

Release Notes

RN Date: May 2024

Reference: 009625

Table of Contents

<i>Software Revisions:</i> -----	1
<i>Kramer Product Affected:</i> -----	1
<i>Available product bundles:</i> -----	2
<i>What's New</i> -----	2
<i>Known Limitations</i> -----	3
<i>Device certifications</i> -----	6
<i>Certified Solutions</i> -----	6
<i>[HR2] – MTR Huddle Room</i> -----	8
<i>[SR4] – MTR/BYOD meeting room</i> -----	9
<i>[MR2] – Medium sized MTR meeting room</i> -----	11
<i>[LR2] – Large MTR meeting room</i> -----	13
<i>[BR2] MTR Boardroom</i> -----	16
<i>Certified Products</i> -----	18

Software Revisions:

Type	Revision	Date	Remarks
Firmware	2.2.334 & 2.2.335	May 2024	Revisions 2.2.334 & 2.2.335 are identical
Microsoft Teams Application	2023062301	23.6.2023	

Kramer Product Affected:

Kramer Name	Kramer PN	AudioCodes Name	AudioCodes PN	Remarks
KAC-CU-200	78-80011390	RXV-200	GGWV00794	Kramer Microsoft Teams Room Compute Device, 4 USB A ports, 2 HDMI out, 1 HDMI in for content sharing
KAC-BAR-81	78-80011190	RXV-81	GGWV00792	All in one Microsoft Teams Rooms room compute and video bar
KAC-BAR-81RC	78-80011290	RXV-81RC	NA	Remote Control for KAC-BAR-81
KAC-TCH-10	78-80011890	RX-PAD	GGWV00793	Touch Controller for Microsoft Teams rooms on Android
KAC-SCD-10	78-80011790	RX-PANEL	GGWV00781	Meeting room touch scheduler for Microsoft Teams Rooms



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Kramer Name	Kramer PN	AudioCodes Name	AudioCodes PN	Remarks
KAC-CAM-50M	78-80011490	RXVCam50M	GGWV00796	4K camera intended for medium and small meeting rooms
KAC-SPK-15	78-80011690	RX-15	GGWV00797	Speakerphone
KAC-SPK-40	78-80012090	RX-40	GTPM01250	USB-powered Audio bar with two satellite microphones

Available product bundles:

Kramer Bundle Name	Kramer Bundle PN	AudioCodes bundle name	Contains	Remarks
KAC-BAR-81-B10	78-80012190	RXV81-B10	KAC-BAR-81 & KAC-TCH-10	In this bundle the KAC-BAR-81 arrives without the KAC-BAR-81RC remote control
KAC-CU-200-B05	78-80012290	RXV200-B05	KAC-CU-200 & KAC-TCH-10	
KAC-CU-200-B20	No part number	RXV200-B20	KAC-CU-200 & KAC-TCH-10 & KAC-CAM-50M & KAC-SPK-15	
KAC-CU-200-B40	No part number	RXV200-B40	KAC-CU-200 & KAC-TCH-10 & KAC-CAM-50M & KAC-SPK-40	

What's New

This is the first release of the co-branded Kramer-AudioCodes MTR product line & solutions. This release includes **devices firmware versions 2.2.334 & 2.2.335 (which are identical) and Microsoft teams app version 2023062301.**



- MTRA = Microsoft Teams Room for Android
- MTRA in this guide refers to both KAC-BAR-81 & KAC-CU-200



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Known Limitations

Known limitations in Microsoft Teams app version 2023062301:

Kramer ID	AudioCodes ID	Description	Workaround
	IPPAN-5082	When using right-to-left languages (Hebrew, for example), the soft dial pad and displayed dial string are reverted.	
	IPPAN-2510	An incorrect date format is displayed when the current language is Simple Chinese.	
		In some cases, signing in as User B after the device was Used by user A does not proceed flawlessly.	Restore to default is consequently recommended after signing out.
	IPPAN-10817	[MTR on Android] There is no video in third-party Webex meetings.	
	IPPAN-10643	[KAC-TCH-10] There's a delay on KAC-TCH-10 when you answer a call. It's immediately displayed on the monitor but on KAC-TCH-10 the answering and call menus are still displayed after two to four seconds.	



