

**Cisco Room Kit EQX / EQ / Pro dual screen
presentation with Lightware UCX-4x3-HCM40**



1. Introduction

This document is an application note for the Lightware UCX-4x3-HCM40 single USB-C input connectivity to share dual screen content on Cisco Room Kit EQX, EQ and Pro* devices.

Works in MTR and RoomOS experience.

Out of call, the shared content is native UHD or 4K.

*Room Kit Pro setup requires additional Inogeni 4KX-PLUS HDMI to USB converter.

2. Applicable Devices

- Cisco Room Kit EQX
- Cisco Room Kit EQ
- Cisco Room Kit Pro (with Inogeni 4KX-PLUS)
- Cisco Codec EQ
- Cisco Codec Pro
- Lightware UCX-4x3-HCM40

3. How does it work

In RoomOS experience:

Tap on the Share Screen menu on the Cisco Room Navigator.

First select the source for the right display. (This will share on both displays.)

Then select the source for the left display. (This will have the second shared on the right screen.)

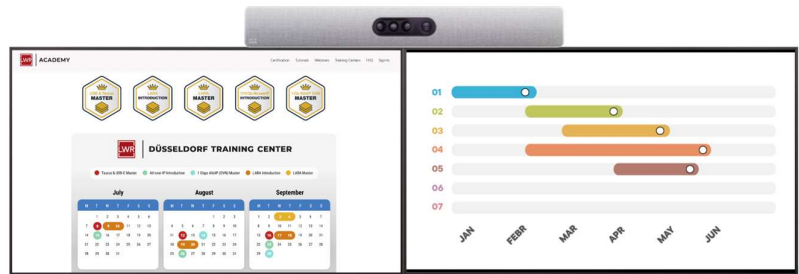
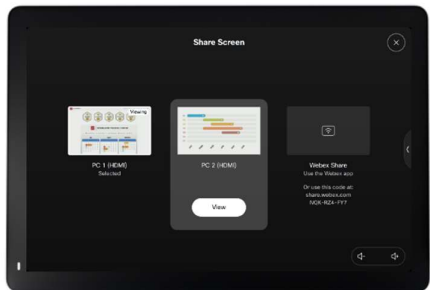
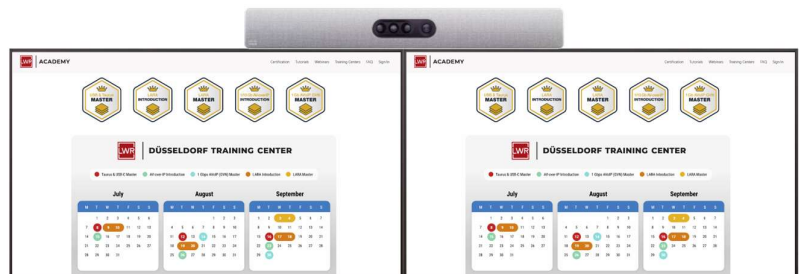
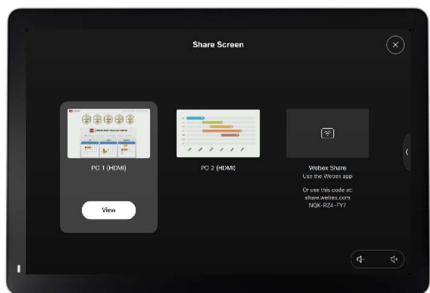
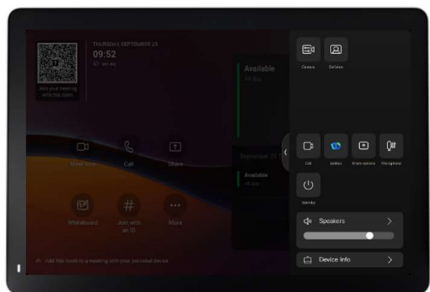
In MTR experience:

Make a swipe on the Cisco Room Navigator to open the Share Screen menu.

First select the source for the left display. (This will share on both displays.)

Then select the source for the right display. (This will have the second shared on the the right screen.)

Find the three steps in the images below, made in MTR mode:



