

Over IP Control system

AVP-Controller-100 & AVP-Controller-101





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Console Overview

Over_ip_console is a comprehensive software solution that enables remote control of AV equipment. Compatible with Windows and macOS, it offers a user-friendly interface for configuration. The software supports multiple control methods, including PC software, web UI, and iOS app. To prioritize security, it allows for the creation of custom user accounts and permissions. Additionally, a failover mechanism is in place to prevent service interruptions in case of device disconnections. With Over_ip_console, users can easily monitor live feeds and make adjustments to settings from anywhere.



Device Connection

- 1. Connect the PC to Encoder using HDMI Cable [,] then connect to Network Switch via Ethernet cable (Cat. 5e) [,]
- 2. Connect the monitor to Decoder using HDMI Cable , then connect to Network Switch via Ethernet cable (Cat. 5e) 。

Software Setup How-to Guide

- Starting over_ip_console
- 1. Start the over_ip_console.exe (Windows)

Name	Date modified	Туре	Size	
📒 data	9/5/2024 9:05 AM	File folder		
bitsdojo_window_windows_plugin.lib	8/19/2024 9:48 AM	LIB File	180 KB	
B B was stadened in	0/16/2024 0-24 AM	A E E A	17 75 4 1/0	
	0/ 10/ 2021 2/21/1/1	Application electron	11,12110	
🗘 over_ip_console	9/4/2024 5:52 PM	Application	210 KB	
over_ip_console over_ip_console.exp	9/4/2024 5:52 PM 9/4/2024 5:52 PM	Application EXP File	210 КВ 1 КВ	

Start the over_ip_console.exe (MAC)

 To Decompress Over_IP_Console



b. After Decompressed, Press new icon for over_ip_console





3. Before login , need to setup IP Address for Controller (Default : Lan1 192.168.1.102 ,Lan2 192.168.0.102

•	代 System Settings	×
💦 AV Over IP	CBS Key UI Name/IP CBS(Primary) 192.168.1.102	٦
🐣 Please enter username	CBS(Secondary I)	
🗄 Please enter password	CBS(Secondary II)	
English 🗸 🗖 Remember Password		
Login		
	OK Canc	el

- 4. Log in as a User (Default username : admin ; Default password : admin) •
- 5. Create a new Project

OL AV Over IP >>>				test	9		
Decoder Statch Grouping	N → + -	Layout Display Bar			Encoder 📾	atch Grouping	
Preview	List				Preview		List
Name Type	No. Hostname				Name	Type No.	
					Ungrouped	Group	
		🕅 Create Pr	oject	*			
			e				
		Project Name	Please enter the project	tname			
				Cancel			

6. After created,Controller will start search automatically , You will see all devices for Encoder / Decoder / Other Device



🕂 AV Ov	er IP					New Project	🕒 admin 🗕 🗆 🗙
Decoder 📾 Ba	tch Group	ing	× × + ;=	Layout Display Bar		(To All Scenes 🗧	Encoder 📾 Batch Grouping 🔨 🛩 🕂 🚽
Preview Name Type ✓ Ungroupes Group ■ RX-136 RX ■ RX-146 RX ■ RX-146 RX ■ RX-149 RX ■ RX-137 RX	List List List List List AOPD102 (1 AOPD102 (2 AOPD102 (3 AOPD102 (4 AOPD102	RX-136 TX: N/A RX-136 TX: N/A RX-137 TX: N/A		RX-149 TX: N/A	Preview List Name Type No. Hostname Ungrouped Group Image: State Stat		
				Information	Log		Other Device S Batch Grouping A Name Type No. Hostname Ungrouped Group EV-001 CBS 1 EV-001