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Device

Known device issues and limitations for v 2.2.334 & 2.2.335:

Kramer ID	AudioCodes ID	Description	Workaround
	IPPAN-10679	When updating the device from Microsoft TAC (Team Admin Center), there is no download progress bar pop-up indication; the indication is presented when the device update starts. The issue has been fixed and is set for the next version release.	
	IPPAN-10371	[KAC-TCH-10] The camera doesn't resume the previous PTZ setting after enabling and disabling Auto-Framing from RX-PAD. The issue has been fixed and is set for the next version release.	
	IPPAN-10853	[KAC-CU-200] If the KAC-Cam-50 was connected while KAC-CU-200 was already turned on, the Auto Framing option might not function. The issue has been fixed and is set for the next version release.	
	IPPAN-9492	[KAC-CU-200] When both HDMI-OUT ports are connected, touching the screen doesn't function.	Single touch screen is supported.
	IPPAN-10549	[RXV81 ad hoc peripherals] On certain occasions, a single press of the volume keys (+ or -) may result in the volume changing by more than one increment. The issue has been fixed and is set for the next version release.	
	IPPAN-10638	[KAC-BAR-81] ad hoc peripherals] On certain occasions, pressing the mute key to mute or unmute results in the 'mute' function not responding. The issue has been fixed and is set for the next version release.	
	IPPAN-10871	[KAC-BAR-81 ad hoc peripherals] Editing a temporary preset via the Camera Settings page is not possible. The feature has been added and is set for the next version release.	



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Kramer ID	AudioCodes ID	Description	Workaround
	IPPAN-10659	[KAC-BAR-81 ad hoc peripherals] At times during conversations, RXV81 audio may experience occasional instability, leading to brief interruptions in voice communication with remote parties. The issue has been fixed and is set for the next version release.	
	IPPAN-10873	[KAC-BAR-81 + Remote Control] On certain occasions, a 'Remote Control is not connected' popup is erroneously displayed, though the RCU functions well. The issue has been fixed and is set for the next version release.	
	IPPAN-10883	[KAC-CU-200 HDMI-IN] In HDMI-ingest mode, the PC audio device is shown as Yamaha CS-800 (RXV200 chip vendor). The issue has been fixed and is set for the next version release.	
KMR-86231		Packet loss in incoming video affects camera of remote participants and content share by remote participants. The issue has been fixed and is set for the next version release.	Limit the Ethernet port to the MTR device to 100Mbps.
KMR-86198		When set to Wi-Fi mode the unit works fine. After reboot the Wi-Fi gets disconnected and needs to be manually re-activated	Manually re-activate the Wi-Fi
KMR-86196		KAC-CU-200 cannot receive 4K in the HDMI content share. When a switch is connected in the entrance (such as SWT3-31-HU or SWT3-41-H - the default EDID is 4K60 and needs to be manually set to 1080P60.	Setup up 1080P60 EDID in the switcher
KMR-86233		From time to time when sharing content in the HDMI input, the content appears on the right display and hides the calendar.	To resolve the issue, Un-share and re-share the content
KMR-86198		HDMI content share inputs in the KAC-TCH-10 is not operational. The feature will be added in the next version release.	
KMR-86198		When an active USB cable is connected to the RXV-200 - there is an alert on high power consumption	Connect the active USB cable with external USB power



Release Notes

Device certifications

Kramer Product name	AudioCodes Product name	FCC	CE	UK CA	Document #
KAC-CU-200	RXV200	√	√	√	LTRT-18307
KAC-BAR-81	RXV81	√	√	√	LTRT-18187
KAC-TCH-10	RX-PAD	√	√	√	LTRT-18305
KAC-CAM-50M	RXVCam50	√	√	√	LTRT-18189
KAC-SPK-15	RX15	√	√	√	LTRT-18164
KAC-SCD-10	RX-PANEL	√	√	√	LTRT-18306
KAC-CAM-CC-10	RXVCam10	√	√	√	LTRT-18188

Certified Solutions

In this section we specified certified solution which were tested and approved.