4. System setup

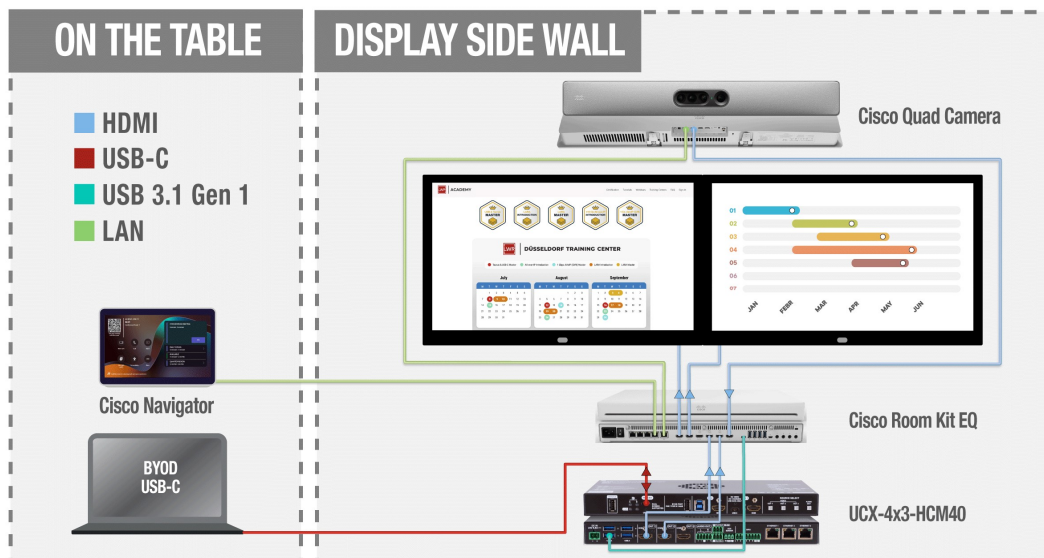
Cisco codec outputs directly connected to the displays.

Output 1 connected to left display and output 2 connected to right display.

UCX-4x3-HCM40 output 1 and 2 directly connected to Cisco codec HDMI inputs 2 and 3 (input 1 used for camera connection).

UCX output 1 connected to Cisco codec input 2 and output 2 is connected to input 3.

The system connection example below uses Cisco Room Kit EQ in MTR experience.



5. Configuration

Cisco Room Kit EQX / EQ / Pro

Sharing settings being set to default and no external sources preconfigured.

Lightware UCX-4x3-HCM40

Device in factory default. LARA not used.

Cisco codec input's EDID emulated to all input of UCX-4x3-HCM40.

Factory					Emulated				
Me...	Manu...	Resolution	Audio	Monitor Name	Me...	Manu...	Resolution	Audio	Monitor Na...
D1 (Cod...	CIS	3840x2160p30.0...	2chLPCM	CS-KITEQ-2	E1A (USB-C	CIS	3840x2160p30.00...	2chLPCM	CS-KITEQ-2
D2 ()	CIS	3840x2160p30.0...	2chLPCM	CS-KITEQ-3	E1A_LOW	CIS	3840x2160p30.00...	2chLPCM	CS-KITEQ-2
D3 ()	N/A	N/A	N/A	N/A	E1B (USB-C	CIS	3840x2160p30.00...	N/A	CS-KITEQ-3
					E1B_LOW	CIS	3840x2160p30.00...	N/A	CS-KITEQ-3
					E2 ()	CIS	3840x2160p30.00...	2chLPCM	CS-KITEQ-2
					E3 ()	CIS	3840x2160p30.00...	2chLPCM	CS-KITEQ-3

All input of UCX-4x3-HCM40 configured with HDCP disabled.

INPUT 1 - USB-C IN 1A

GENERAL

Port name: USB-C in 1A

Lock/Mute: ☐ Lock ☐ Mute

Connected: ☒

Signal present: ☒

HPD Mode: Auto

Resolution @ Refresh Rate: 3840x2160@30Hz

Allowed HDCP Version: Off

HDCP 2.2 signal handling is limited to up to two ports at the same time.

INPUT 1 - USB-C IN 1B

GENERAL

Port name: USB-C in 1B

Lock/Mute: ☐ Lock ☐ Mute

Connected: ☒

Signal present: ☒

HPD Mode: Auto

Resolution @ Refresh Rate: 3840x2160@30Hz

Allowed HDCP Version: Off

HDCP 2.2 signal handling is limited to up to two ports at the same time.

I1A routed to O1, I1B routed to O2. USB host 1 selected.

Video & Audio

USB

VIDEO

USB C IN 1		USB C IN 2		WELCOME SCREEN	
USB-C IN 1A	11A	USB-C IN 1B	11B	I2	I3

CODEC IN

O1

O2

O3

6. Limitations

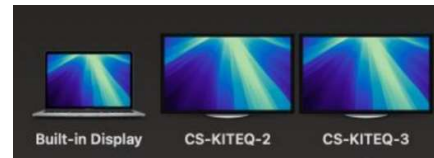
BYOD Experience

The connected laptop will sense two connected display, even if you share one screen.

Both Windows and macOS can be used with their desktop settings.



Windows 11



macOS Sequoia

InCall sharing

In Webex or Teams call, only one screen can be shared.

Dual content sharing can work only out of call.

In Teams call the shared content resolution will be scaled to FullHD or 2K instead of UHD or 4K.

Version	Comment	Date	Editor
1.0	Initial version	25 th of September 2025	Zoltan Gyorfi
1.1	Corrections, additional info	3 rd of October 2025	Zoltan Gyorfi