Q1 2021 CLICKSHARE SOFTWARE RELEASES

Channel briefing webinar

20 April, 2021

BARCO

A Q1 RELEASE PACKED WITH NOVELTIES

Continued Quality Assurance
Continued focus on solving issues reported through service

Blackboarding & annotation
Delivering blackboarding & annotation for our CX-30 and CX-50

Peripheral Management
Update and service your Logitech Rally through CX

Active mute
Camera & microphone icons on wallpaper, active mute when red

Audit logs in XMS cloud
Enhanced traceability: every user action visible in Audit menu

Share how you want
Miracast on full CX-series

Mobile device audio sharing
Share the audio from your mobile device in sync with the video

Room availability
See the room availability on the ClickShare wallpaper (Office 365 only!)

CX-50 improvements
Improved latency on touchback AV sync improvements

ISO 27k for XMS cloud
Certified to deliver the most secure cloud management system

Remote sharing of room display
The local room view is always ready to share in your UC&C app

App-based conferencing
Enjoy wireless conferencing with the Desktop App [in beta]

Network integration
For both the Button and the Base Unit & Wireless client mode available

Airplay presence detection
Airplay connectivity possible through built in Bluetooth discovery

SmartCare information
Now available both on the ClickShare Configurator as well as XMS Cloud

More peripherals
Support for additional peripherals True 720p for Poly Studio & Bose VB1

The ClickShare Experience

Great things happen when people click

Simple.   Easy.   Wireless.

ClickShare Button

Desktop app

Mobile app

Wireless Presentation

ClickShare CS(E)

Wireless Conferencing

ClickShare Conference

CX-20

CX-30

CX-50

Enterprise Grade

Secure

Central Management

Analytics & Insights

Eco-Friendly

ISO 27001

XMS Edge

XMS Cloud

SmartCare

5 years coverage & insights

A Label

ECO

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App-based conferencing

Mobile device audio sharing

Screen sharing via Miracast

Annotation & Blackboarding

Remote sharing of the room display from within your UC&C

Room availability

Broadest range of peripherals

Network integration

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ISO 27001 for XMS

XMS Audit logs

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Q1 SOFTWARE RELEASE
KEY MESSAGES FOR MEETING USER

App or Button. Your choice.
Wireless Conferencing via App and Button

Better engagement
Meeting room status display | blackboarding & annotation

Share what happens in the room
Share contents from the in-room display with remote participants

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Q1 SOFTWARE RELEASE
KEY MESSAGES IT ADMIN

App or Button. The power of choice
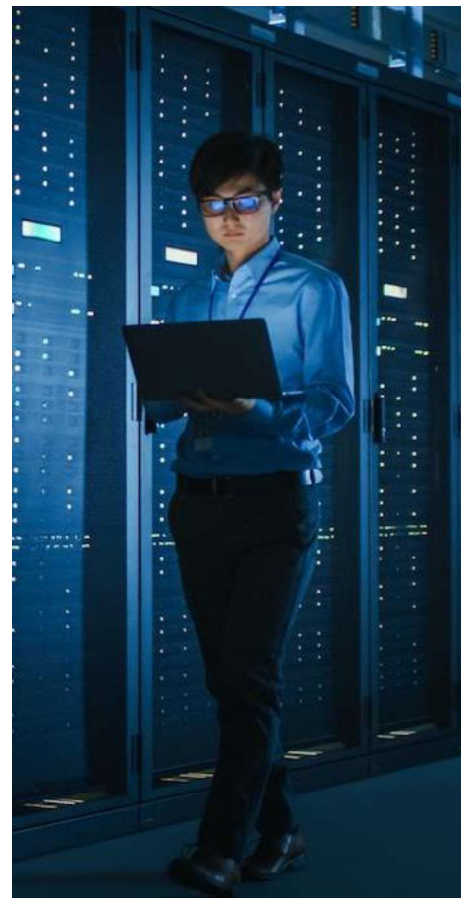Wireless Conferencing via App and Button

GoogleCast, Miracast & Airplay
Full BYOD support for screen sharing

Supports widest range of USB conference cams
The largest number of validated conference peripherals

Compatible with your network configuration
Multiple network integration options

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April 20th

The ClickShare Experience
Great things happen when people click

Simple. Easy. Wireless

| App-based Conferencing | Mobile device audio sharing | Screen sharing via Miracast | Annotation & Blackboarding | Remote sharing of the room display from within your UC&C |