Solution name	Description	AC products	AC HW versions	Approved AC/FW version	Kramer / 3rd party products	Approved Kramer FW version
MTR huddle room - HR2	Basic MTR room with KAC-BAR-81 wireless content sharing only	KAC-BAR-81	GGWV00792	2.2.334		
		KAC-TCH-10	GGWV00793	2.2.334		
		KAC-SCD-10		2.2.334		
MTR/ BYOD meeting room - SR4	MTR room with Kramer extenders: When connecting a laptop to the USB-C, the room switches to BYOD mode	KAC-BAR-81	GGWV00792	2.2.334	EXT3-C-XR-T	5_4_74
		KAC-TCH-10	GGWV00793	2.2.334	SWT3-21-H	1/0/64863
		KAC-SCD-10		2.2.334	EXT3-POE-XR-R	5_4_74
					EXT3-TR	5_4_74
					EXT3-XR-TR	5_4_74
			WU-CC-M wall plate	N/A		
Medium sized MTR meeting room - MR2	MTR room with CU-200 and SPK-40 / KAM-50 with extended content sharing solutions	KAC-CU-200	GGWV00794	2.2.334	PT-871/PT-872	EP9ICIE_190226
		KAC-TCH-10	GGWV00793	2.2.334	TP-583T/TP-583R	EP9ICIE_190226
		KAC-CAM-50	GGWV00796	2.2.334	EXT3-C-XR-T/ EXT3-TR	5_4_74
		KAC-SCD-10		2.2.334	EXT3-C-XR-T/ EXT3-POE-XR-R	5_4_74
		KAC-SPK-40		2.2.334		
Large MTR meeting room	Large MTR meeting room	KAC-CU-200	GGWV00794	2.2.334	SWT3-31-HU	1.0.65072
		KAC-TCH-10	GGWV00793	2.2.334	AFM-200SP-AEC	01.01.0005



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Solution name	Description	AC products	AC HW versions	Approved AC/FW version	Kramer / 3rd party products	Approved Kramer FW version
MTR Large meeting room - LR2		KAC-SCD-10		2.2.334	FC-404NETxl	1.1.63733
					K-CAM4K	1.1.70
MTR Boardroom-BR2	Boardroom	KAC-CU-200	GGWV00794	2.2.334	SWT3-41-H	
		KAC-TCH-10	GGWV00793	2.2.334	SWT3-31-HU	
		KAC-SCD-10		2.2.334	AFM-200SP-AEC	
					FC-404NETxl	
					K-CAM4K	
3 rd party equipment					Shure P-300 DSP	
					Sennheiser TCC's ceiling mic	
					Sony MAS-A100 ceiling mic	



