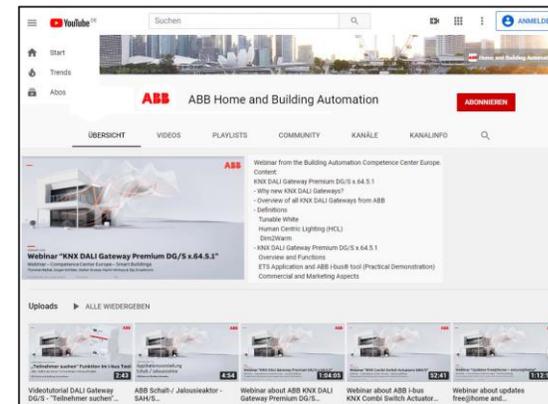
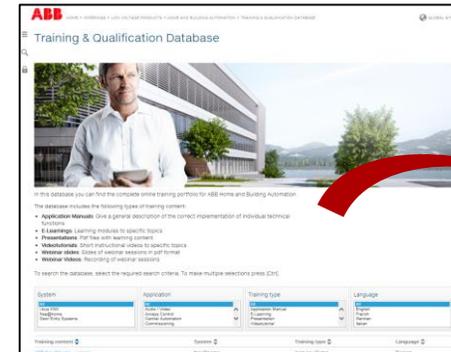


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view

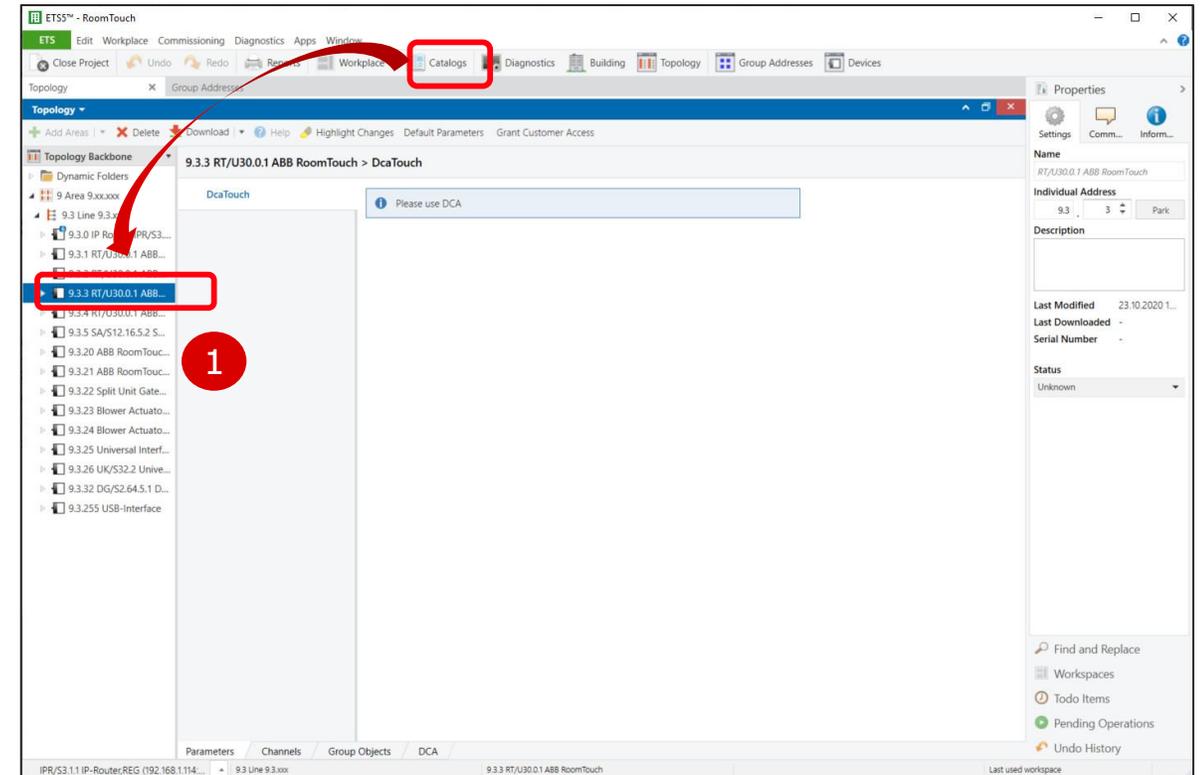


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning

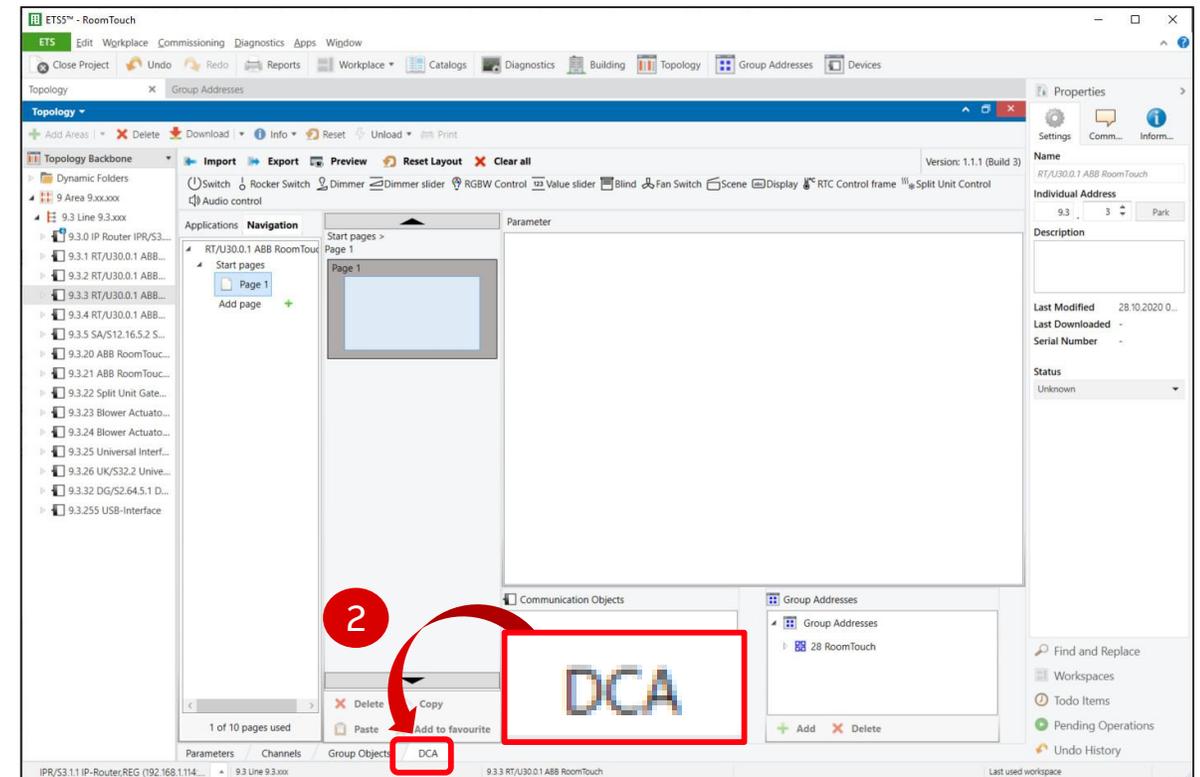


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1”

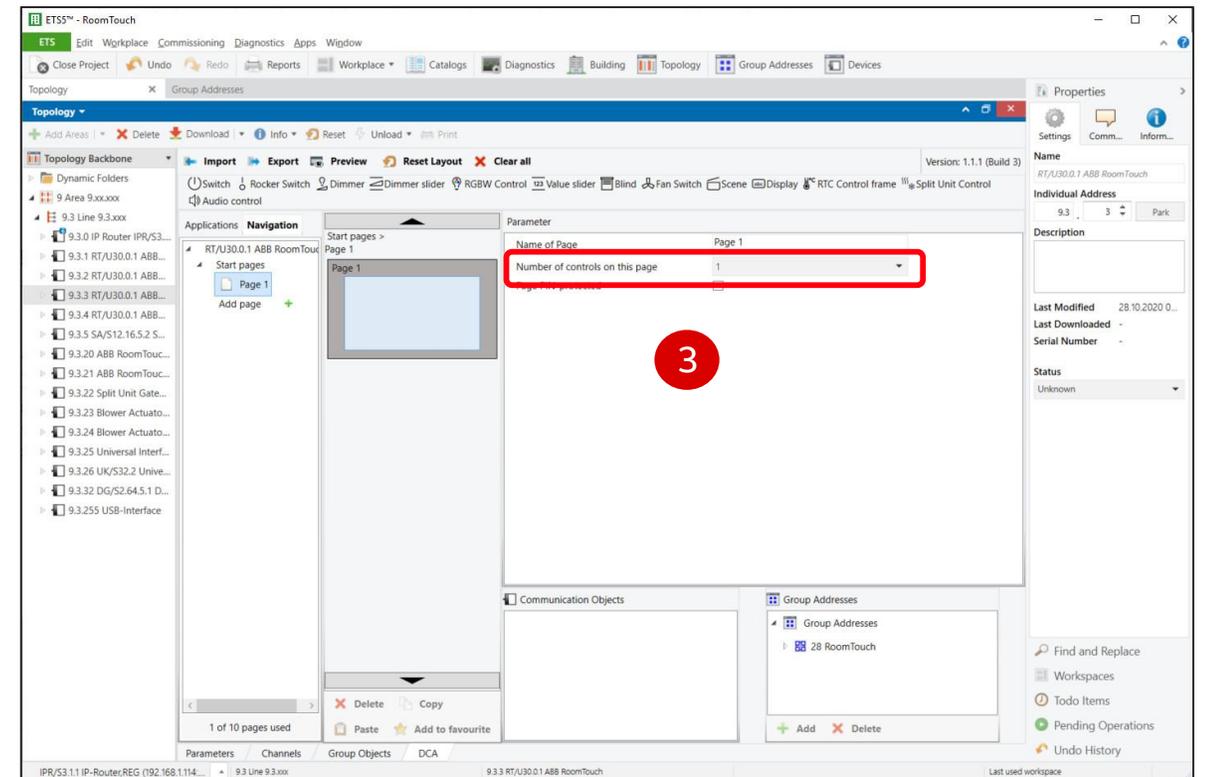


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1”
 - Drag the control element “Audio Control” from the task bar to the field of the page

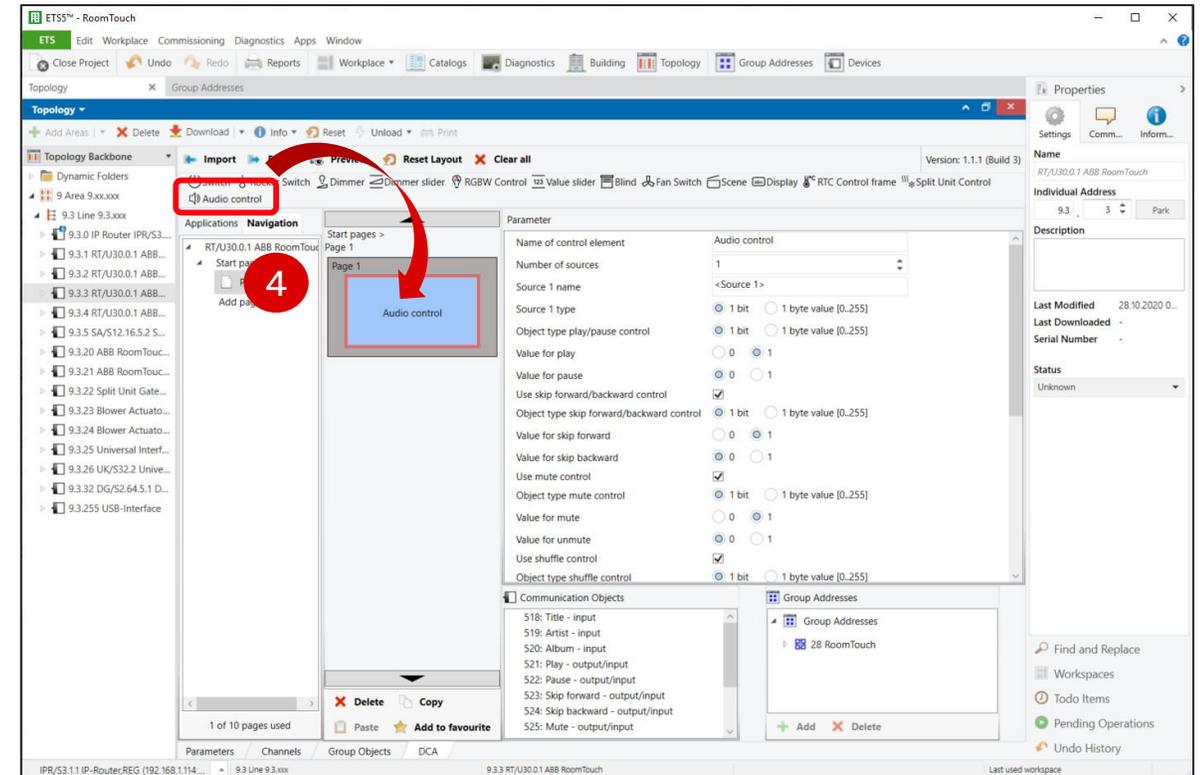


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1”
 - Drag the control element “Audio Control” from the task bar to the field of the page
 - Set the parameters