Room availability | Broadest range of peripherals | Network integration

Enterprise Grade

ISO 27001 for XMS | XMS Audit logs

APP-BASED CONFERENCING

BETA

3 Join the call from your laptop.

2 Connect with the ClickShare App.

1 Walk into the meeting room.

Barco confidential

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APP-BASED CONFERENCING

Wireless Conferencing with or without the Button

BETA

Installation

- Requires ClickShare Base Unit firmware v2.8
- PC Drivers available through **separate** download
  - ◦ Registration required for download
  - ◦ Admin rights needed for installation on pc
  - ◦ Mass deployment supported (MSI installer)
- Most recent version of the desktop app

Connect and meet

1. Connect to the meeting room
2. Meeting room peripherals
   created as connected devices
3. Use the meeting room camera
   and speakerphone in your conference call

Audio devices

ClickShare Room Speakerphone - BETA

Speaker

Speakers (ClickShare Room Speakerphone - BETA)

Microphone

Microphone (ClickShare Room Speakerphone - BETA)

Camera

ClickShare Room Camera - BETA

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APP-BASED CONFERENCING

Wireless Conferencing with or without the Button

- **Windows 10 only during Beta,
  MAC support coming soon**

- **Mute-sync not available in Beta**

- **Network connected Base Unit**
  - Base Unit must be LAN connected and PC must connect over the network
  - To allow for internet connection for video call

- **Corporate network requirements:**
  - Bandwith of up to 30Mbs per connection
  - Low latency (<50ms E-2-E)

BETA

**SHARE WHAT HAPPENS IN THE ROOM
WITH REMOTE PARTICIPANTS**

Simplified user experience to share the room display remotely
by simply selecting it in your UC&C tool
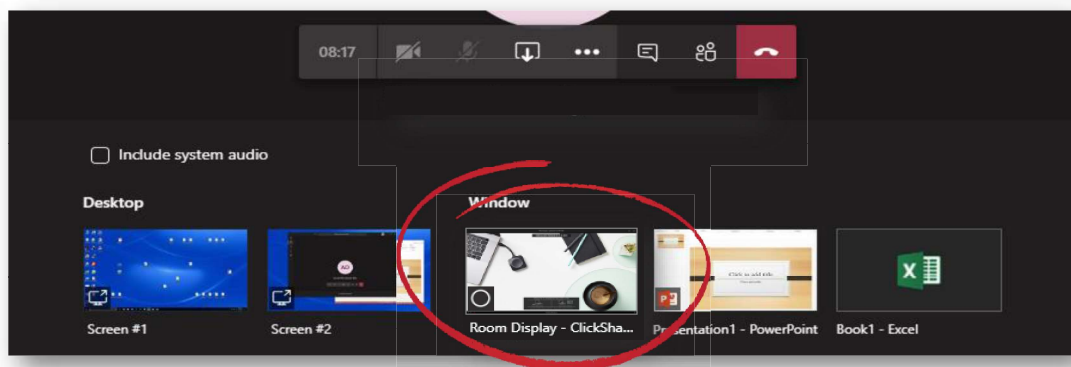
No need to open the local view window,
no need to create a second display on your system,
Room Display window is there when you need it

SIMPLIFIED SHARING OF THE LOCAL ROOM VIEW

View room display window always available in the UC&C app

- ◦ Connect to the Base Unit (CX)
- ◦ First Window when sharing in Teams/Zoom/…
- ◦ Button and App

The window is **not visible** on your computer

- ◦ No "tunnel vision"
- ◦ Border around the primary screen to indicate you're sharing

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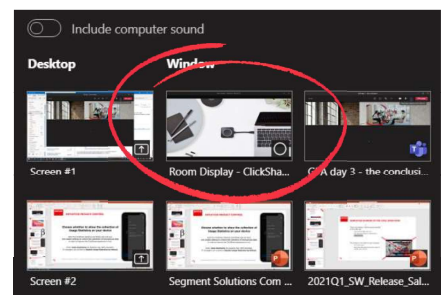
FLUENT VIDEO AND AUDIO SHARING FROM YOUR MOBILE DEVICE