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

[HR2] – MTR Huddle Room

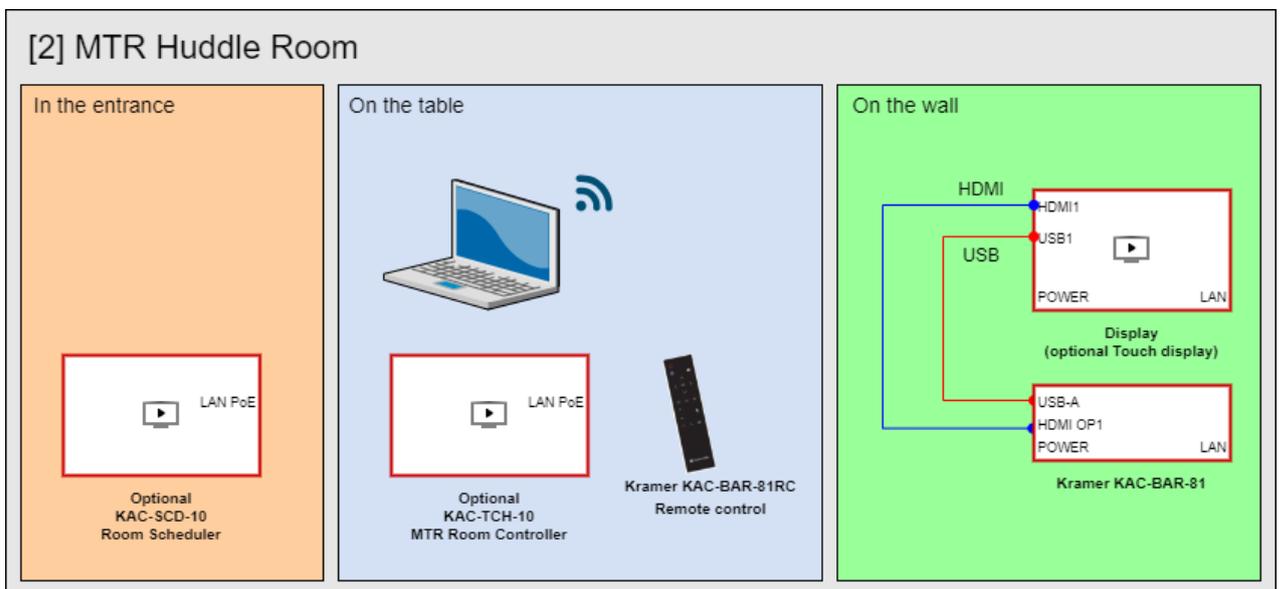
Kramer's MTR Huddle Room Solution is a user-friendly & cost-effective solution for a huddle room. The user can initiate a teams meeting by a click of a button.

The user can share content to the display or to the meeting from his laptop.

The control of the meeting is done either by the touch display, by the KAC-BAR81-RC remote control or by the MTR controller (KAC-TCH-10).

The room can be fitted with an optional room scheduler (KAC-SCD-10).

The solution is certified by Microsoft.



Solution BOM

P/N	Model	Description	QTY
Active Equipment			
78-80012190	KAC-BAR-81-B10	Bundle of KAC-BAR-81 + KAC-TCH-10	1
78-80011790	KAC-SCD-10	Meeting room touch scheduler for MTR	1
Cables			
97-0101003	C-HM/HM-3	Certified HDMI (Male-Male) cable (3")	1
96-0215003	C-USB/AB-3	USB 2.0 A(M) to B (M) Cable-3ft	1