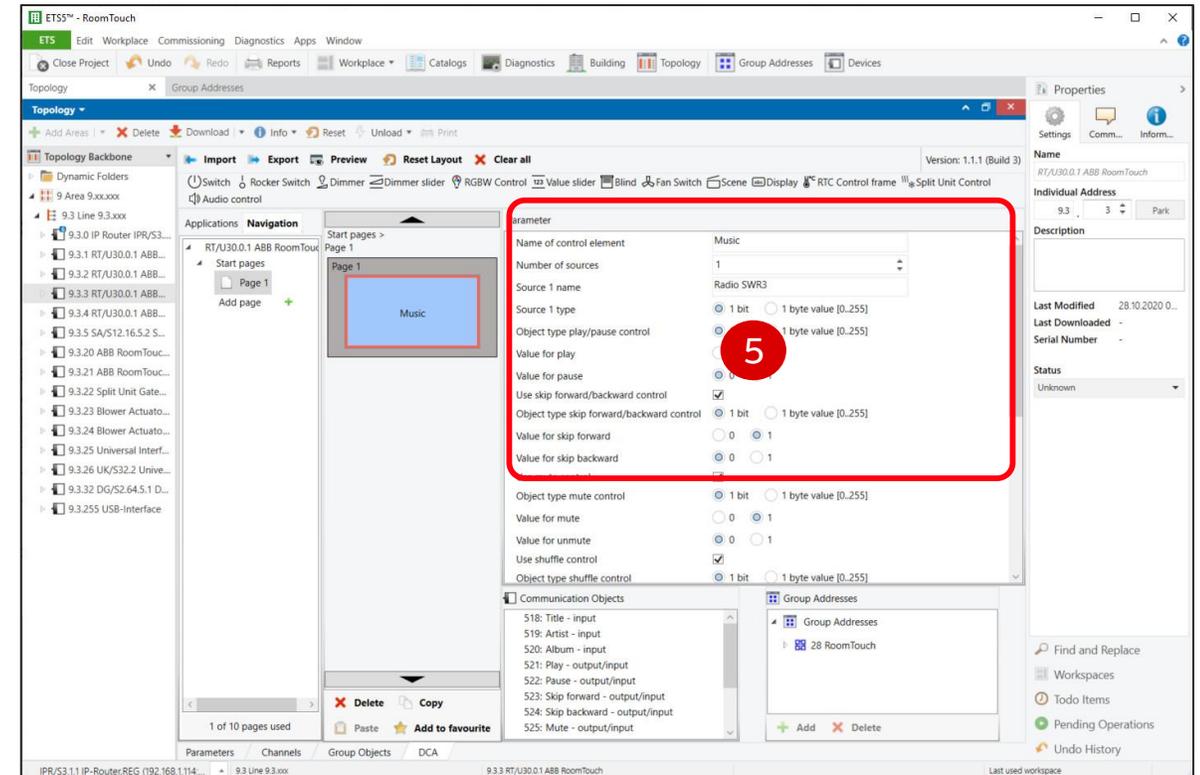


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1”
 - Drag the control element “Audio Control” from the task bar to the field of the page
 - Set the parameters
 - Link group addresses
 - Download individual address and application
 - ...

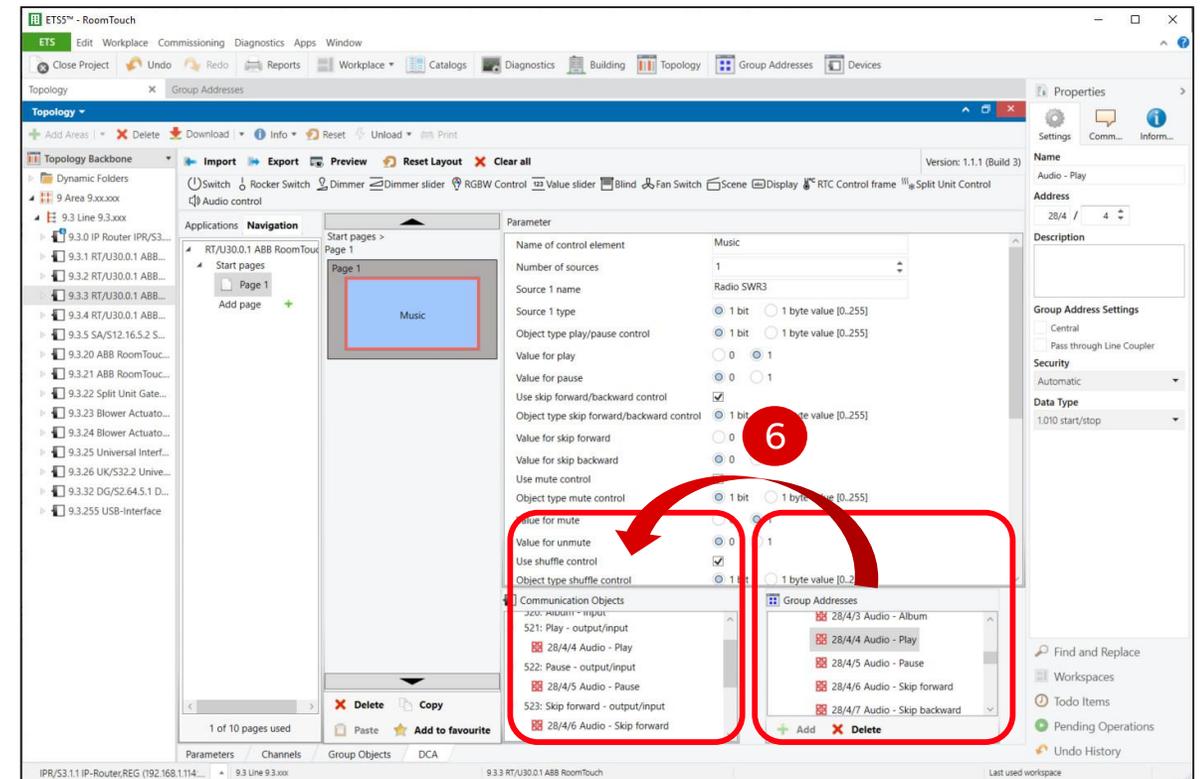


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Parameters 1/3

- Name of the control element (max. 36 characters)
- Number of sources [1-8]
- Source x name (max. 40 characters)
- Source x type: 1 bit or 1-byte value [0 - 255]
 - Source x value: 0 – 255 (number of playlist or radio station)
- Object type play/pause control: 1 bit or 1-byte value [0 - 255]
 - Value for play
 - Value for pause
- Use skip forward/backward control
 - Object type skip forward/backward control: 1 bit or 1-byte value
 - Value for skip forward
 - Value for skip backward

Parameter	
Name of control element	Audio control
Number of sources	1
Source 1 name	<Source 1>
Source 1 type	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte value [0..255]
Source 1 value	0
Object type play/pause control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for play	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for pause	<input checked="" type="radio"/> 0 <input type="radio"/> 1
Use skip forward/backward control	<input checked="" type="checkbox"/>
Object type skip forward/backward control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for skip forward	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for skip backward	<input checked="" type="radio"/> 0 <input type="radio"/> 1

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Parameters 2/3

- Use mute control
 - Object type mute control: 1 bit or 1-byte value
 - Value for mute
 - Value for unmute
- Use shuffle control
 - Object type shuffle control: 1 bit or 1-byte value
 - Value for shuffle
 - Value for no shuffle
- Use repeat control
 - Object type repeat control: 1 bit or 1-byte value
 - Value for repeat
 - Value for no repeat

Parameter	
Use mute control	<input checked="" type="checkbox"/>
Object type mute control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for mute	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for unmute	<input checked="" type="radio"/> 0 <input type="radio"/> 1
Use shuffle control	<input checked="" type="checkbox"/>
Object type shuffle control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for shuffle	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for no shuffle	<input checked="" type="radio"/> 0 <input type="radio"/> 1
Use repeat control	<input checked="" type="checkbox"/>
Object type repeat control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for repeat	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for no repeat	<input checked="" type="radio"/> 0 <input type="radio"/> 1

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Parameters 3/3

- Use volume control
 - Object type volume control: 2 x 1 bit, 1 x 4 bit or 1-byte value
 - Volume change [%]
- Telegram is repeated every [sec.]
- Use on/off control
 - Object type on/off control: 1 bit or 1-byte value
 - Value for on
 - Value for off
- Enable communication object "Disable" 1-bit

Parameter	
Use volume control	<input checked="" type="checkbox"/>
Object type volume control	1 byte value [0..100%] ▼
Volume change [%]	5 ▲▼
Telegram is repeated every [s]	0.5s ▼
Use on/off control	<input checked="" type="checkbox"/>
Object type on/off control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for on	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for off	<input checked="" type="radio"/> 0 <input type="radio"/> 1
Enable communication object "Disable" 1 bit	<input type="checkbox"/>

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch®

- ...
- Source 1: 1-byte value “1” (number radio station “Radio Bayern”)
- Source 2: 1-byte value “8” (number radio station “Radio SWR3”)
- Source 7: 1-byte value “10” (number playlist “PL Relaxing music”)
- Play/pause control: 1 bit, value for play “1” and pause “0”
- Forward/backward control: 1 bit, value forw. “1” and backw. “1”
- Mute control: 1 bit, value for mute “1” and unmute “0”
- Shuffle control: 1 bit, value for shuffle “1” and no shuffle “0”
- Repeat control: 1 bit, value for repeat “1” and no repeat “0”
- Volume control: 1-byte value [0...100%]
- Volume change: 5%
- Use on/off control: No
- ...

Source 2 name	Radio SWR3
Source 2 type	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte value [0..255]
Source 2 value	8

Source 8 name	PL Relaxing music
Source 8 type	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte value [0..255]
Source 8 value	10

Object type play/pause control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for play	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for pause	<input checked="" type="radio"/> 0 <input type="radio"/> 1
Use skip forward/backward control	<input checked="" type="checkbox"/>
Object type skip forward/backward control	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte value [0..255]
Value for skip forward	<input type="radio"/> 0 <input checked="" type="radio"/> 1
Value for skip backward	<input type="radio"/> 0 <input checked="" type="radio"/> 1

Use volume control	<input checked="" type="checkbox"/>
Object type volume control	1 byte value [0..100%]
Volume change [%]	5
Telegram is repeated every [s]	0.5s
Use on/off control	<input type="checkbox"/>

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch®

- ...
- Source 1: 1-byte value “1” (number radio station “Radio Bayern”)
- Source 2: 1-byte value “8” (number radio station “Radio SWR3”)
- Source 7: 1-byte value “10” (number playlist “PL Relaxing music”)
- Play/pause control: 1 bit, value for play “1” and pause “0”
- Forward/backward control: 1 bit, value forw. “1” and backw. “1”
- Mute control: 1 bit, value for mute “1” and unmute “0”
- Shuffle control: 1 bit, value for shuffle “1” and no shuffle “0”
- Repeat control: 1 bit, value for repeat “1” and no repeat “0”
- Volume control: 1-byte value [0...100%]
- Volume change: 5%
- Use on/off control: No
- ...

SONOS App

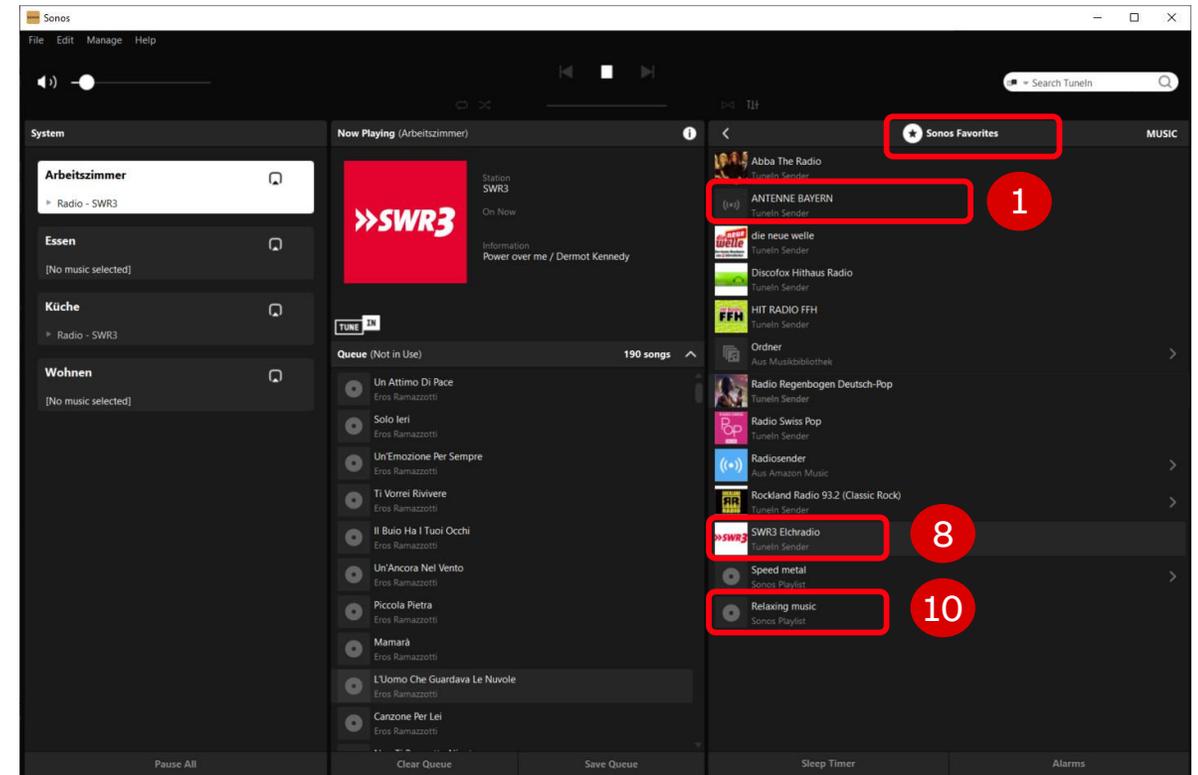


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch®

- ...
- Source 1: 1-byte value “1” (number radio station “Radio Bayern”)
- Source 2: 1-byte value “8” (number radio station “Radio SWR3”)
- Source 7: 1-byte value “10” (number playlist “PL Relaxing music”)
- Play/pause control: 1 bit, value for play “1” and pause “0”
- Forward/backward control: 1 bit, value forw. “1” and backw. “1”
- Mute control: 1 bit, value for mute “1” and unmute “0”
- Shuffle control: 1 bit, value for shuffle “1” and no shuffle “0”
- Repeat control: 1 bit, value for repeat “1” and no repeat “0”
- Volume control: 1-byte value [0...100%]
- Volume change: 5%
- Use on/off control: No
- ...