Share the audio of your video to the meeting room in sync with the video

Greatly improves the experience when sharing recordings or online video's

Take over the whole meeting room screen with a long press

Tap the sharing button to add your content, hold the button to take over

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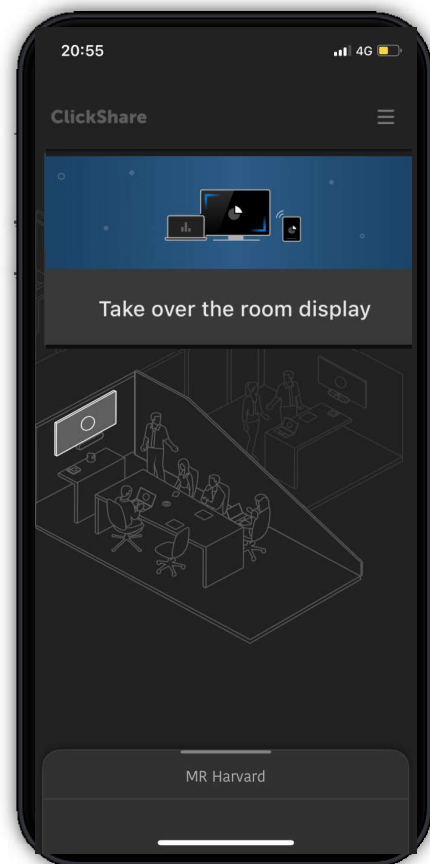
BETTER ENGAGEMENT
WITH ANNOTATION AND BLACKBOARDING
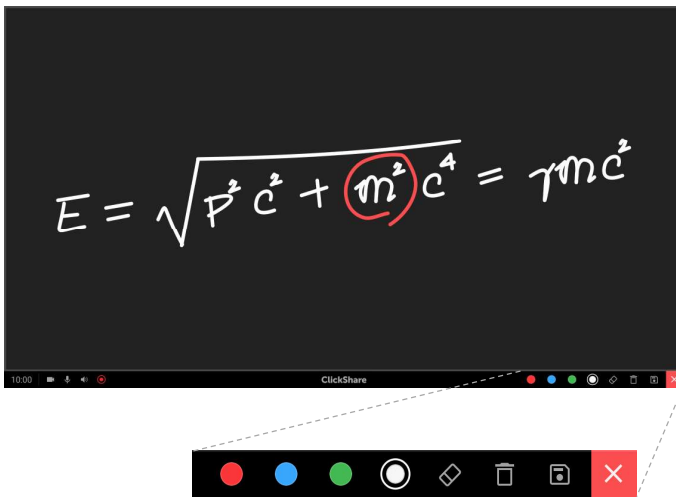
Switch between presentation view and the
blackboard with one click

Snap and draw
with the **annotation** functionality

Distribute your ideas via a **one-click save**
to all connected apps

MEET WITH CONFIDENCE

- Confidence when starting your call – status icons indicate **whether the conferencing peripherals are available and when they are being used**

- **Mute icon** on wallpaper with **active mute** ensuring peace of mind

- Know when someone is watching the meeting room screen with **local view**

Microphone available

Microphone in use

Microphone actively muted

'ONE CLICK SYNC' IMPROVEMENTS FOR THE CX-50

An end-to-end latency reduction of 25-30% on the CX-50
improving both the **touch back** experience as the **AV sync during a call**.

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SUPPORTING THE WIDEST RANGE OF CONFERENCE PERIPHERALS: ADDITIONAL PERIPHERALS AND IMPROVEMENTS

- **New and fixed peripherals**: Nureva HDL200, Poly Eagle Eye Cube, AMX AVC-5100, Aver VB342, Aver VB342+, Poly Studio X30 and X50 and many more.
  - Firmware is currently with partners, 160+ devices have been validated so far with the 2.8 release. Final list can be found on the website: www.barco.com/clickshare/alliance-partners/peripherals. This list will be updated after the official release

- **True 720p**: some cameras did not send 720p when requested, this is now fixed
  - e.g. Bose VB1, Poly Studio USB, Logitech Group, …

- **Peripherals are not active when not used by end-user**, as a result, the LED (or other indication) will be off when not used

ALLIANCE PARTNER STATUS – APRIL'21

Please note that partner status might not apply to all of the alliance partners' products.

Certified for ClickShare Conference — BARCO

Approved	BOSE · Jabra GN · KONFTEL · logitech · poly · nureva · SENNHEISER · SHURE · vaddio · YAMAHA
Onboarding	LG · signagelive

Compatible with ClickShare Conference — BARCO

Approved	Angekis · audio-technica · ALFATRON · AVer · biamp. · ClearOne. · CTOUCH · DELL · EPOS · HuddleCamHD · PTZOPTICS · Huddly · i3-TECHNOLOGIES · KUDO · Lumens · Legamaster · newline · Panasonic · QSC · SALAMANDER DESIGNS · stem audio · VDO360 · XILICA
Onboarding	42 DIGITAL SIGNAGE · APPSPACE · ATLONA a Panduit company · avocor · AVONIC · BANG & OLUFSEN · BirdDog · BLACK BOX · commbox · EVOKO · Edis · FlatFrog · Heckler · INOGENI · laia · lifesize · Minrray · OWL Labs · StarLeaf · Symetrix · UNIGUEST · vyopta · Yealink