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

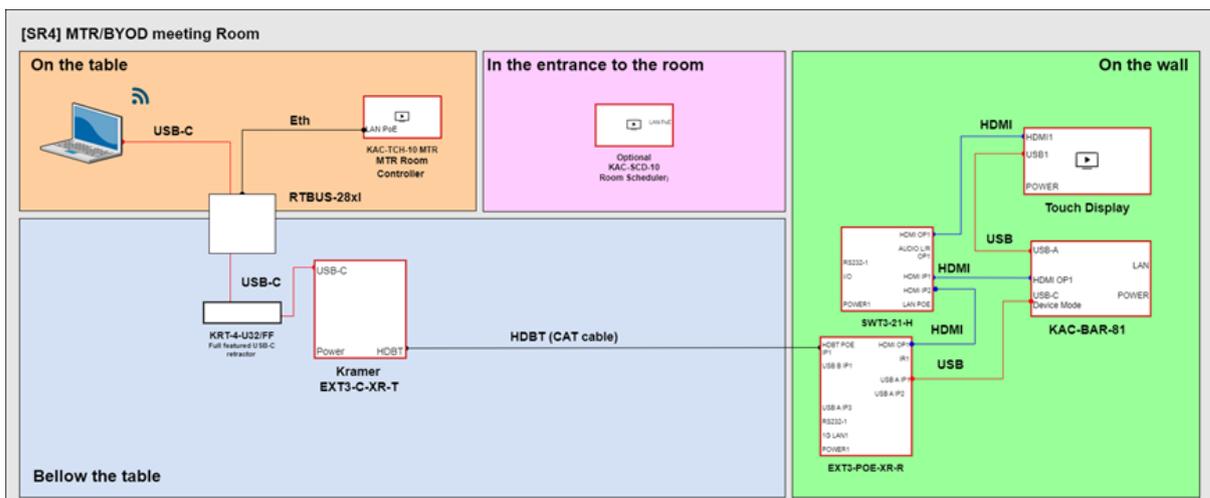
[SR4] – MTR/BYOD meeting room

Kramer’s unique MTR/BYOD meeting room solution is a simple solution for small to medium meeting rooms that provides an MTR solution based on Kramer’s all-in-one KAC-BAR-81 unit.

When laptop is connected to the USB-C cable on the table the room switches to BYOD mode presenting 4K video to the display and using the KAC-BAR-81 as a peripheral (camera, microphone and speaker and the laptop is charged (60W) and can receive wired LAN.

By disconnecting the USB-c cable the room automatically switches back to MTR mode.

In MTR mode the room is controlled by the KAC-TCH-10, the MTR room controller.



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

HR4 Solution BOM

P/N	Model	Description	QTY
Active Equipment			
78-80012190	KAC-BAR-81-B10	Bundle of KAC-BAR-81 + KAC-TCH-10	1
78-80011790	KAC-SCD-10	Meeting room touch scheduler for MTR	1
50-80579090	EXT3-C-XR-T	USB-C AV + USB + GE 60W – charge 40m PoE + HDMI out	1
50-80580090	EXT3-POE-XR-R	100m Rx Extender: AV + USB + GE + 2-Way PoE + HDMI out	1
20-80593090	SWT3-21H	4K60 4:4:4 4X1 HDMI Switcher with audio and control	1
TBUS			
80-00030199	RTBUS-28XL(BC)	Round Table Connection Bus for Power Socket, USB Charging and Cable Pass-Throughs	1
80-00027999	KRT-4-U32/FF	USB type-C cable retractor for data, video and charging	1
91-000099	C-AC/US	AC-POWER-CORD-6ft/110V	1
Cables			
99-3460050	C-UNiKat-50	Four-pair U/FTP Cable assembly for DGKat, HDBaseT and LAN-50	1
97-0131003	C-MHM/MHM-3	Flexible High-Speed HDMI Cable with Ethernet	2
96-0230003	C-USB3/AA-3	USB 3.0 A (M) to A (M) Cable – 3ft	



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

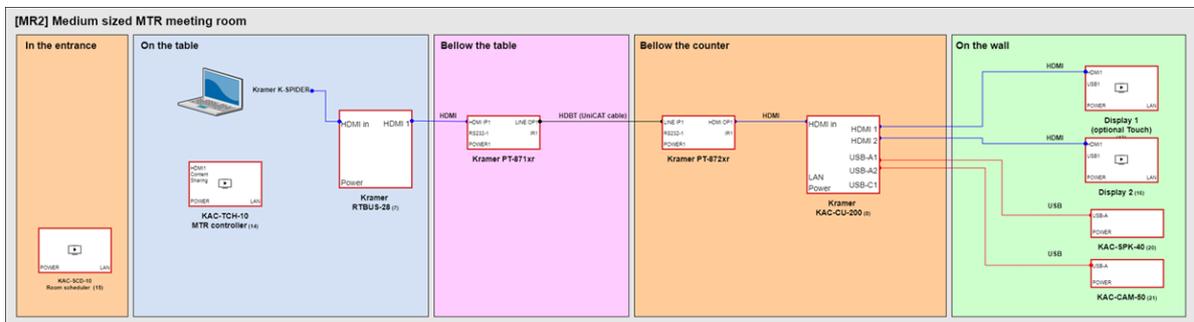
[MR2] – Medium sized MTR meeting room

Kramer's medium sized MTR meeting room solution is a competitive and robust MTR solution optimized for medium sized meeting rooms with a single content sharing point.