Busch-ControlTouch® App

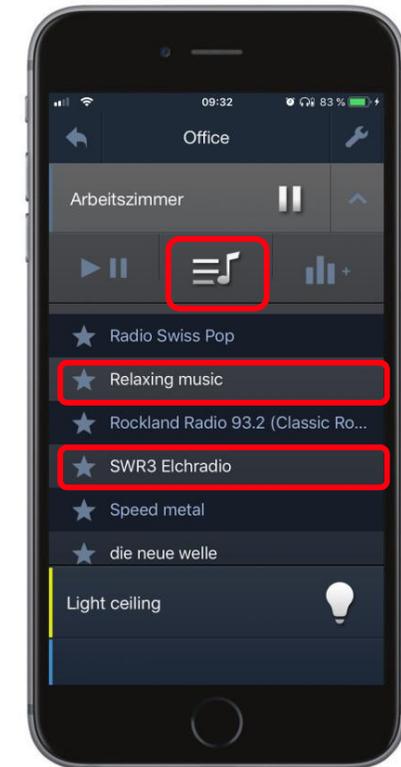
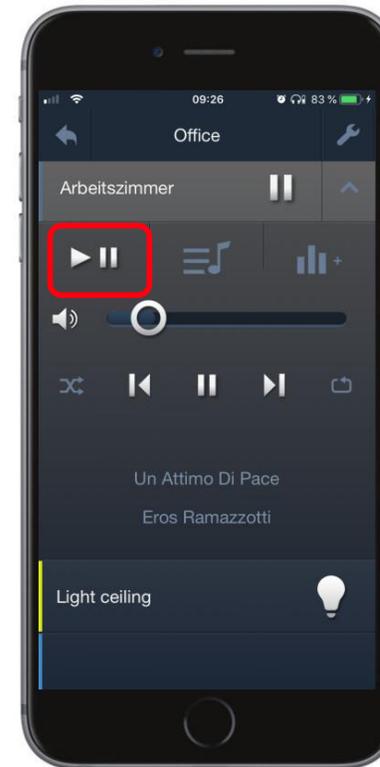


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch®

- ...
- Source 1: 1-byte value “1” (number radio station “Radio Bayern”)
- Source 2: 1-byte value “8” (number radio station “Radio SWR3”)
- Source 7: 1-byte value “10” (number playlist “PL Relaxing music”)
- Play/pause control: 1 bit, value for play “1” and pause “0”
- Forward/backward control: 1 bit, value forw. “1” and backw. “1”
- Mute control: 1 bit, value for mute “1” and unmute “0”
- Shuffle control: 1 bit, value for shuffle “1” and no shuffle “0”
- Repeat control: 1 bit, value for repeat “1” and no repeat “0”
- Volume control: 1-byte value [0...100%]
- Volume change: 5%
- Use on/off control: No
- ...

MyBuildings portal

The screenshot shows the MyBuildings portal interface for configuring a room named 'Arbeitszimmer'. The interface includes a navigation menu on the left with options like 'Projects', 'Devices', 'Images', and 'Wizard'. The main content area displays a table of configuration parameters for the room, with columns for 'Sending GA' and 'Status GA'. The 'Arbeitszimmer' row is highlighted with a red box. The 'Sonos KNX linking' option in the left menu is also highlighted with a blue box.

	Sending GA	Status GA	
Group volume			DPT 5.001
Device volume	28/4/31	28/4/11	DPT 5.001
Group volume			DPT 3.007
Device volume			DPT 3.007
Device mute	28/4/28	28/4/8	DPT 1.001
Play	28/4/24	28/4/4	DPT 1.001
Next		28/4/6	DPT 1.001
Previous		28/4/7	DPT 1.001
Shuffle	28/4/29	28/4/9	DPT 1.001
Repeat	28/4/30	28/4/10	DPT 1.001
Meta information	28/4/1		DPT 16.000
Info to send	[s]		See below
Select favorite		28/4/13	DPT 5.010
Select next favorite			DPT 1.001
Select playlist		28/4/20	DPT 5.010
Join to next playing group			DPT 1.001
Play audio clip (standard)			DPT 5.010
Play audio clip (own)			DPT 5.010

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

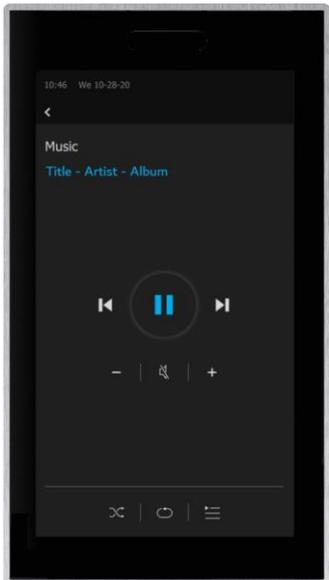


ABB RoomTouch

Audio Control

Title (14 byte input)
Play (1 bit output/input)
Pause (1 bit output/input)
Skip forward (1 bit output/input)
Skip backward (1 bit output/input)
Mute (1 bit output/input)
Shuffle (1 bit output/input)
Volume (1 byte output/input)
Source 1 (1 byte output/input)
Source 2 (1 byte output/input)
Source X (1 byte output/input)
...

Meta information – track name
Play – Status GA
Play – Sending GA
Next – Status GA
Previous – Status GA
Device mute – Status GA
Device mute – Sending GA
Shuffle – Status GA
Shuffle – Sending GA
Device volume – Status GA
Device volume – Sending GA
Select favorite/playlist
...

Sonos KNX linking

Busch-ControlTouch®



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

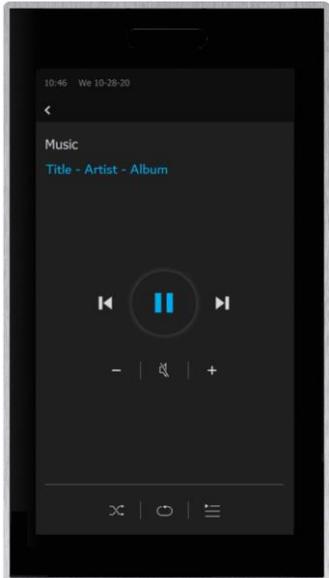


ABB RoomTouch	Audio Control	Title (14 byte input)	←	Meta information – track name	Sonos KNX linking	Busch-ControlTouch®
		Play (1 bit output/input)		Play – Status GA		
		Pause (1 bit output/input)		Play – Sending GA		
		Skip forward (1 bit output/input)		Next – Status GA		
		Skip backward (1 bit output/input)		Previous – Status GA		
		Mute (1 bit output/input)		Device mute – Status GA		
		Shuffle (1 bit output/input)		Device mute – Sending GA		
		Volume (1 byte output/input)		Shuffle – Status GA		
		Source 1 (1 byte output/input)		Shuffle – Sending GA		
		Source 2 (1 byte output/input)		Device volume – Status GA		
		Source X (1 byte output/input)		Device volume – Sending GA		
		...		Select favorite/playlist		
				...		



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

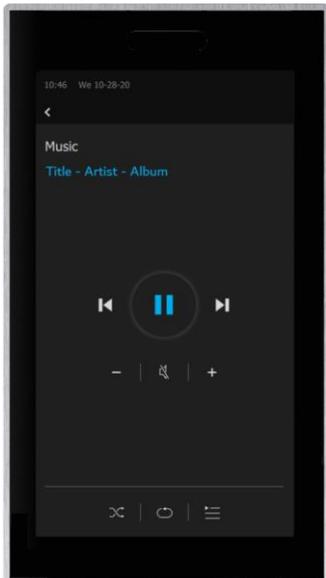


ABB RoomTouch	Audio Control	Title (14 byte input)	←	Meta information – track name	Sonos KNX linking	Busch-ControlTouch®
		Play (1 bit output/input)	→	Play – Status GA		
		Pause (1 bit output/input)	→	Play – Sending GA		
		Skip forward (1 bit output/input)		Next – Status GA		
		Skip backward (1 bit output/input)		Previous – Status GA		
		Mute (1 bit output/input)		Device mute – Status GA		
		Shuffle (1 bit output/input)		Device mute – Sending GA		
		Volume (1 byte output/input)		Shuffle – Status GA		
		Source 1 (1 byte output/input)		Shuffle – Sending GA		
		Source 2 (1 byte output/input)		Device volume – Status GA		
		Source X (1 byte output/input)		Device volume – Sending GA		
		...		Select favorite/playlist		
				...		



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

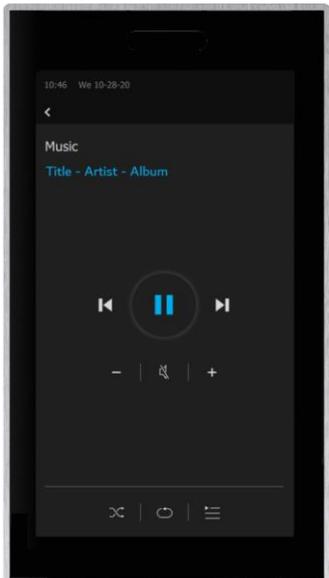


ABB RoomTouch	Audio Control	Title (14 byte input)	←	Meta information – track name	Sonos KNX linking	Busch-ControlTouch®
		Play (1 bit output/input)	→	Play – Status GA		
		Pause (1 bit output/input)	→	Play – Sending GA		
		Skip forward (1 bit output/input)		Next – Status GA		
		Skip backward (1 bit output/input)		Previous – Status GA		
		Mute (1 bit output/input)		Device mute – Status GA		
		Shuffle (1 bit output/input)		Device mute – Sending GA		
		Volume (1 byte output/input)		Shuffle – Status GA		
		Source 1 (1 byte output/input)		Shuffle – Sending GA		
		Source 2 (1 byte output/input)		Device volume – Status GA		
		Source X (1 byte output/input)		Device volume – Sending GA		
		...		Select favorite/playlist		
				...		



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

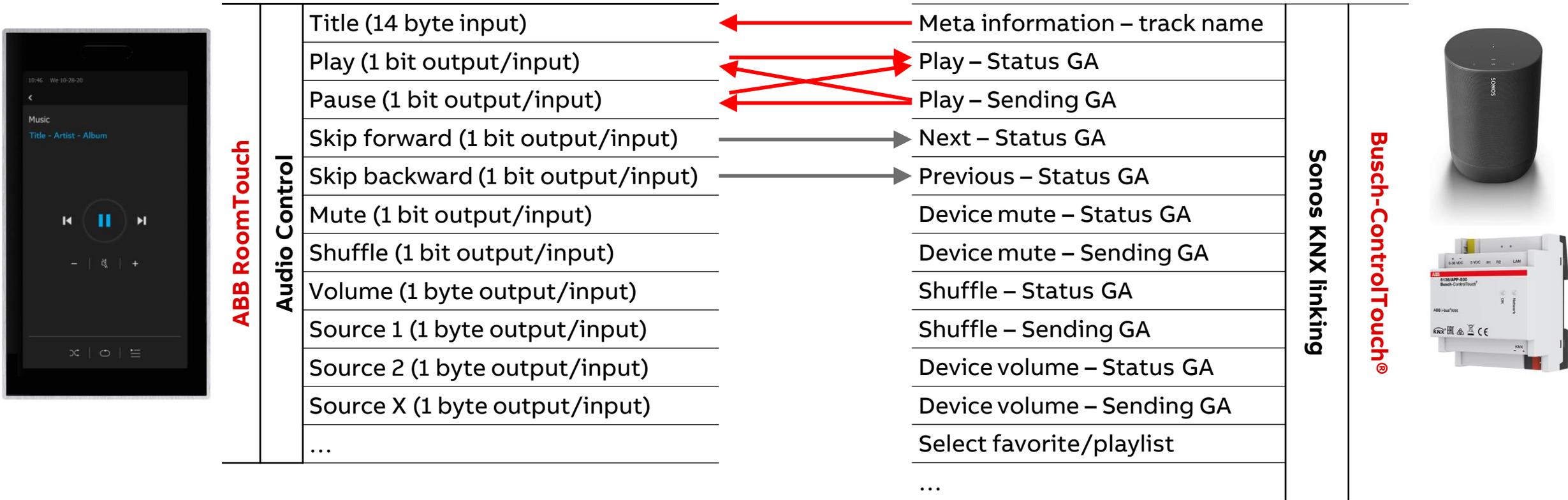


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

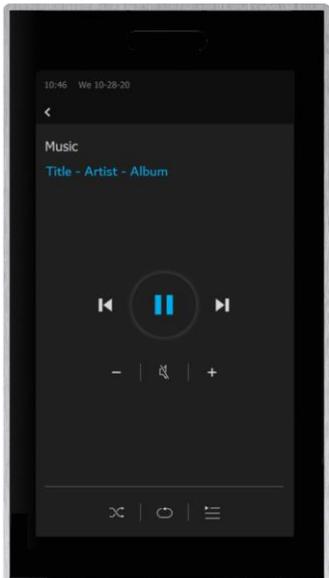


ABB RoomTouch	Audio Control	Title (14 byte input)	←	Meta information – track name	Sonos KNX linking	Busch-ControlTouch®
		Play (1 bit output/input)	←	Play – Status GA		
		Pause (1 bit output/input)	←	Play – Sending GA		
		Skip forward (1 bit output/input)	→	Next – Status GA		
		Skip backward (1 bit output/input)	→	Previous – Status GA		
		Mute (1 bit output/input)	→	Device mute – Status GA		
		Shuffle (1 bit output/input)	→	Device mute – Sending GA		
		Volume (1 byte output/input)		Shuffle – Status GA		
		Source 1 (1 byte output/input)		Shuffle – Sending GA		
		Source 2 (1 byte output/input)		Device volume – Status GA		
		Source X (1 byte output/input)		Device volume – Sending GA		
		...		Select favorite/playlist		
				...		