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MEETING ROOM STATUS DISPLAY: VIEW ROOM AVAILABILITY

Immediate overview of the meeting room booking,
ideal for huddle spaces and comfort cruisers
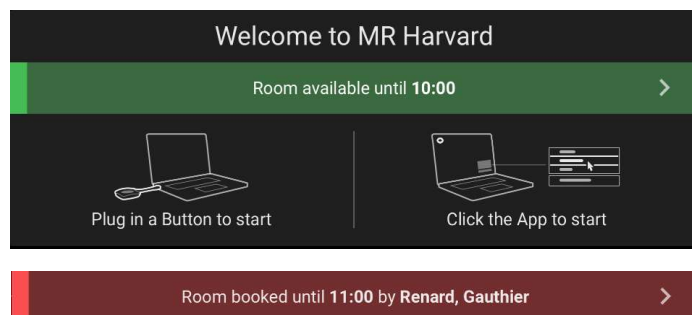
Only O365 room accounts are supported at this moment.
Configuration can be done in XMS cloud only.
Available in XMS cloud as of mid May
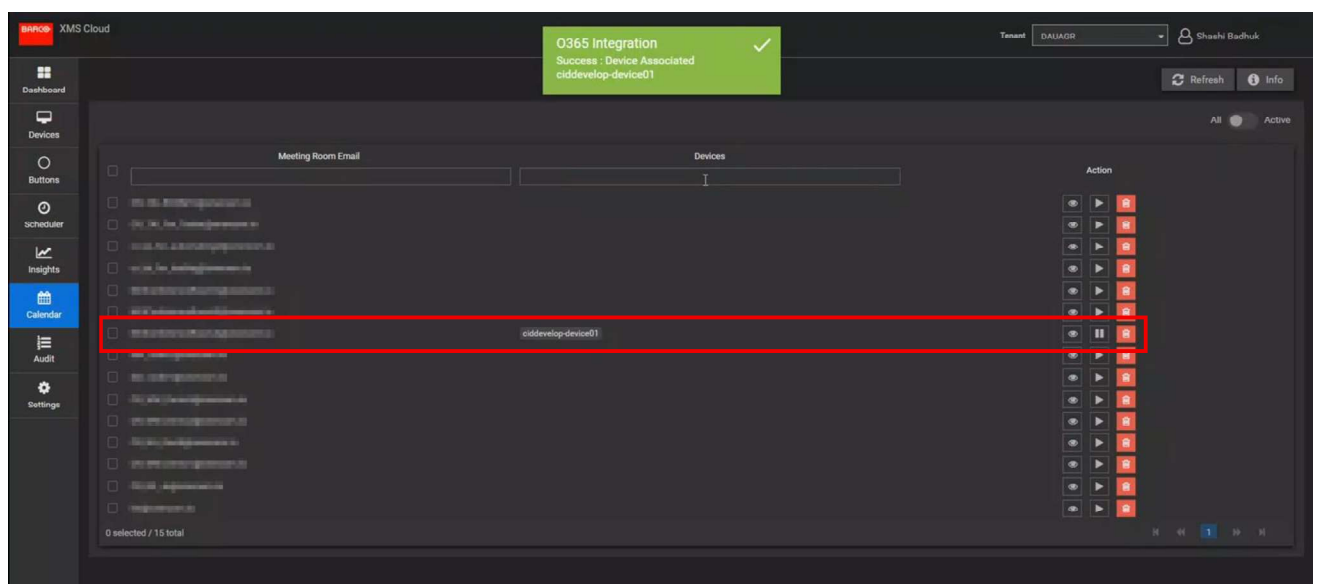
VIEW ROOM AVAILABILITY : HOW TO CONFIGURE

