Webinar KNX Visualisation – Updates and Solutions
BU EPBP GPG Building Automation
Carolina Bachenheimer-Schaefer, Thorsten Reibel, Jürgen Schilder & Ilija Zivadinovic
Global Application and Solution Team
Webinar “KNX Visualisation – Updates and Solutions”

Agenda

**Visualisation, Display, Signalling and more**

- Busch-ComfortTouch® Release 1.3.1
- Busch-ControlTouch® Release 1.2
- Busch-SmartTouch® 7"
Busch-ControlTouch®
Release 1.2
Busch-ControlTouch KNX

Motivation, goal setting

- Enhancements software functions
- Remote control via My.ABB-Livingspace.com
Busch-ControlTouch KNX
Product specification

- **Remote access via my.ABB-Livingspace.com**: It is now possible to control your building from outside your network without port forwarding or VPN

- **Accept KNX learn telegram**: Scenes can now be set to the current values of their appropriate components by sending a KNX Learn telegram on the KNX-bus for the respective group address and value

- **Sonos extended support (playlists, etc.)**: The uPnP command feature has been extended to allow more options:
  - Playback commands: Repeat all, Repeat one, Shuffle, Play normal
  - Playlist commands: Clear queue, Goto playlist nr, Play playlist nr, Goto playlist name, Play playlist name
  - Favorite commands: Goto favorite nr, Play favorite nr, Goto favorite name, Play favorite name

- **Presence simulation – self-learning feature**: The user can add components (group addresses) to the presence simulation which should be recorded and later played back
Busch-ControlTouch KNX
Product specification

- **Easy archive option to visually hide finished devices/projects/profiles:** The user can now archive devices, projects and profiles by clicking on the archive button. This will move the device, project or profile to a new item option in the bottom of the menu.

- **Import/export functionality for profiles:** Profiles can now be exported to a file and can be downloaded.

![Image of product specification interface]
Busch-ControlTouch KNX

Product specification

- Extend button rows functionality:
- The buttons in a button row can now have more button types:
  - Send value (was already available)
  - Shutter (up/ down + status)
  - Switch (on/ off + status)
  - Call scene (no status)
  - Send command (uPnP, no status)
  - Go to page (no status)
  - Go to menu (no status)
  - Go to account (no status)
Busch-ControlTouch KNX

Product specification

- **AND/ OR implementation for triggers:** In myEnvironment, multiple triggers and conditions can now be used
Busch-ControlTouch KNX
Product specification

- **Create widget function for iOS:** The iOS app now supports widgets. In the my environment the widget for the profile can be configured. The first button of the widget is always the link to open the app. Additional buttons can be added:
  - Send value (same as old button row)
  - Shutter (up - stop - down + status)
  - Switch (on/ off + status)
  - Call scene (no status)
  - Send command (UPnP, no status)
  - Spacer

- **Changed “secondary text colour” should also apply to colour of secondary buttons:** When the user sets a manual “secondary text colour”, this colour is also used for the secondary buttons, i.e.:
  - Up/ down button for shutter
  - Plus/ minus button for temperature setter (or other setter with plus/ minus)
  - Unselected thermostat mode icons
Busch-ControlTouch KNX

Product specification

- **Apple watch:**
  It quick start for Apple watch
Busch-ComfortTouch® KNX
Release 1.3.1
Remote access over myABB-Livingspace
The ComfortTouch app now also accesses the ComfortPanel via the myABB-Livingspace cloud
(note: service with costs!)
No port-forwarding or VPN connection necessary
Busch-ComfortTouch® KNX
New in Release 1.3.1

- Sonos
  Sonos Audio Control: Allows the fast integration of configured Sonos speakers on control pages
  IP address input via the web interface
  Sonos configuration option: “Retain favorites assignment for new programming”
Busch-ComfortTouch® KNX

New in Release 1.3.1

- RTC

Actual temperature: The RTC now also displays the actual value in the controlled room
Busch-ComfortTouch® KNX
New in Release 1.3.1

- Icon-Set extension
  Various group icons are now available for the ControlFrames and BubbleControls
Busch-ComfortTouch® KNX

New in Release 1.3.1

- Door communication
  Improvement of the support of IP cameras in the application

- Philipps Hue
  System stability Philips Hue improved

- Camera surveillance
  Open * and close * of camera views is now possible via KNX data points
Busch-SmartTouch® KNX
Busch-SmartTouch® KNX
Motivation and objectives

Busch-SmartTouch® KNX - your smart display for the smart buildings of today.

A smart display with many integrated applications for smart buildings, like KNX controls and door communication. The door entry system ABB-Welcome or Welcome M are ready to use without additional equipment. All integrated smart functions are easy to operate at the touch of a fingertip; it is as easy to use as a smartphone. The slim design makes the Busch-SmartTouch® KNX a real eye-catcher.