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

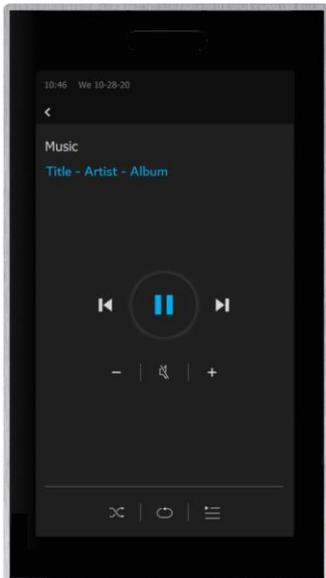


ABB RoomTouch	Audio Control	Title (14 byte input)	←	Meta information – track name	Sonos KNX linking	Busch-ControlTouch®
		Play (1 bit output/input)	←	Play – Status GA		
		Pause (1 bit output/input)	←	Play – Sending GA		
		Skip forward (1 bit output/input)	→	Next – Status GA		
		Skip backward (1 bit output/input)	→	Previous – Status GA		
		Mute (1 bit output/input)	←	Device mute – Status GA		
		Shuffle (1 bit output/input)	←	Device mute – Sending GA		
		Volume (1 byte output/input)	→	Shuffle – Status GA		
		Source 1 (1 byte output/input)	→	Shuffle – Sending GA		
		Source 2 (1 byte output/input)		Device volume – Status GA		
		Source X (1 byte output/input)		Device volume – Sending GA		
		...		Select favorite/playlist		
				...		



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

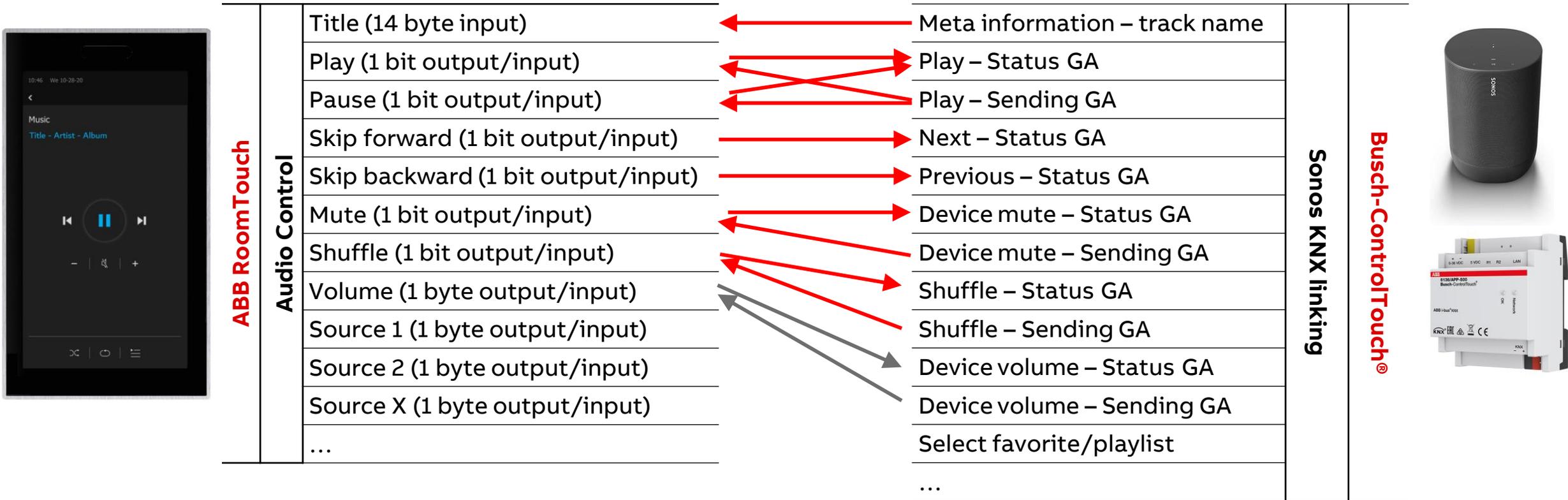


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

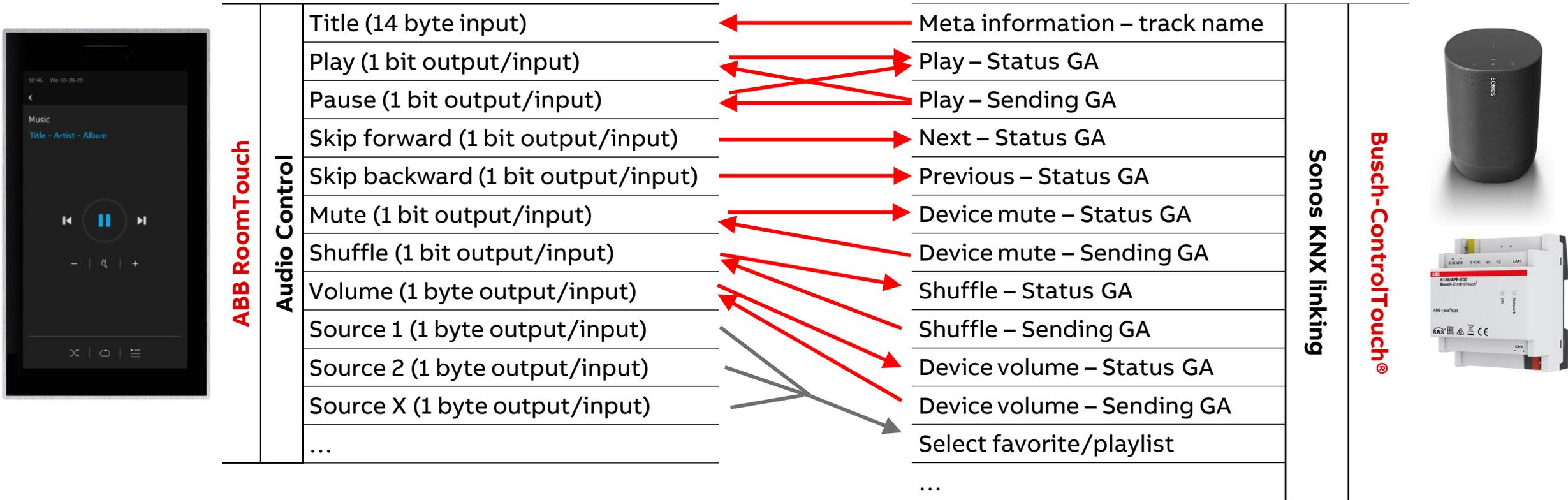


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses

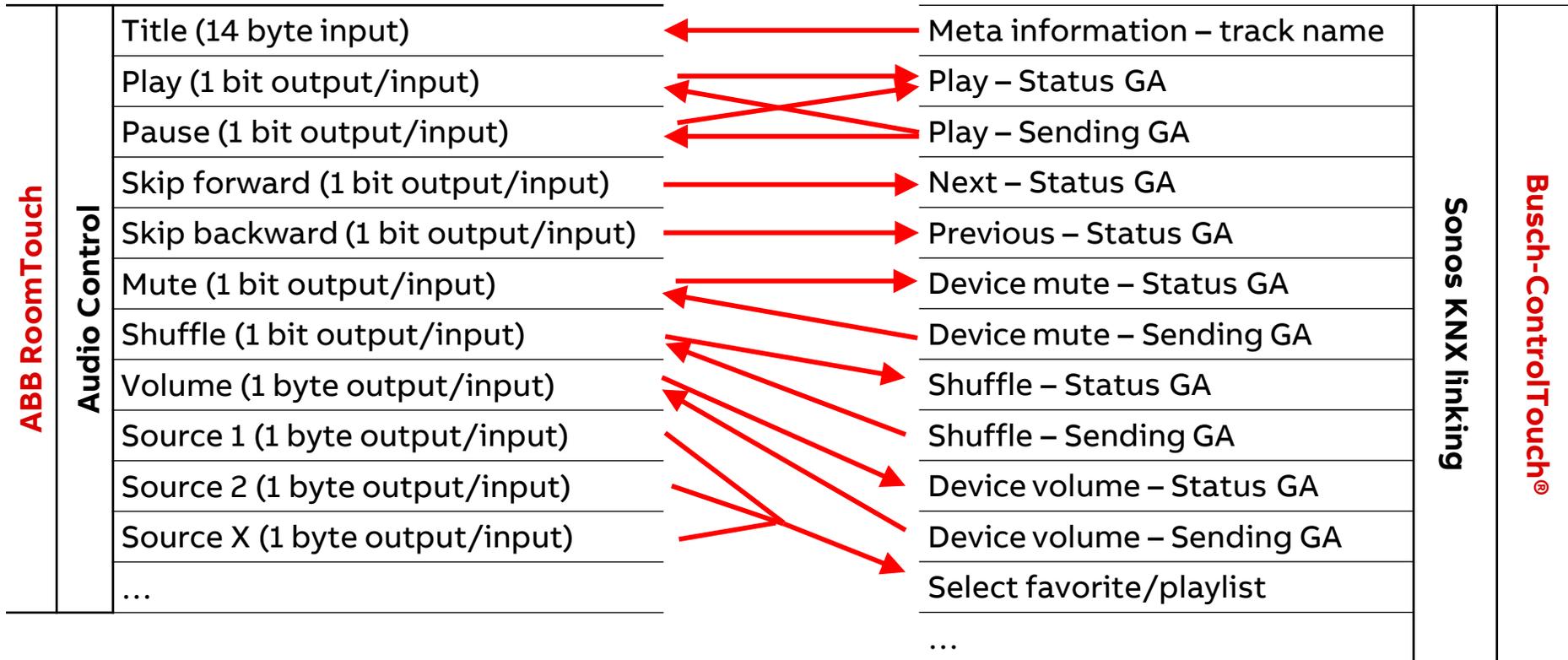
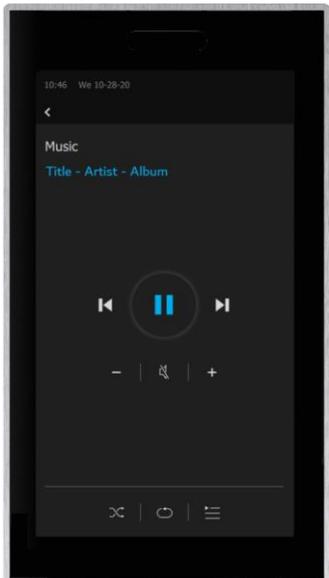
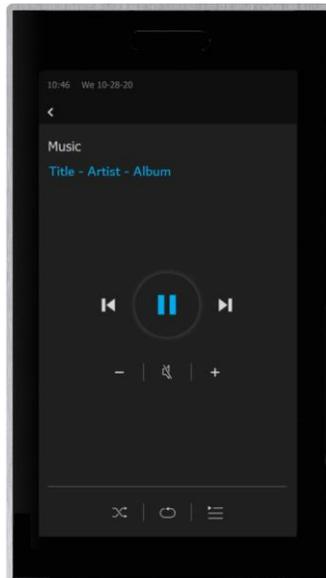


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Example: Audio Control with Busch-ControlTouch® – Assignment of Group Addresses



#	Time	Sei	Fla	Pri	Source	Source Name	Destinat	Destination Name	Type	DPT	Info
22	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/13	Audio - Source	Group...	5.010	counter pulse... \$0A 10
24	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/24	Audio - Status Play	Group...		\$01 Start
25	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/1	Audio - Title	Group...	16.000	Character Str... 55 6E 20 41 74 74 69 6D 6F 20 44 69 20 50 Un Attimo Di P
51	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/11	Audio - Volume	Group...	5.001	percentage (0... \$45 27 %
53	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/31	Audio - Status Volume	Group...	5.001	percentage (0... \$45 27 %
57	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/11	Audio - Volume	Group...	5.001	percentage (0... \$52 32 %
62	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/31	Audio - Status Volume	Group...	5.001	percentage (0... \$52 32 %
78	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/6	Audio - Skip forward	Group...		\$01 Increase
80	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/1	Audio - Title	Group...	16.000	Character Str... 53 6F 6C 6F 20 49 65 72 69 20 0A 20 00 00 Solo Ieri
119	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/9	Audio - Shuffle	Group...		\$01 Enable
127	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/29	Audio - Status Shuffle	Group...		\$01 Enable
128	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/1	Audio - Title	Group...	16.000	Character Str... 53 6F 6C 6F 20 49 65 72 69 20 0A 20 00 00 Solo Ieri
157	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/9	Audio - Shuffle	Group...	\$00	Disable
158	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/29	Audio - Status Shuffle	Group...	\$00	Disable
159	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/1	Audio - Title	Group...	16.000	Character Str... 53 6F 6C 6F 20 49 65 72 69 20 0A 20 00 00 Solo Ieri
172	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/8	Audio - Mute	Group...	\$01	Enable
173	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/28	Audio - Status Mute	Group...	\$01	Enable
214	28.10.2020 1...fr...	L...			9.3.21	ABB RoomTouch RT/U...	28/4/8	Audio - Mute	Group...	\$00	Disable
215	28.10.2020 1...fr...	L...			1.1.232	Busch-ControlTouch®	28/4/28	Audio - Status Mute	Group...	\$00	Disable