In XMS cloud, go to the Calendar tab and press the Connect Button
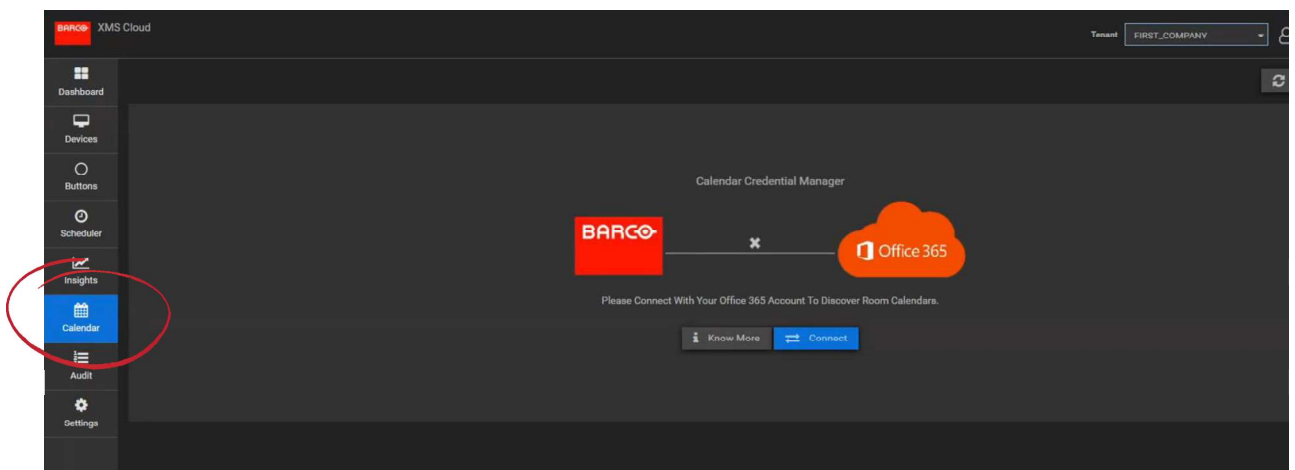
Available in XMS cloud as of mid May

VIEW ROOM AVAILABILITY : HOW TO CONFIGURE

Log in with your O365 account and the meeting room accounts will show up on the left side, where they can be linked to Base Units.

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MIRACAST SUPPORT ON CX-20 AND CX-30

Share your way! Now also on the CX-20 and CX-30 with additional Miracast support

To enable Miracast over Wi-Fi direct,
disable the access point of the CX-20 or CX-30
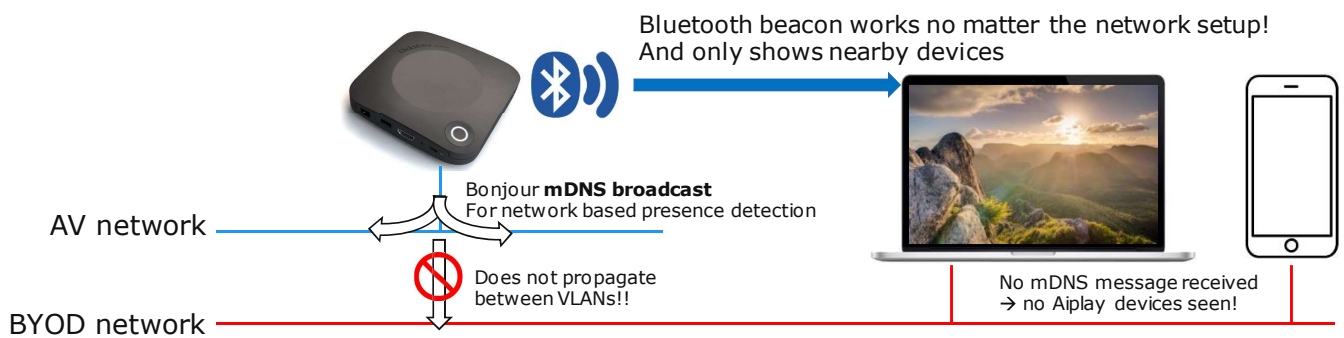and turn on 'Miracast' in the services page.

This will disable the access point and requires
Buttons to be integrated into the network.
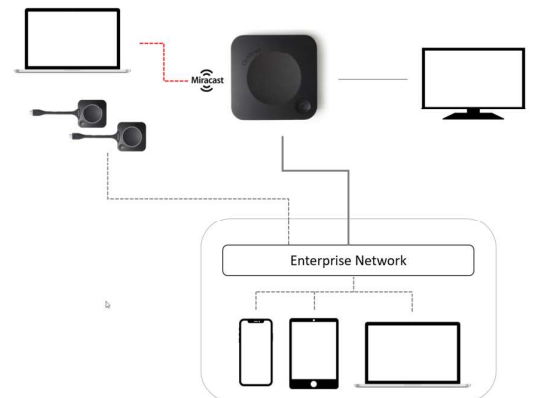
We aim to support Miracast Over the Infrastructure and Miracast
with the Base Unit's access point turned on by the Q2 Firmware release.

BLUETOOTH PRESENCE DETECTION FOR AIRPLAY

Bluetooth Airplay discovery for easy Airplay discovery, regardless of network setup

Bluetooth beacon works no matter the network setup!
And only shows nearby devices

Bonjour **mDNS broadcast**
For network based presence detection

AV network

Does not propagate
between VLANs!!