This solution is for a room with a single or dual display and audio that fits that room size (KAC-SPK-40 sound bar)

- The room enables 2 ways of content sharing:
- Via cloud (teams app)
- Wired with USB-C (including 60W charging)

The switch between the options is automatic (“last connected”).



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

MR2 Solution BOM

P/N	Model	Description	QTY
Active Equipment			
78-80012190	KAC-BAR-81-B10	Bundle of KAC-BAR-81 + KAC-TCH-10	1
78-80011790	KAC-SCD-10	Meeting room touch scheduler for MTR	1
50-80579090	EXT3-C-XR-T	USB-C AV + USB + GE 60W – charge 40m PoE + HDMI out	1
50-80580090	EXT3-POE-XR-R	100m Rx Extender: AV + USB + GE + 2-Way PoE + HDMI out	1
20-80593090	SWT3-21H	4K60 4:4:4 4X1 HDMI Switcher with audio and control	1
TBUS			
80-00030199	RTBUS-28XL(BC)	Round Table Connection Bus for Power Socket, USB Charging and Cable Pass-Throughs	1
80-00027999	KRT-4-U32/FF	USB type-C cable retractor for data, video and charging	1
91-000099	C-AC/US	AC-POWER-CORD-6ft/110V	1
Cables			
99-3460050	C-UNiKat-50	Four-pair U/FTP Cable assembly for DGKat, HDBaseT and LAN-50	1
97-0131003	C-MHM/MHM-3	Flexible High-Speed HDMI Cable with Ethernet	2
96-0230003	C-USB3/AA-3	USB 3.0 A (M) to A (M) Cable – 3ft	



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

[LR2] – Large MTR meeting room

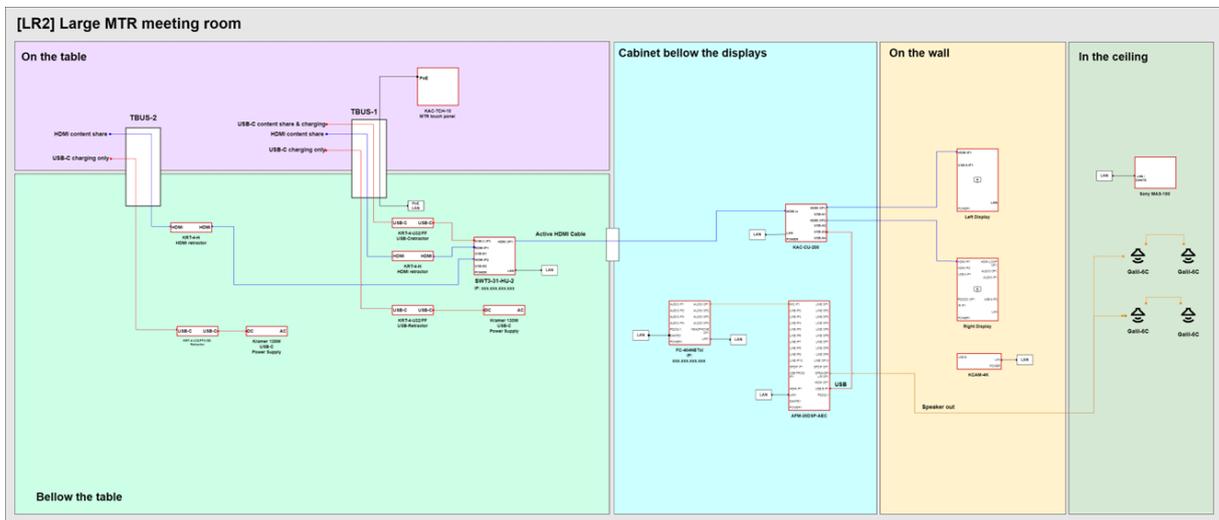
Kramer's Large MTR meeting room solution is an advanced MTR solution optimized for large meeting rooms.