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Audio Control”

Operation and view

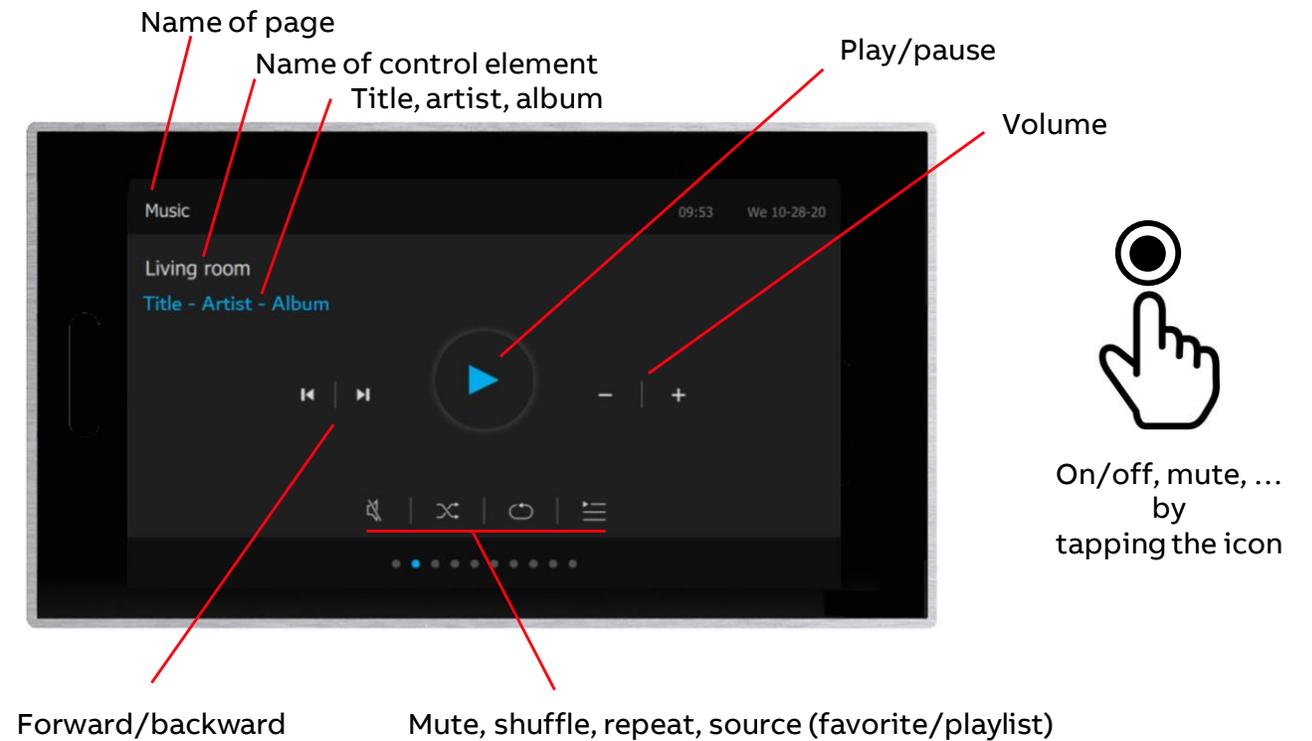
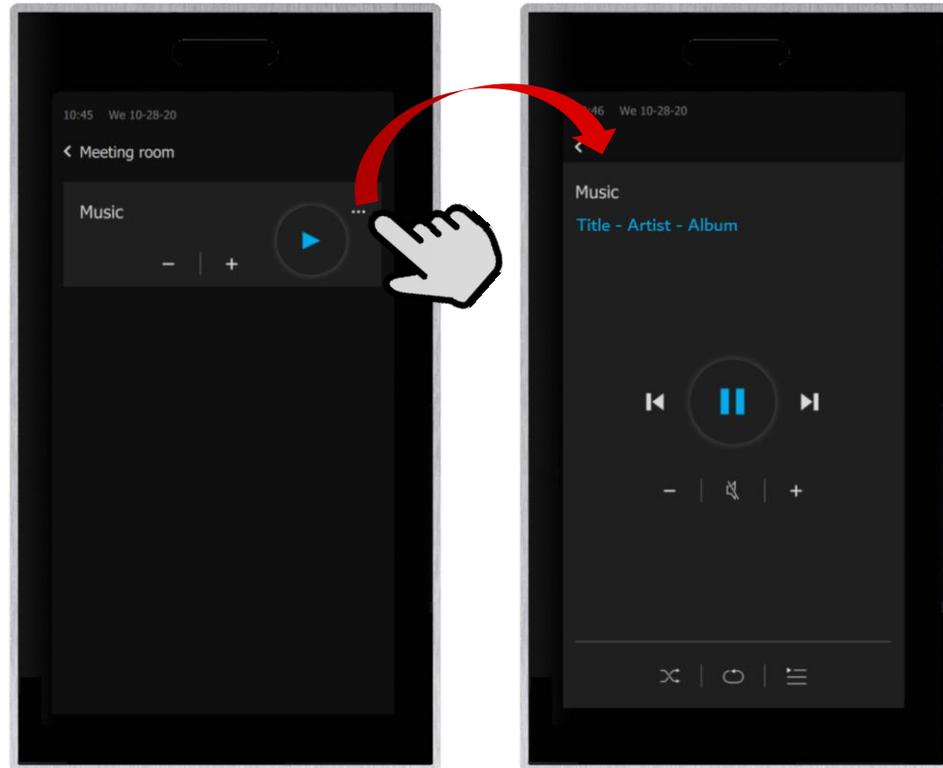
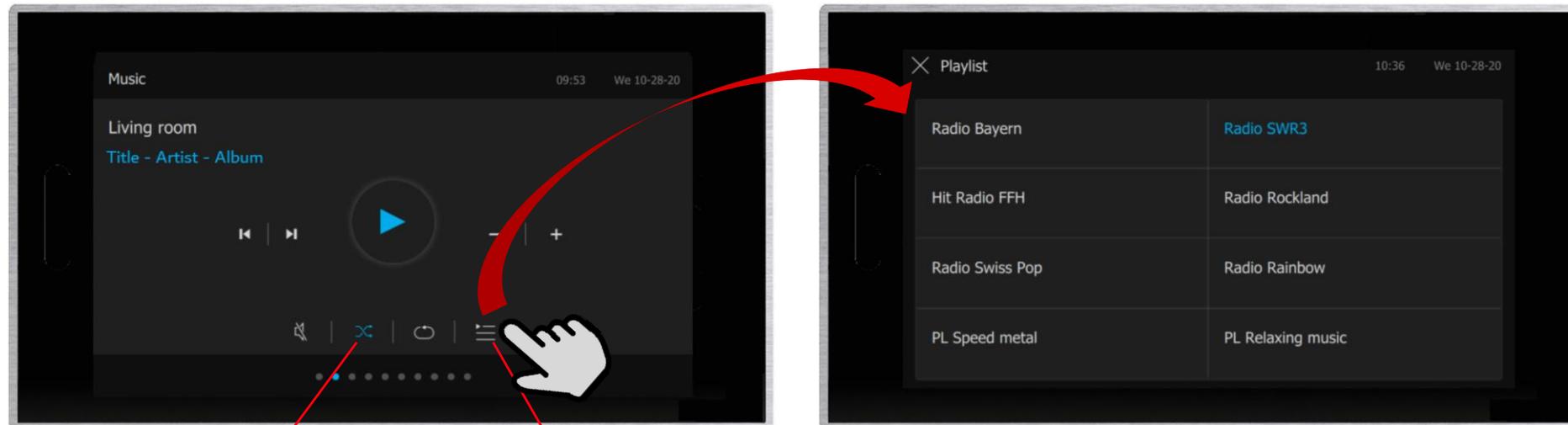


ABB RoomTouch® KNX – Audio and Scene Control

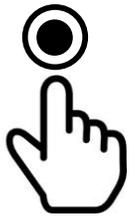
Control Element “Audio Control”

Operation and view



Shuffle is active

Source (favorite/playlist)



On/off, mute, ...
by
tapping the icon

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Overview Scenes: 8 bit Scene “Scene Control” (DPT 18.001) – calling and storing up to 64 scenes

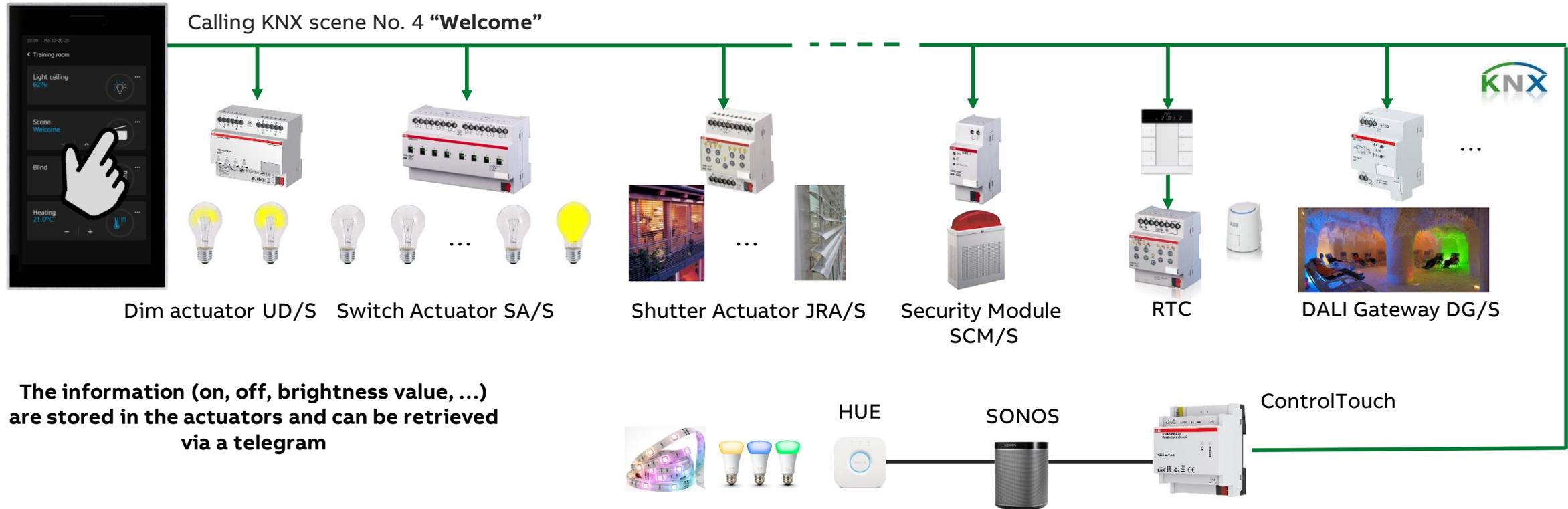


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Scenes

Typical applications of scenes

- Training room: Welcome, start, coffee break, end, ...
- Hotel room: Access, insert and remove key card, house keeping, ...
- Residential home: Night, welcome, goodbye, alarm, vacation, ...
- Shutter control: Sunrise, night, rain, ...
- Room: Occupied and not occupied
- RGB control (DALI): Sequencer of colored light

and many more

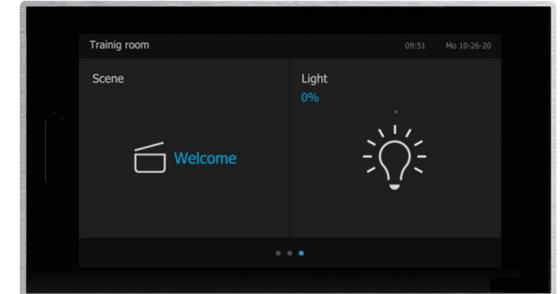


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Scenes

One touch control

- Lighting
- Curtains, blinds, shutters
- HVAC
- Music
- Security
- Audio and media technology
- ...