No mDNS message received
→ no Aiplay devices seen!

BYOD network

However: Base Unit will only be shown on the laptop/iPhone if the device can set up
a network connection to the Base Unit!

Already available on the CSE range, now also available on the CX products.

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WIRELESS CLIENT AND DUAL NETWORK CONNECTIVITY

Set up wireless connection to
your Base Unit for management

Enable BYOD for guests and employees,
without losing internet connectivity

- Not advised to run Wireless Conferencing through the network!
- **Highly secured**, no bridging or pass-through
- **Dual network support** to deliver the best BYOD experience to both employees and guests
- CX-50 can support **direct Button connections** in a dual network setup
- Support for **DFS channels with client mode** on the Base Unit

CONCURRENT CONNECTIVITY MAKES THE CX-50 THE IDEAL DEVICE FOR NETWORK INTEGRATION

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CX-50: concurrent connectivity
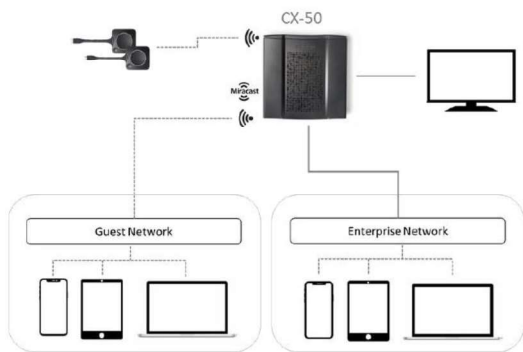
When in dual network setup or client mode, **Buttons can connect directly to the Base Unit** for maximum performance and best user experience for Wireless Conferencing.

CX-20/CX-30: no concurrent connectivity
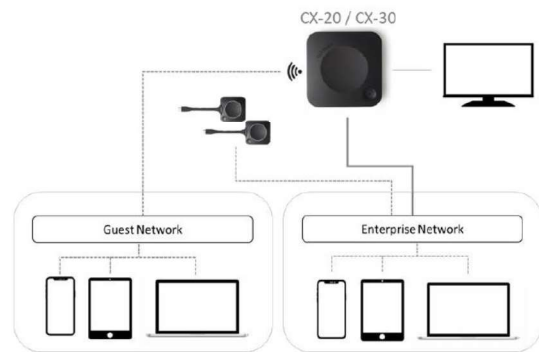
When in dual network setup or client mode, **Buttons must be integrated into the corporate network,** a setup which is (currently) **only recommended for Wireless Presentation**. Connecting the Buttons into a network where the Base Unit is connected by client mode, is not advised for Wireless Conferencing.

A direct Button – Base Unit connection is THE recommended mode of operation for Wireless Conferencing

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GO FOR FULL INTEGRATION WITH BUTTON NETWORK INTEGRATION

- Mainly for **wireless presentation!** (wireless conferencing in preview)
- **Highly secured**, no bridging or pass-through
- Buttons can connect to a **corporate wireless network** or directly to the Base Unit. For wireless conferencing, a direct Base Unit connection is still advised
- Support for **DFS channels** when integrated into corporate network
- Advised to keep the Access Point of the Base Unit turned on for presence detection of the ClickShare Apps

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GENERAL GUIDELINES FOR NETWORK INTEGRATION AND APP BASED CONFERENCING

Direct Button – Base Unit connection is still THE advised setup for Wireless Conferencing!

- When integrating Buttons into the corporate network or using App-based Conferencing:
  - Client Mode not to be used for Wireless Conferencing (App or Button), this should always go over the LAN
  - Correct ports should be open!
  - Ensure shortest route in network, reserve enough bandwidth and apply QoS if possible
  - Disable channel switching/hopping, this will cause Button disconnects
  - Keep the Access Point turned ON for APP presence detection
    - The Access Point can be set to hidden with a secret password and on 2.4Ghz to not interfere with corporate Wi-Fi environments

- For App-based Conferencing:
  - Drivers to be installed on a PC with admin rights
  - Up to date ClickShare Desktop App installed (4.13 or higher)
  - To be used with CX Firmware 2.8 or higher.