- Easy and comfortable central control panel for KNX
- Video indoor station for Welcome and Welcome M
- Commissioning with ETS4 and ETS5 via new DCA (Device Configuration App)
- Replacement of the previous SmartTouch 5,7’’
- One panel below € 1000,-
Busch-SmartTouch® KNX

Brief description

- 7” capacitive touch display
- Real materials - glass and stainless steel
- Simple visualization with the help of existing control frames, color concept and page links for the navigation
- Complete video indoor functionality of the door entry system ABB-Welcome or Welcome M
- Possible to be flush mounted, surface mounted or be mounted on a desk stand
- Either separate 20-32V power supply or power supply through the door entry system
Busch-SmartTouch® KNX

Detailed description

- Max. 480 control elements on max. 30 pages
- Easy user interface
- Commissioning via ETS
- Favourites page and time programs can be created by end customer
- Direct KNX connection
- Direct connection to ABB-Welcome (M)
- Noiseless (no fan)
- LED backlighting
- Integrated loudspeaker (e.g., acoustic feedback, alarm message, Welcome door communication)
- Micro CD-Card slot (SDHC) + SD-card with operating system

Power consumption: 9.5 watts
Voltage range: 20-32 VDC
Display resolution: 1024 x 600 pixel
Display colors: 16 million
CPU: ARM Cortex-A9
Operating temperature: -5°C to + 45°C
Storage temperature: -20°C to + 70°C
Relative Humidity: 0 to 90% (non-condensing)
IP class: IP20
Other connections: KNX, Welcome, Hearing loop
Measurements: 244 x 166 x 24 mm
Thickness (mounted): 13 mm
Busch-SmartTouch® KNX
Controls and Applications

- Switch
- Rocker switch
- Dimmer
- Dimmer slider
- Blinds
- Scene
- Fan switch
- RGBW control
- Value slider
- Display element
- RTR control
- Audio control
- Page link

- Scene editor with central dimming function
- Weekly timer (with Astro)
- Logic functions
- Alarms (divided into 3 groups)
- Presence simulation
- Object RTC + temperature sensor
- Welcome (Direct Welcome 2-wire connection)
Busch-SmartTouch® KNX

Design
### Busch-SmartTouch® KNX

#### Product overview

<table>
<thead>
<tr>
<th>Busch-SmartTouch®</th>
<th>Surface mountable frame</th>
<th>Flush mountable box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black or white</td>
<td>Black or white, mountable on standard flush-mounted boxes, on the old flush-mounted box or on the desk stand</td>
<td>Black, for masonry or cavity walls</td>
</tr>
</tbody>
</table>

**Desk stand**
Busch-SmartTouch® KNX

Connections

Old SmartTouch box
Installation box
CH installation box
Table stand
Busch-SmartTouch® KNX

Connections

- Welcome bus or external power supply
- Level doorbell
- KNX bus
- Welcome addressing Master/Slave terminating resistor
Busch-SmartTouch® KNX

Product range in detail

- 6136/07-811-500 Busch-SmartTouch® 7, FM €998,-
- 6136/07-825-500 Busch-SmartTouch® 7, FM €998,-
- 6136/27-811-500 Adapter frame for SmartTouch, SM €50,-
- 6136/27-825-500 Adapter frame for SmartTouch, SM €50,-
- 6136/07 UP-500 FM installation box for SmartTouch €55,-
Busch-SmartTouch® KNX
Planning and Commissioning
Busch-SmartTouch® KNX
ETS DCA

- DCA - Device Configuration App
  (Download: www.busch-jaeger-catalogue.com or over your My KNX-Access)
- ETS 5.5.3 or higher
- Commissioning editor is fully integrated in ETS
- ETS app plug-in needs to be installed
- Needs special requirements
  • 8GB RAM recommended
  • for more detailed information see the “Technical handbook”
- Product data import over ETS (*.knxprd)

Or ETS4 (also for ETS5)
- Power-Tool
Busch-SmartTouch® KNX

Group addresses

- Directly linked to ETS
- Can be changed, extended or deleted
- Write back to ETS
Busch-SmartTouch® KNX

Building structure

Navigation structure

- Import: building structure from ETS (only the floors and rooms can be imported)
- Import: structure from (Terminal) file (https://my.abb-livingspace.com)
- Import template (*.stpl)
- Used pages are automatically counted (maximum 30 pages)
  - max. 10x Homepage
  - max. 29x rooms with 1x page
  - max. 3x pages per room
  - max. 28x floors
  - max. 15 rooms per floor
  - up to 16x controls per page (depends on control size)
Busch-SmartTouch® KNX

Building structure

Application

- System settings
- Door communication objects
- Fault and alarm messages
- Scene actuator
- Presence simulation
- Time programs (only objects for blocking, holiday activation/status)
- Logical functions
- RTC
Busch-SmartTouch® KNX

Preview
Busch-SmartTouch® KNX
Creating timer on-site
Busch-SmartTouch® KNX

Marking favorites
Webinar “KNX Visualisation – Updates and Solutions”

Next Webinar

**KNX Split Unit Gateway SUG/U1.1**

- Wednesday 13\(^{th}\) September 2017
  - Morning 09:00 am Europe Time (Berlin, UTC + 2h)
  - Afternoon 03:00 pm Europe Time (Berlin, UTC + 2h)

- Introduction and device overview
- Application and benefits
- Planning and installing
- ETS parametrization
- Integration i-bus Tool

* Topic is subject to change

NEW !!!
Disclaimer

The information in this document is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this document.

In no event shall ABB be liable for direct, indirect, special, incidental or consequential damages of any nature or kind arising from the use of this document, nor shall ABB be liable for incidental or consequential damages arising from use of any software or hardware described in this document.

© Copyright [2017] ABB. All rights reserved.