- Scenes to suit your mood
- More than central on/off
- End-user can call and store scenes

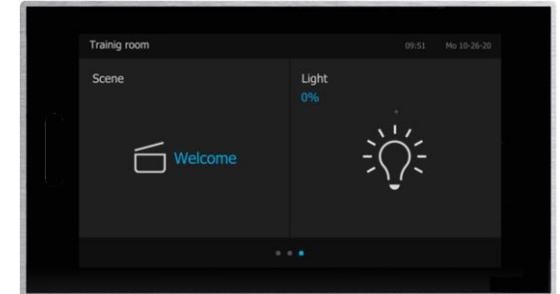


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view

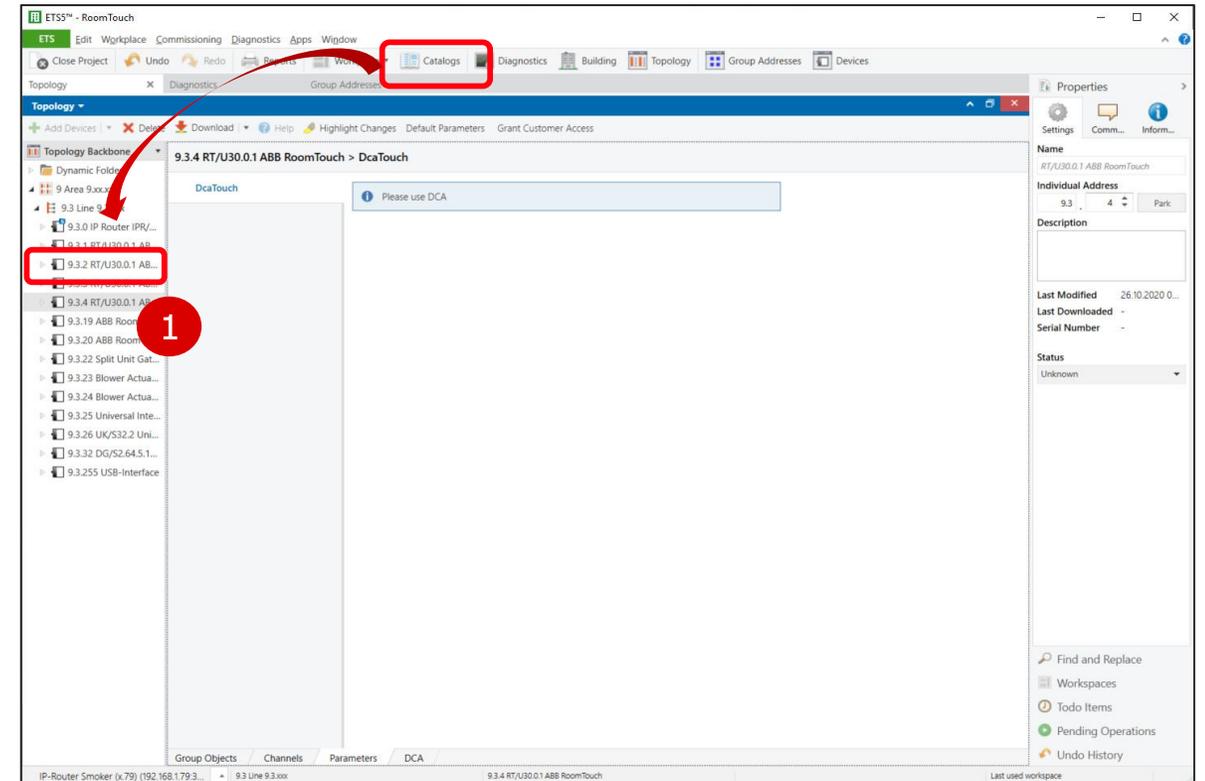


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning

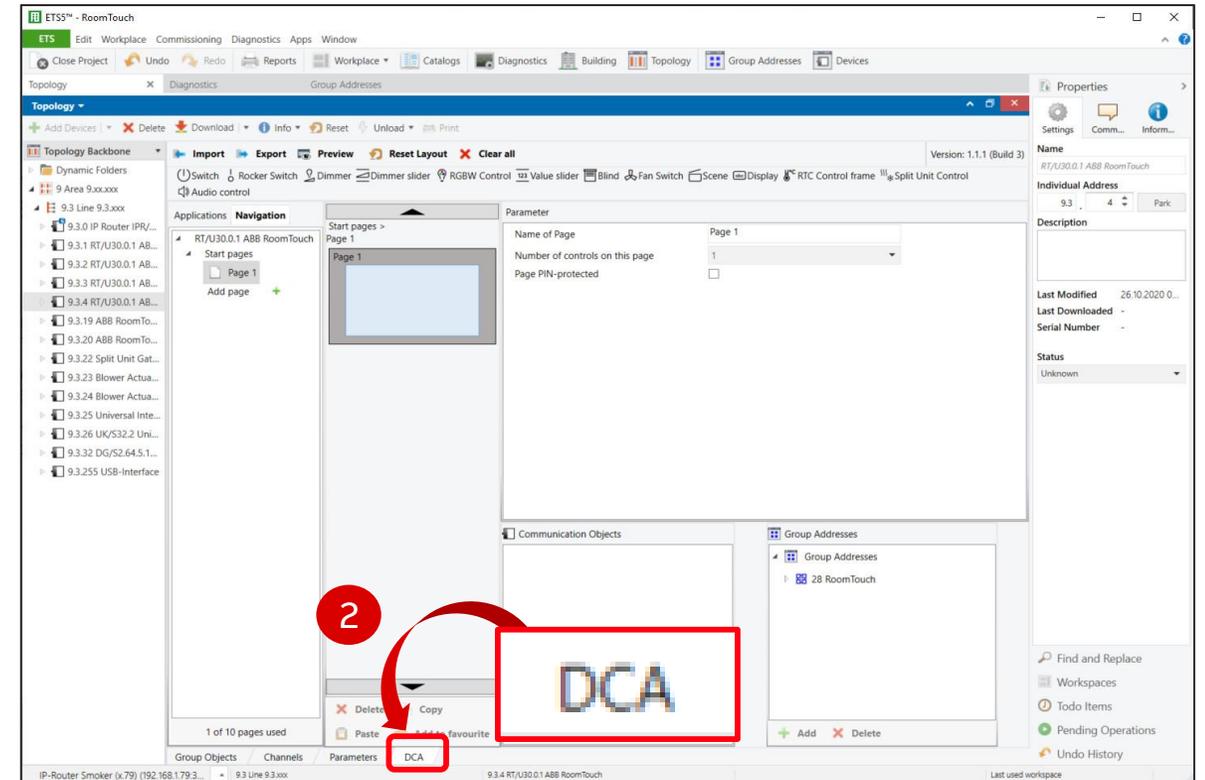


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1” or “2”

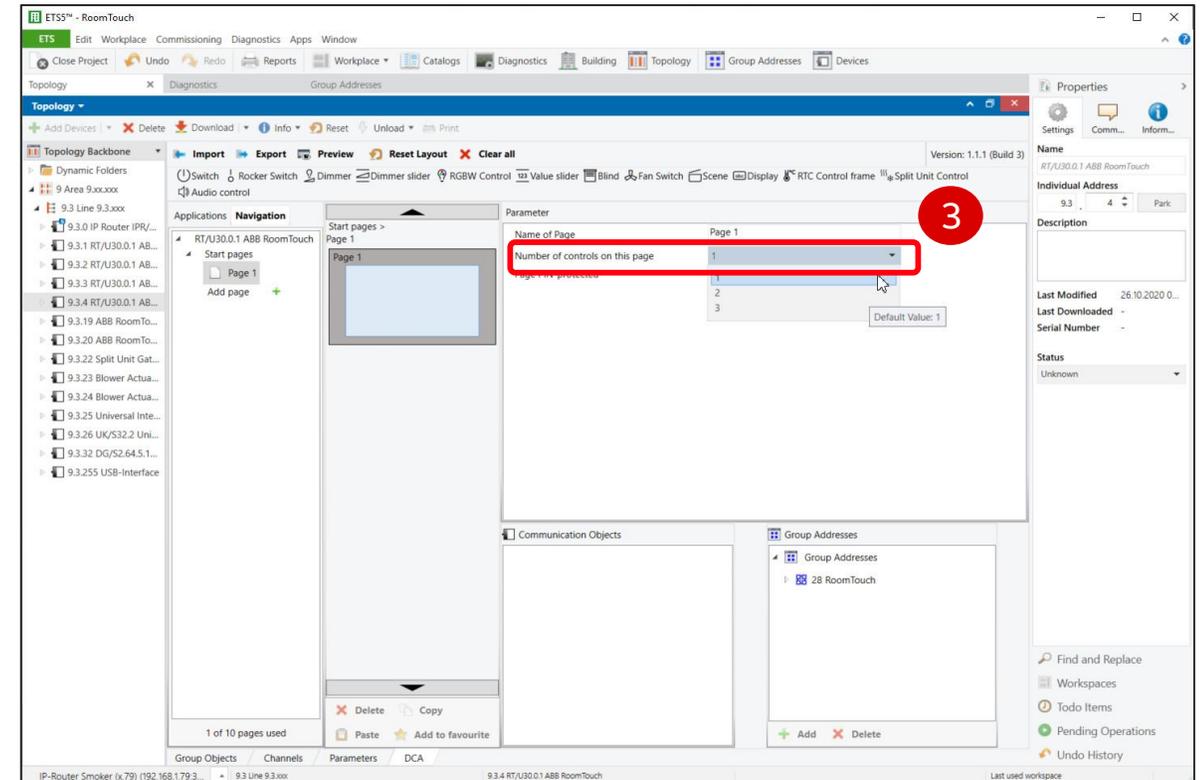


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1” or “2”
 - Drag the control element “Scene” from the task bar to the field of the page

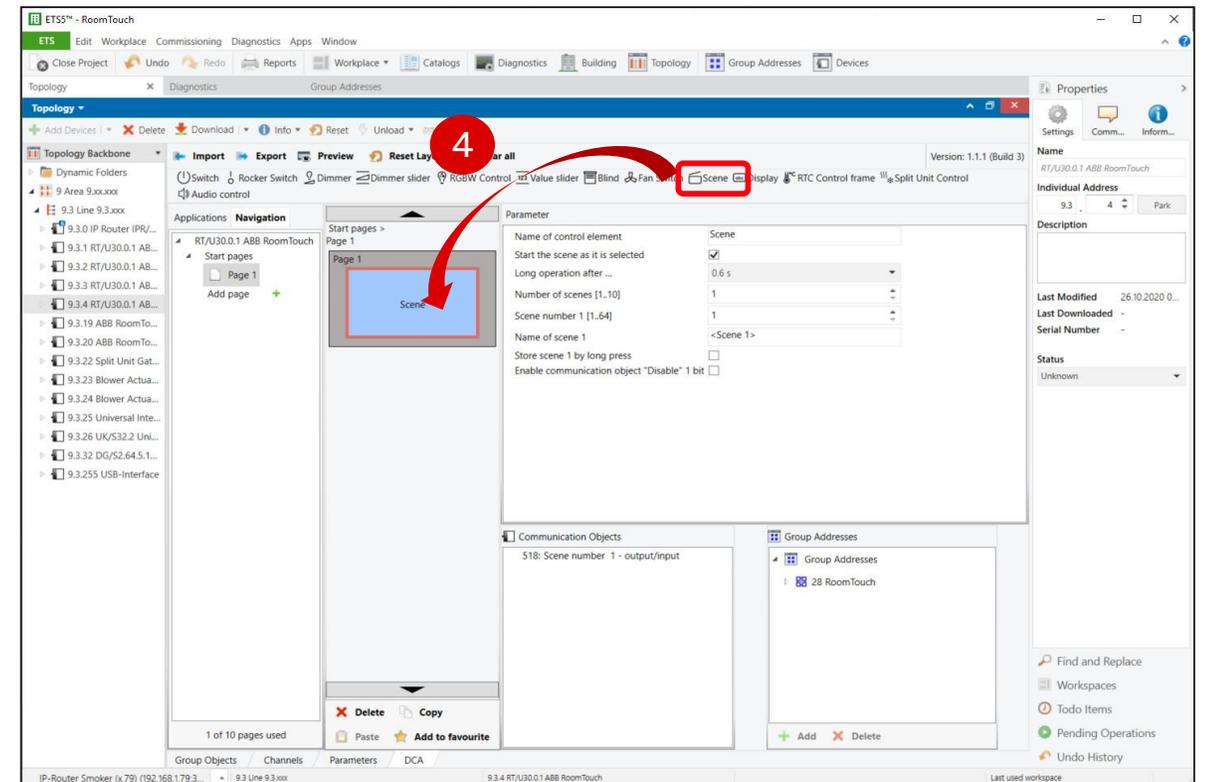


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1” or “2”
 - Drag the control element “Scene” from the task bar to the field of the page
 - Set the parameters

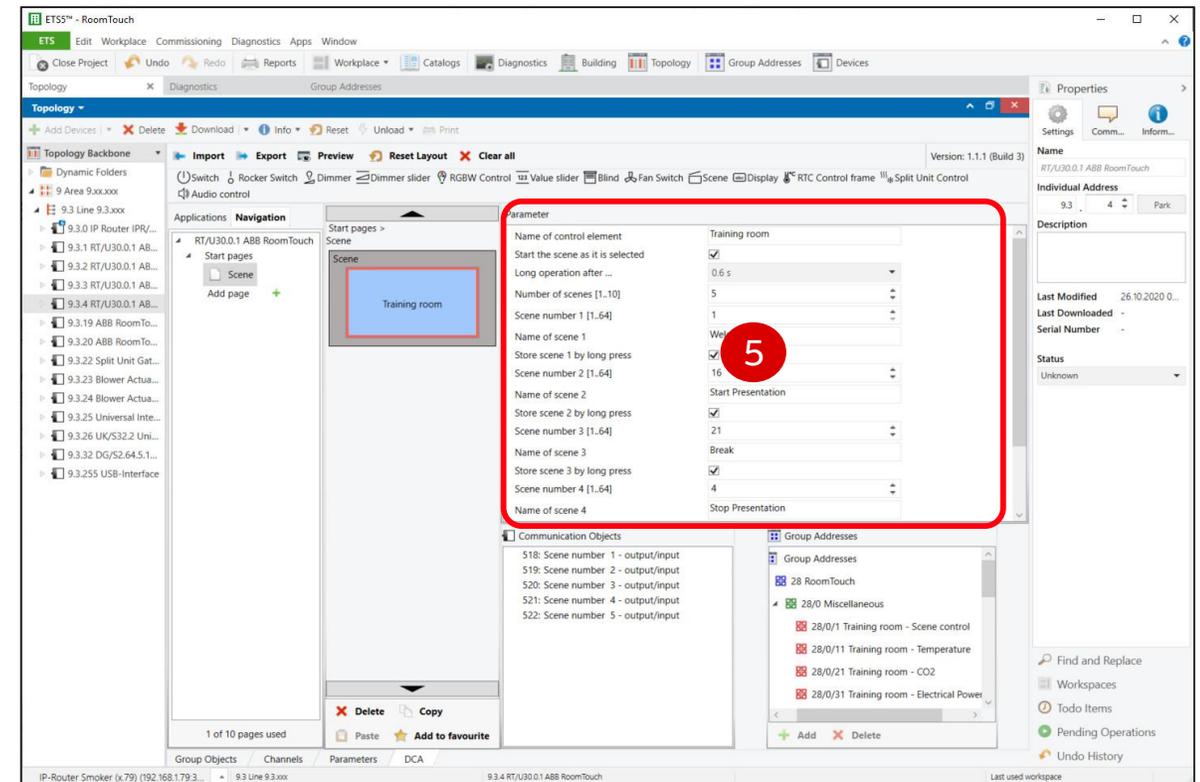


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Commissioning with the ETS

- The ABB RoomTouch® is parameterized with the “ABB Touch DCA” (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the “DCA” tab and start the commissioning
 - Set number of controls on this page to “1” or “2”
 - Drag the control element “Scene” from the task bar to the field of the page
 - Set the parameters
 - Link group addresses
 - Download individual address and application
 - ...