This solution is for a room with a single display (possibly a 21:9) or a dual display and audio that fits that room size (DSP, ceiling microphone and ceiling speakers).

The room enables 3 ways of content sharing:

- Via cloud (teams app)
- Wired with USB-C (including 60W charging)
- Wired with HDMI

The switch between the different content sharing options is automatic (“last connected” mode).



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

LR2 Solution BOM

P/N	Model	Description	QTY
Active Equipment			
78-80012290	KAC-CU-200-B05	KAC-CU-200 + KAC-TCH-10	1
78-80011790	KAC-SCD-10	Meeting room scheduler	1
50-80583090	SWT3-31-HU	USB-C AV + USB + GE 60W – charge 40m PoE + acc Tx	1
13-80451330	AFM-20DSP-AEC	20 port interchangeable multi-channel DSP & Bidirectional class-compliant USB Audio HDMI 4K 60 4:4:4 mic Auto mixer & AEC	1
59-80559090	FC-404NETXL	4x4 Audio and Dante Mixer	1
87-80011290	K-CAM4K	4K PTZ Camera	1
82-500678	GALIL 6-C (Pair)	6.5" Closed-back 2-Way Ceiling Speakers	2
TBUS 1			
91-000037	TBUS-10XL(B)	Table Mount Modular Multi-Connection solution	1
80-000040	T10F-33	TBUS-10 Inner Frame for 3 power sockets and 3 insert	1
80-001899	TS-2U	TBUS UNIVERSAL 2X Power socket assembly	1
60-000150	WCP(B)	Wall Plate Insert – Cable Pass Through	2
80-00027999	KRT-4-U32/FF	Cable Retractor, USB-C 3ft	1
80-00027999	KRT-4-H	Cable Retractor, HDMI- 8ft	1
91-000139	TS-UC	2 USB Charging in a power bracket module	1
85-820299	W-BLANK (B)	Wall Plate Insert – Blank Slot Cover Plate	1
91-000199	C-AC/EU	AC-POWER-CORD-RIGHT-ANGLE/6ft/220V	2
TBUS 2			
91-000037	TBUS-10XL(B)	Table Mount Modular Multi-Connection solution	1
80-000040	T10F-33	TBUS-10 Inner Frame for 3 power sockets and 3 insert	1
80-001899	TS-2U	TBUS UNIVERSAL 2X Power socket assembly	1
60-000150	WCP(B)	Wall Plate Insert – Cable Pass Through	2
80-00027999	KRT-4-U32/FF	Cable Retractor, USB-C 3ft	1
80-00027999	KRT-4-H	Cable Retractor, HDMI- 8ft	1
91-000139	TS-UC	2 USB Charging in a power bracket module	1



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

P/N	Model	Description	QTY
85-820299	W-BLANK (B)	Wall Plate Insert – Blank Slot Cover Plate	1
91-000199	C-AC/EU	AC-POWER-CORD-RIGHT-ANGLE/6ft/220V	2
Cables			
97-0101035	C-HM/HM-35	Flexible High-Speed HDMI Cable with Ethernet	2
99-3460100	C-UNIKat-100	Four-Pair U/FTP Cable assembly for DGKat, HDBaseT and LAN-100	1
97-0101003	C-HM/HM-3	HDMI (Male-Male) Cable (3)	2



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

[BR2] MTR Boardroom

Kramer's MTR boardroom solution is a cutting-edge solution for the company's board room enabling MTR meeting with flexible content sharing options.