NETWORK DEPLOYMENT GUIDE

Updated with:

- More recommendations for setup
- Details and requirements for App-based Conferencing and Button network integration
- New information on Miracast capabilities for all CX devices

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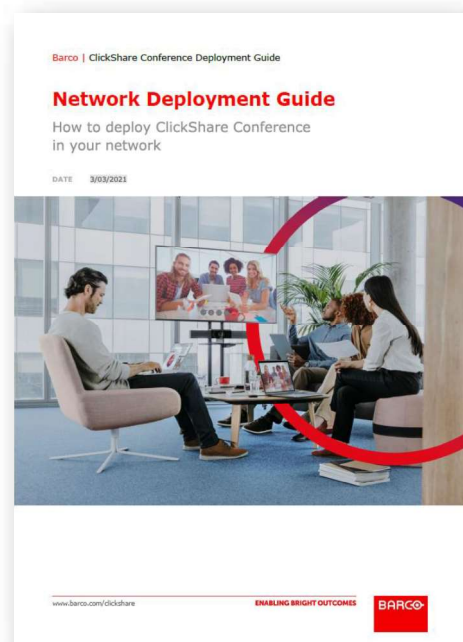
CS(E) 1.11.1 BUGFIX RELEASE

Bugfix release

- ~10 reported bugs fixed
- Minor Security improvements
- Miracast improvements for CSE-200+

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![BARCO]

XMS: A HIGHLY SECURE PLATFORM

## ISO 27k certification

Audit logs

Creates a log of all actions performed by all users on a tenant. Clicking on the action shows additional information.

SMARTCARE INFORMATION AND TENANT INFORMATION CAN NOW BE FOUND IN WEB CONFIGURATOR

Security

System

Base Unit Status

Date & Time

Energy Savers

Buttons

Blackboard

XMS

Support & Updates

XMS Cloud

Device connected to https://xms   .barco.cloud

Organization account: Barco N.V

Click HERE to remove this device from this organization

SmartCare

SmartCare active, valid until March 9, 2026.
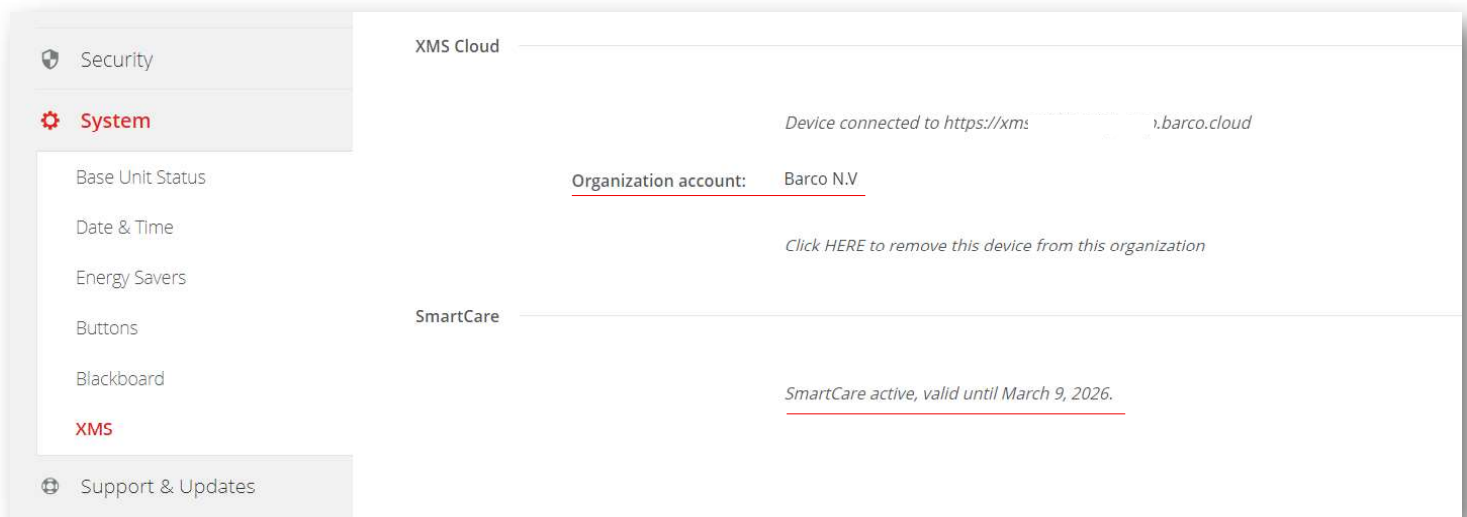
# IN CASE SMARTCARE HAS NOT YET BEEN CLAIMED, A WARNING WILL BE SHOWN ON THE WEB CONFIGURATOR
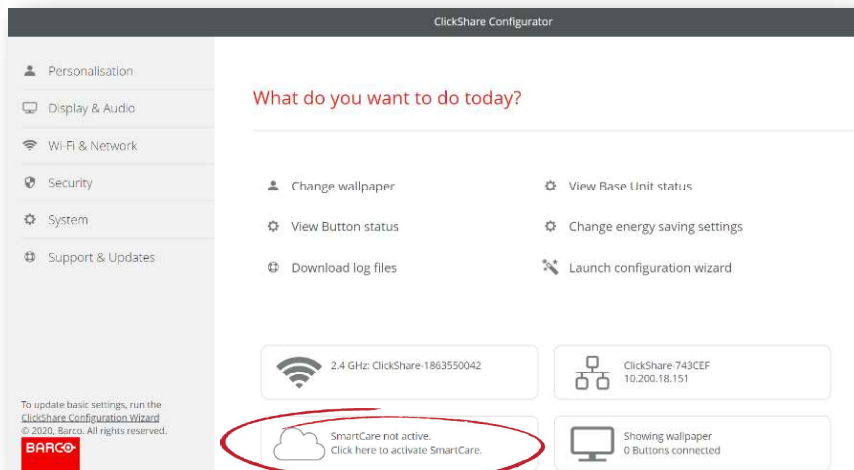
Note:
- It can take up to 24 hours for the SmartCare state to be correct!
- Demo and seeding units will not have this information