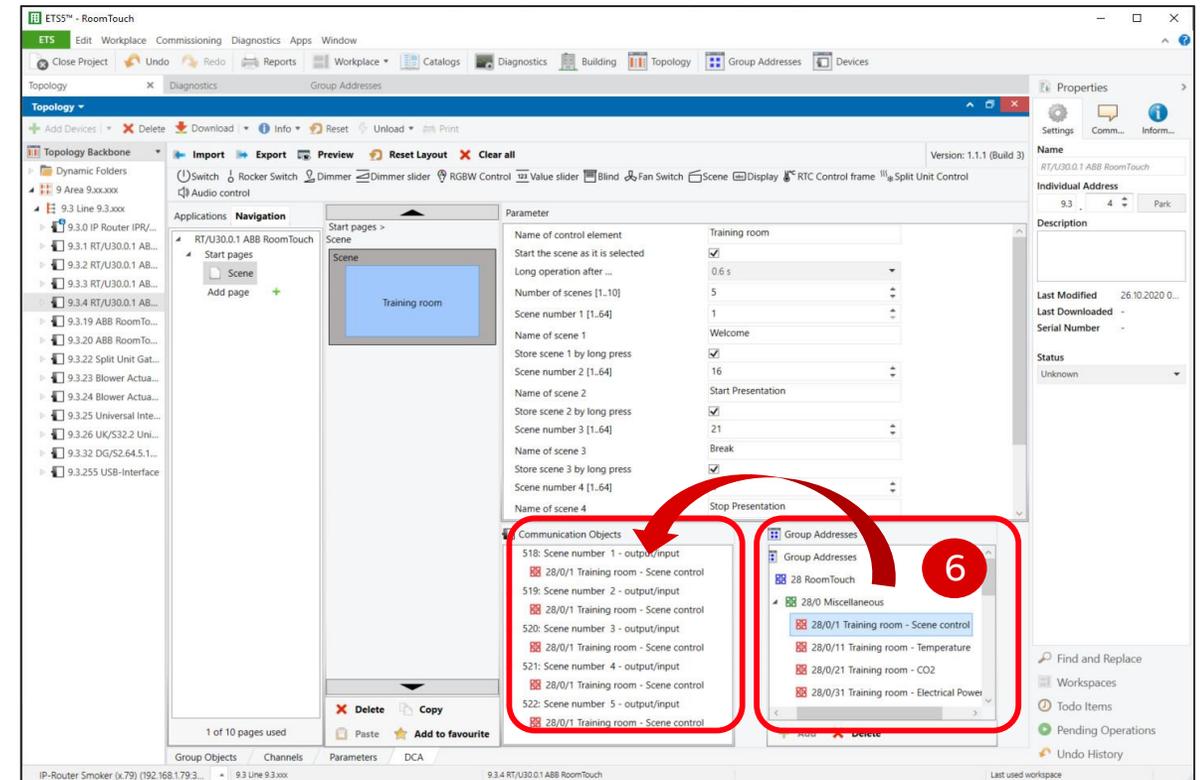


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Parameters

- Name of the Control Element (max. 36 characters)
- Start the scene at it is selected
- Long operation after...
- Number of scenes [1 - 10]
- Name of scene X
- Store scene X by long press
- Enable 1-bit communication object "Disable"

Parameter	
Name of control element	Training room
Start the scene as it is selected	<input checked="" type="checkbox"/>
Long operation after ...	0.6 s
Number of scenes [1..10]	5
Scene number 1 [1..64]	1
Name of scene 1	Welcome
Store scene 1 by long press	<input checked="" type="checkbox"/>
Scene number 2 [1..64]	16
Name of scene 2	Start Presentation
Store scene 2 by long press	<input checked="" type="checkbox"/>
Scene number 3 [1..64]	21
Name of scene 3	Break
Store scene 3 by long press	<input checked="" type="checkbox"/>
Scene number 4 [1..64]	4
Name of scene 4	Stop Presentation
Store scene 4 by long press	<input checked="" type="checkbox"/>
Scene number 5 [1..64]	5
Name of scene 5	End and goodbye
Store scene 5 by long press	<input checked="" type="checkbox"/>
Enable communication object "Disable" 1 bit	<input type="checkbox"/>

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Parameter “Store scene X by long press”

- All information (on, off, brightness values, ...) are stored in the actuators
- The end user can change the situation in the room and save it as new scene values
- The next time the new scene values are called
 - Setting the new values in the actuators (on, up, 65%, ...)
 - Select the desired scene
 - Press and hold your finger on the scene icon or text
→ A blue bar runs on the upper screen
 - A check mark indicates that the telegram “Store scene X” has been sent

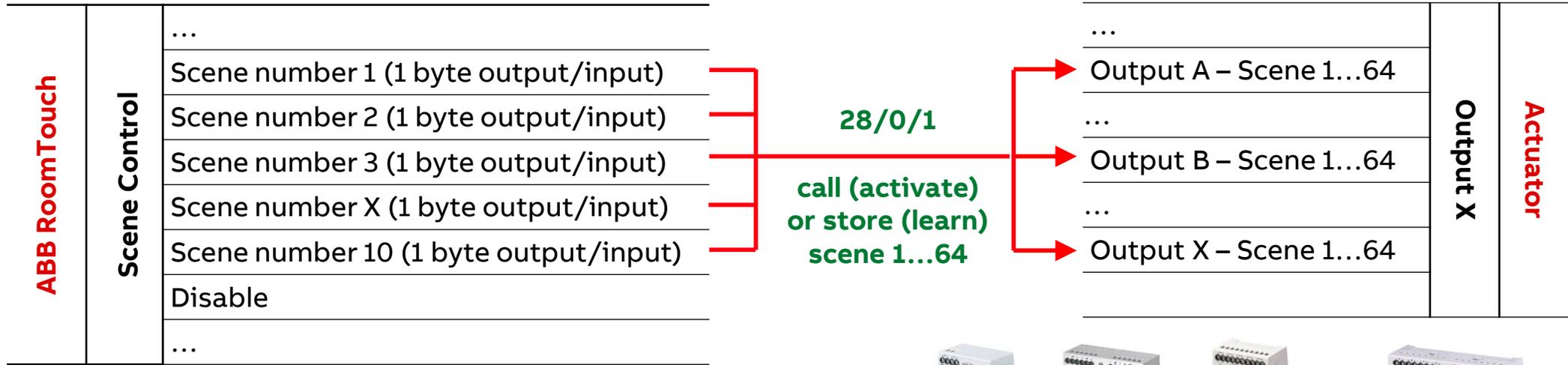
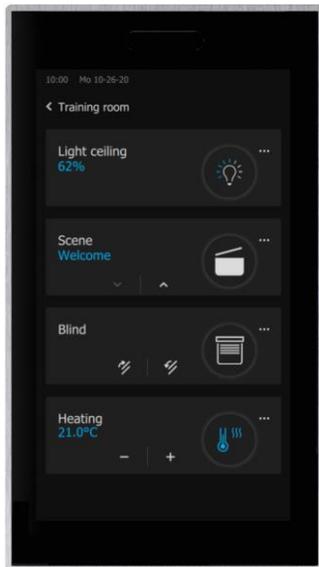
Long operation after ...	0,6 s
Number of scenes [1..10]	5
Name of scene 1	Welcome
Store scene 1 by long press	<input checked="" type="checkbox"/>



ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Example: Assignment of Group Addresses – All scene devices/group objects are linked with the same group address



#	Time	Se	Fla	Pri	Source	Source Name	Destin	Destination Name	Type	DPT	Info
1	26.10.202...	fr...	L...	9.3.21	ABB RoomTouch...	28/0/1	raining room - Scene control	Group...	18.001 scene control	\$03 Activate 4	
2	26.10.202...	fr...	L...	9.3.21	ABB RoomTouch...	28/0/1	raining room - Scene control	Group...	18.001 scene control	\$04 Activate 5	
3	26.10.202...	fr...	L...	9.3.21	ABB RoomTouch...	28/0/1	raining room - Scene control	Group...	18.001 scene control	\$00 Activate 1	
4	26.10.202...	fr...	L...	9.3.21	ABB RoomTouch...	28/0/1	raining room - Scene control	Group...	18.001 scene control	\$80 Learn 1	



DPT 18.001 “Scene Control” (call and store)
 (0 = call scene 1, 1 = call scene 2 , ...
 128= store scene 1, 129 = store scene 2, ...)

ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Operation and view

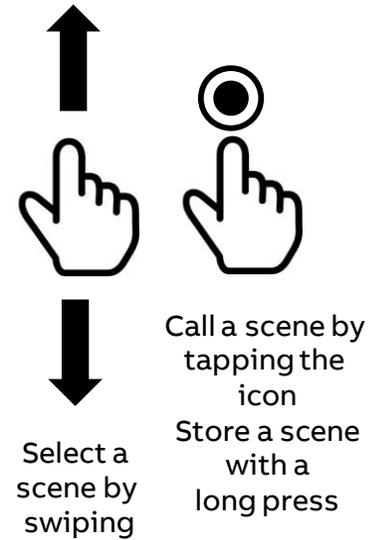
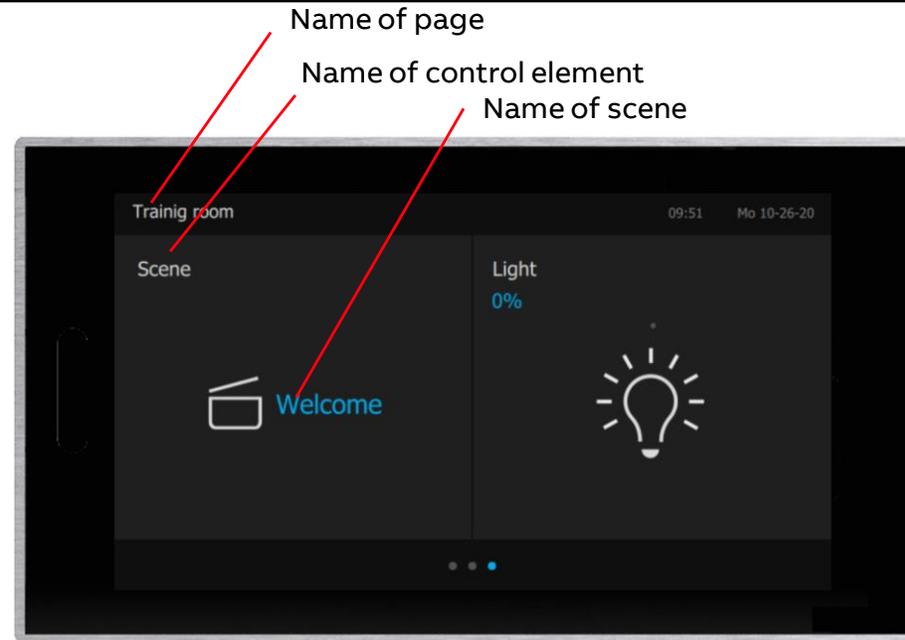
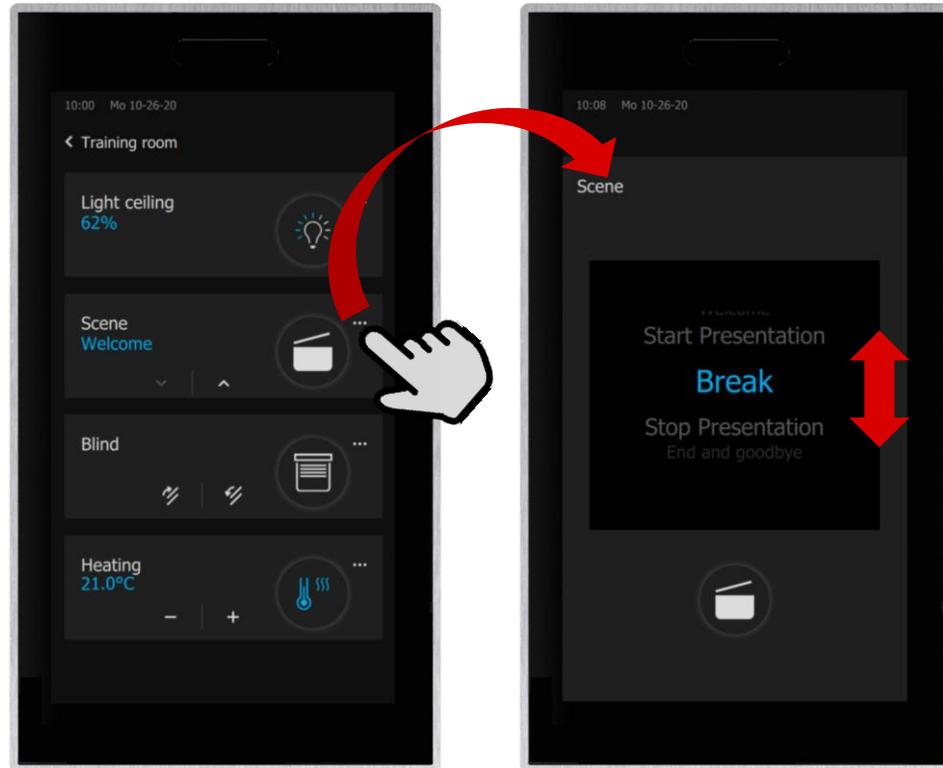