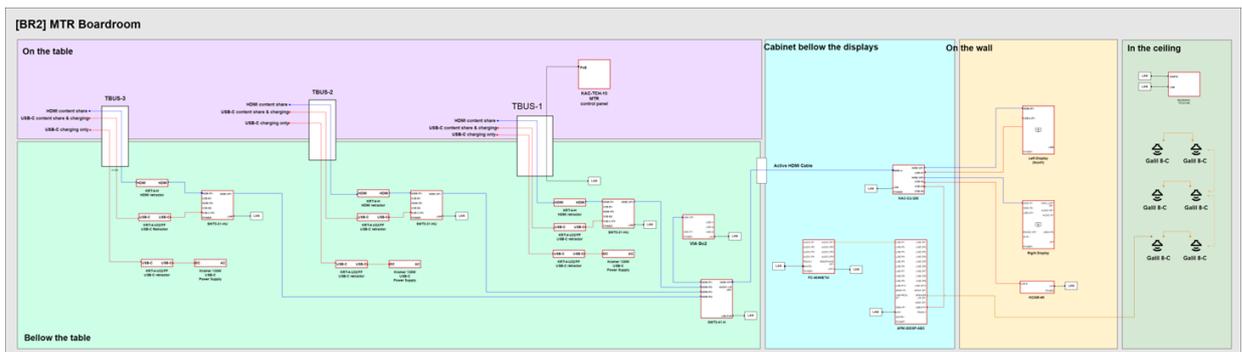
This solution is for a room with a single display (possibly a 21:9) or a dual display and audio that fits that room size (DSP, ceiling microphone and ceiling speakers).

The room enables 4 ways of content sharing:

- Wireless (peer to peer using VIA)
- Via cloud (teams app)
- Wired with USB-C (including 60W charging)
- Wired with HDMI

The switch between the different content sharing options is automatic ("last connected" mode).

Content sharing is enabled from any sit in the room (wireless + any of the TBUS units)



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

BR2 Solution BOM

P/N	Model	Description	QTY
Active Equipment			
78-80012290	KAC-CU-200-B05	KAC-CU-200 + KAC-TCH-10	1
78-80011790	KAC-SCD-10	Meeting room touch scheduler for Microsoft Teams Rooms	1
50-80583090	SWT3-31-HU	USB-C AV + USB + GE 60W – charge 40m PoE + acc Tx	1
20-80593190	SWT3-41-H	4K60 4:4:4 4x1 HDMI Switcher with audio and control	1
87-80011290	K-CAM4K	4K PTZ Camera 71-degree Wide -angle Lens & 12 x Optical Zoom	1
13-80451330	AFM-20DSP-AEC	20 port interchangeable multi-channel DSP & Bidirectional class-compliant USB Audio HDMI 4K 60 4:4:4 mic Auto mixer & AEC	1
59-80559090	FC-404NETXL	4x4 Audio and Dante Mixer	1
87-80011290	K-CAM4K	4K PTZ Camera	1
60-000057	GALIL 8-C (Pair)	8" Closed-back 2-Way Ceiling Speakers	3
87-000190	VIA-GO2	Wireless presentation device	1
TBUS (X3)			
80-00027199	TBUS-20XL WAVES	Table Connection Bus	1
80-00028499	T20F-64	Inner Frame for TBUS-20W	1
80-00027999	KRT-4-U32/FF	Cable Retractor, USB-C 3ft	2
80-00027999	KRT-4-H	Cable Retractor, HDMI- 8ft	1
91-000199	C-AC/EU	AC-POWER-CORD-RIGHT-ANGLE/6ft/220V	2
60-000150	WCP(B)	Wall Plate Insert – Cable Pass Through	3
80-001899	TS-2U	TBUS UNIVERSAL 2X Power socket assembly	2
91-000139	TS-UC	2 USB Charging in a power bracket module	2
3rd Party Equipment			
	TCC2	Sennheiser ceiling microphone	2



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com

Release Notes

Certified Products

Kramer's MTR boardroom solution is a cutting-edge solution for the company's board room enabling.

Product Name	PN#	Version
SWT3-31-HU	50-80583090	1.0.65072
SWT3-41-H	20-80593190	1.0.64863
K-CAM4K	87-80011290	1.1.70
AFM-20DSP-AEC	13-80451330	01.01.0005
FC-404NETXL	59-80559090	1.1.63733
GALIL-8-C(PAIR)	60-000057	N/A



KRAMER ELECTRONICS, Ltd.

E-mail: info@kramerav.com

Web: www.kramerav.com