SmartCare must be claimed within 6 months after first time setup
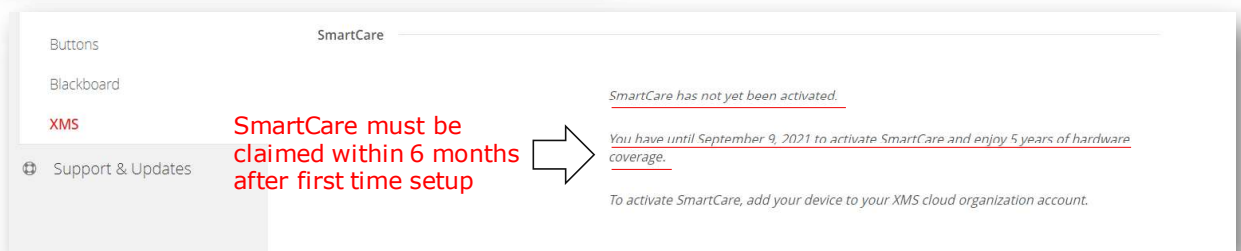
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PERIPHERAL MANAGEMENT

Keep your **peripherals up-to-date** and compatible by installing a **Barco Certified Peripheral Firmware** through the configurator.

The peripheral management functionality is developed in co-operation with our **strategic ClickShare Conference partners** and will first be available for **Logitech Rally** devices
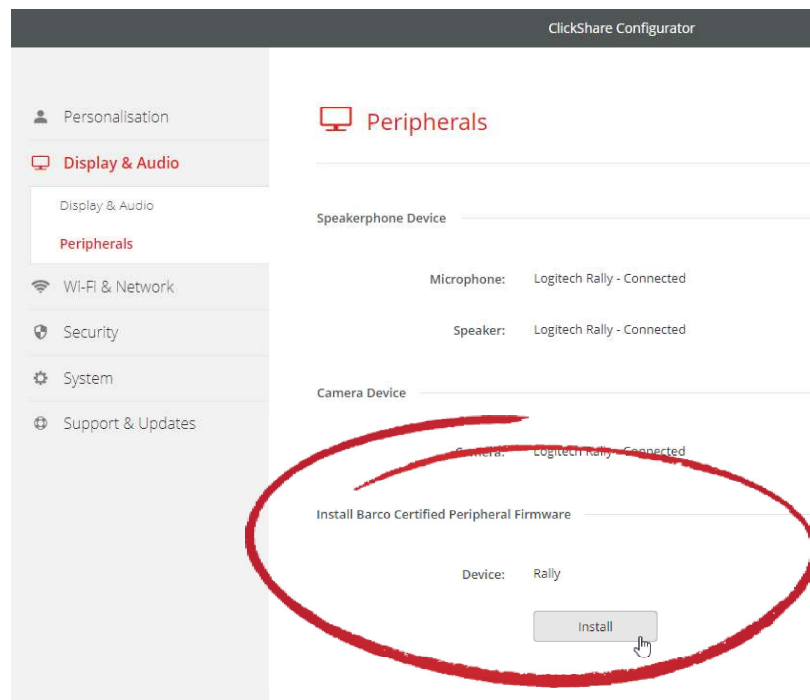
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ENABLING BRIGHT OUTCOMES

| youtube.com/BarcoTV

| linkedin.com/company/Barco

| twitter.com/Barco

| facebook.com/Barco