ABB RoomTouch® KNX – Audio and Scene Control

Control Element “Scene”

Operation and view

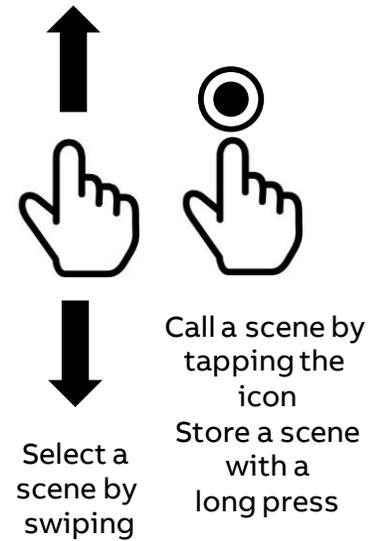
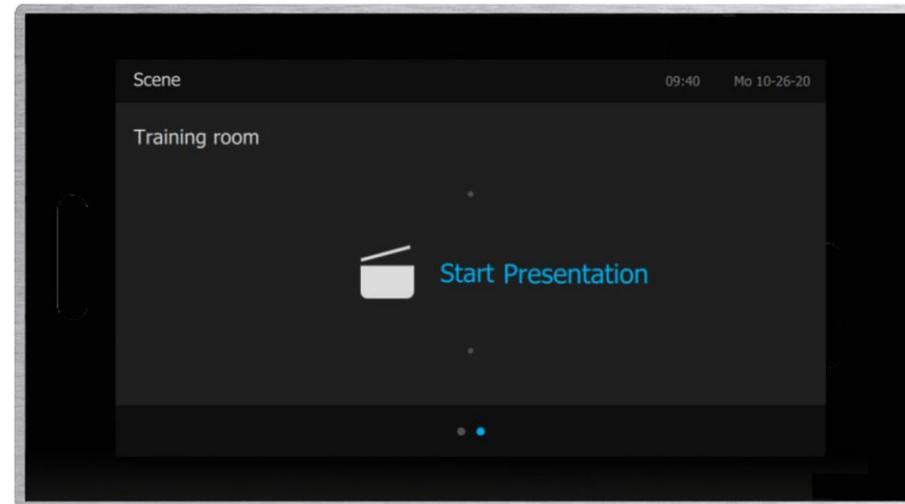
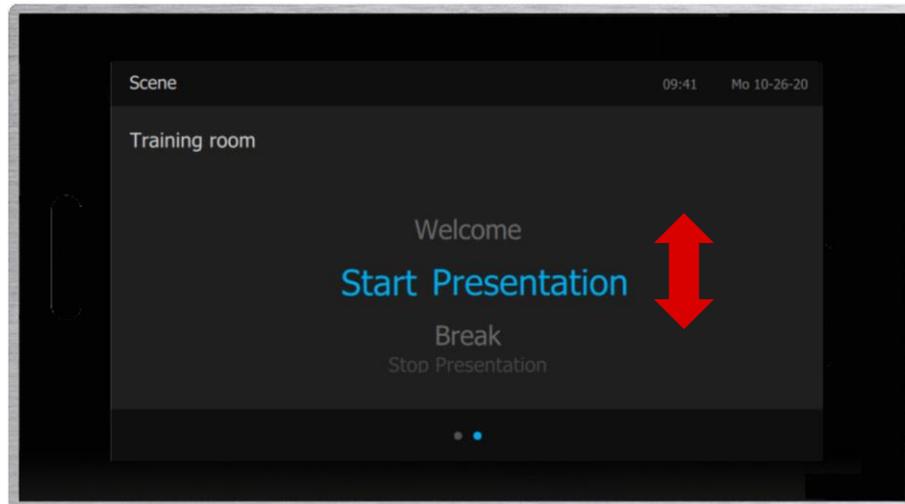


ABB RoomTouch® KNX – Audio and Scene Control

Online Learning Session

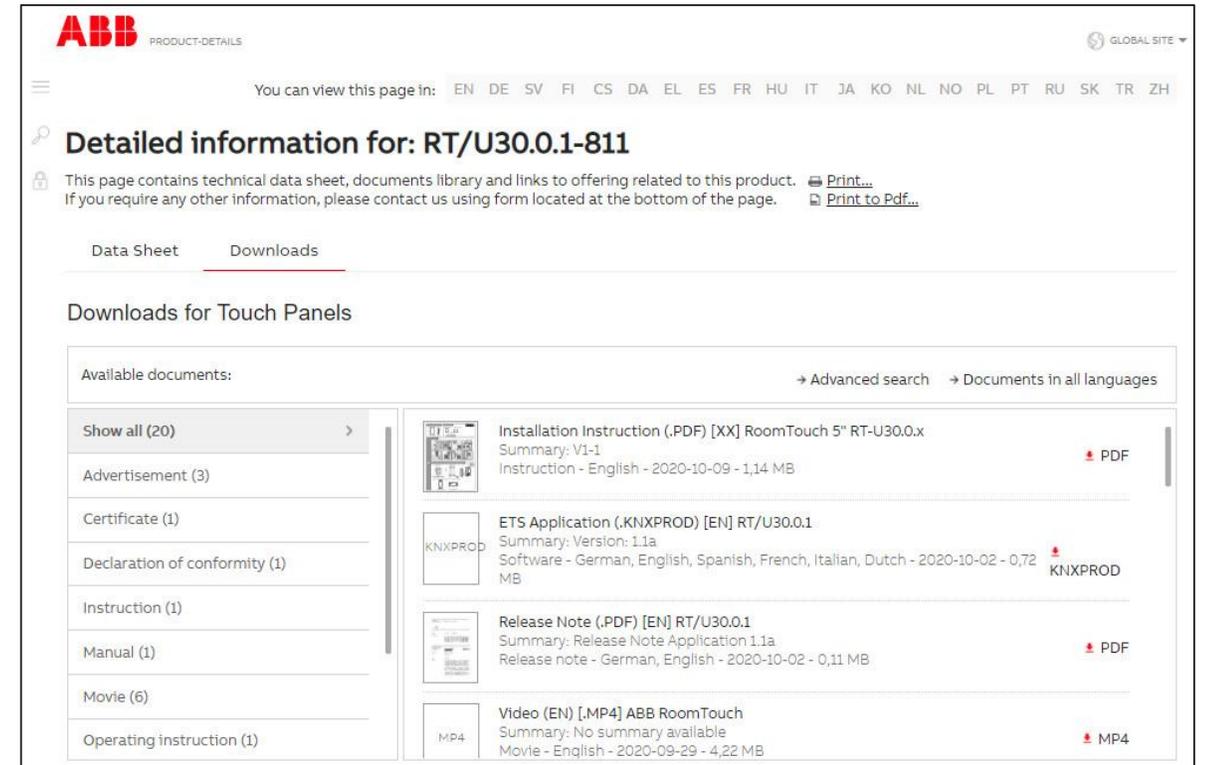
ABB RoomTouch® KNX – Audio and Scene Control

Online Learning Session

Homepage

[www. www.abb.com/KNX](http://www.abb.com/KNX)

- Products and Downloads
 - Visualisation, Display and Signalling
 - Touch Panels RT/U
- Product Manual
- Installation and Operating Instructions
- ETS Application (*.knxprod)
- ETS App ABB Touch DCA (*.etsapp)
- Webinar recordings and presentations
- ...



The screenshot shows the ABB product details page for RT/U30.0.1-811. The page is in English and features a navigation menu with various languages. The main content area is titled "Detailed information for: RT/U30.0.1-811" and includes a lock icon indicating technical data. Below this, there are tabs for "Data Sheet" and "Downloads". The "Downloads" tab is active, showing a list of available documents for Touch Panels. The list includes:

- Installation Instruction (.PDF) [XX] RoomTouch 5" RT-U30.0.x
Summary: V1-1
Instruction - English - 2020-10-09 - 1,14 MB
- ETS Application (.KNXPROD) [EN] RT/U30.0.1
Summary: Version: 1.1a
Software - German, English, Spanish, French, Italian, Dutch - 2020-10-02 - 0,72 MB
- Release Note (.PDF) [EN] RT/U30.0.1
Summary: Release Note Application 1.1a
Release note - German, English - 2020-10-02 - 0,11 MB
- Video (EN) [MP4] ABB RoomTouch
Summary: No summary available
Movie - English - 2020-09-29 - 4,22 MB

ABB RoomTouch® KNX – Audio and Scene Control

Online Learning Session

Training & Qualification Calendar

In addition to the online modules and the traditional training programs offered by your local ABB sales team, we offer a variety of on-site trainings conducted by our specialists at different ABB training facilities

In this Training & Qualification Calendar you can find the educational events that are taking place during 2020

If you are interested in a training please click the training und you will be forwarded to register in “ABB MyLearning”

www.abb.com/knx or <https://go.abb/ba-training>

→ Services & Tools

→ Training and Qualification

→ Training Calendar

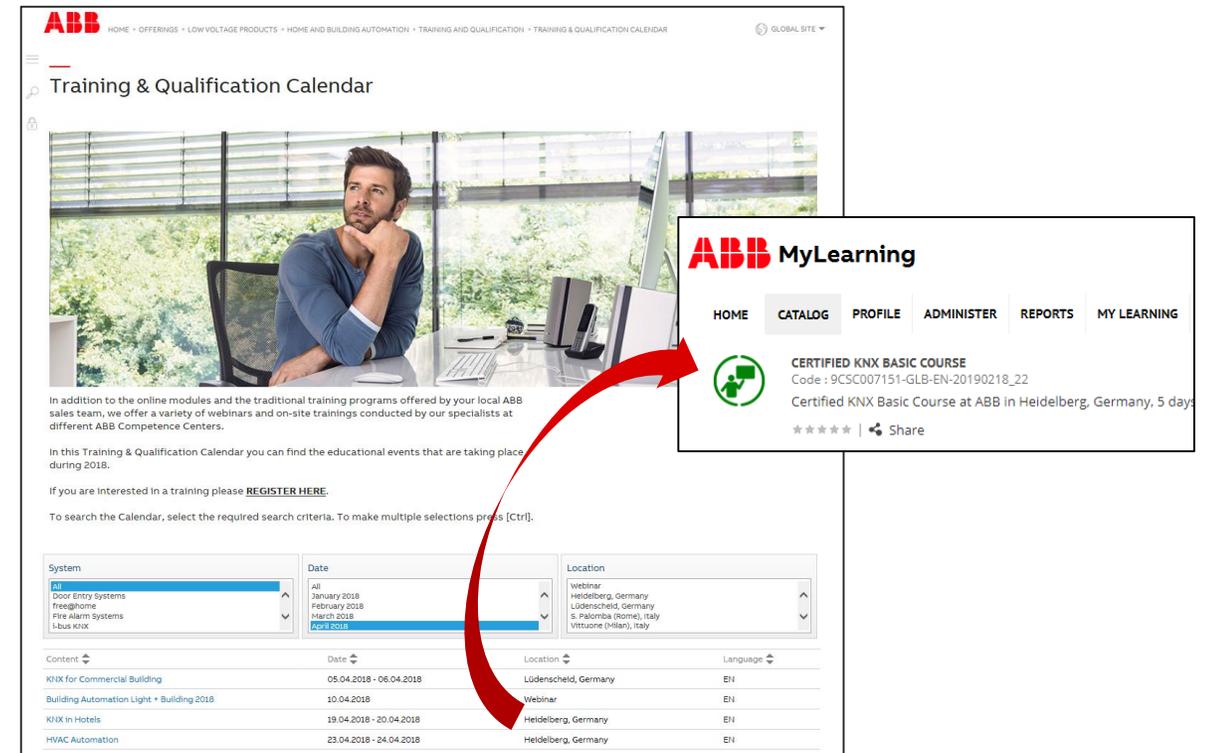


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Training & Qualification Calendar

In addition to the online modules and the traditional training programs offered by your local ABB sales team, we offer a variety of webinars and on-site trainings conducted by our specialists at different ABB Competence Centers.

In this Training & Qualification Calendar you can find the educational events that are taking place during 2018.

If you are interested in a training please [REGISTER HERE](#).

To search the Calendar, select the required search criteria. To make multiple selections press [Ctrl].

System	Date	Location
All	All	Webinar
Door Entry Systems	January 2018	Heidelberg, Germany
Free@home	February 2018	Lödenscheld, Germany
Fire Alarm Systems	March 2018	s. Palomba (Rome), Italy
I-bus KNX	April 2018	Virtuone (Milan), Italy

Content	Date	Location	Language
KNX for Commercial Building	05.04.2018 - 06.04.2018	Lödenscheld, Germany	EN
Building Automation Light + Building 2018	10.04.2018	Webinar	EN
KNX in Hotels	19.04.2018 - 20.04.2018	Heidelberg, Germany	EN
HVAC Automation	23.04.2018 - 24.04.2018	Heidelberg, Germany	EN

ABB MyLearning

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CERTIFIED KNX BASIC COURSE
Code : 9CSC007151-GLB-EN-20190218_22
Certified KNX Basic Course at ABB in Heidelberg, Germany, 5 days
★★★★★ | Share

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