• Create Group

Decoders can be organized in Group • By Default .all devices are added to the undrouped Group •

ecoder 🗃 👪			~ ~ + (-	Layout	Display Ba	r		To All States	Encoder 🗃 Bat	ch Grouping 🔥	
Preview			List			-			Preview	Lie	st
Name	Type	No.	Hostname								
 Ungrouped 									✓ Ungrouped	Group	(3)
@ RX-136	RX		AOPD102		RX-136	RX	-146	RX-149	10 TX-151		
@RX-146	RX		AOPD102		TX: N/A	12.	N/A	IX N/A	Or		
RX-149	RX		AOPD102						******		
@ RX-137	RX		AOPD102			👯 Create Group	8		2.4.3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.		
					RX-137				RESCRIPTION OF		
					TX: N/A				€aTXat152		
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										4 4	1
							OK Cancel			응왕 🕥 대	961. Jac
										M 🖬 🙃	
				Inform	ation		Log		Other Device	Batch Grouping	~ ×
									✓ Ungrouped	Group	0
									@EV-001	CBS 1 EV-	001

• Add Decoders to Group

1. Add decoders to the group by right clicking them, select Change Group and then select the desired group \circ



C AV Over IP >>>> File / E	dit / Option / Help /		New Project	🥹 admin 🗕 🗆 🗙
Decoder 🗟 Batch Grouping 🔺 😪 🕂 🛁	Layout Display Bar		To All Scenes 🗧	Encoder 🗟 Batch Grouping 🔺 🗸 🕂 🚽
Preview List Name Type 'No. Hostname Ungrouped Group Image: Complexity of the second se	2x2 TX: N/A RX-146 TX: N/A	RX-137 TX: N/A RX-136 TX: N/A	RX-149 TX: N/A	Proview List Name Type No. Hostname ✓ Ungrouped Group Image: State of the s
	Information	Log		Other Device Statch Grouping Image: Comparison of the statch of the

2. you can use "Batch Group Change" to Change Group

OK AV O	ver IP				New Proje	ect	🥹 admin —		
Decoder	Batch Group	oing.	∧	Layout Display Bar		To All Scenes	Encoder Statch Grouping	~ ~ + =	
Preview			List				Preview	List	
Name	Type d Group		Hostname	Batch Grouping		×	Name Type No. Ungrouped Group		
@RX-137	RX		AOPD102	Ungrouped	 2x2 Matrix	~	@ TX-151		
🕲 RX-149	RX		AOPD102		 		Orange p		
@ RX-146	RX		AOPD102		RA-137		1 ALANA OLAN A		
@ RX-136	RX	4	AOPD102		RX-149		4344.44 3846345		
					RX-146				
2x2	Video				KX-136		● TX+152 00072012900 PR0 0001		

• Create Matrix

- 1. Create a Group •
- 2.~ Select a Group and press the Create Video Wall \circ
- 3. Give a name for Video Wall and Choose the Size ,Each Video Wall can Create multiple Scenes



Decoder 🛱 🛤	tch Group	ing	$\sim \sim + =$	Layout Display B	ar			To All Scener	Encoder 📾 Batch Grou	ping 🔨 🗸	+ -
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				Information		Log		; ;	Other Device State Name Type Vungrouped Grou EV-001 CBS	h Grouping No. Hos P 1 EV-00	n va thame D

4. Choose Video Wall and Create a Scene, Type as Standard

X AV Over	· IP 2000			New Pro	oject	😌 admin	
ecoder 🗇 Bater	Grouping	~ ~ + ;=	Layout Display Bar	All Stenet D Create Scene	Scone Delete Son	Encoder Statch Grouping	~ ~ + -
Preview		List				Preview	List
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✓ 2x2 Matrix	Group	89 😩 (💿 TX-151	
@RX-137	RX	1 AOPD1				Orange	
🐻 RX-149	RX	2 AOPD1	1	1		TRASSA OF	
🕲 RX-146	RX	3 AOPD1	0. Creat	e Scene		1.000014 0.00000	
@RX-136	RX	4	00			BOLLEN AND A	
		e m	Name	2x2 Matrix		● .TX:152	
			Туре	Standard 🗸 🗸		States -	0
				OK Cancel			Juliant 👔
							0
			Information	Log		Other Device 🔄 Batch G	rouping \land 😪
						Name Type N	lo. Hostname
						✓ Ungrouped Group	Ø
						E FALOON CDC	



- 5. Matrix Function Setting control (DragRight-Click)
 - a. Drag and place the corresponding Decoder for the display into the middle layout bar

OL AV ON	/er IP			New Project	🥑 admin 🗕 🔟 🗙
Decoder (S)	latch Grouping	× • + =	Layout Display Bar Malicin	D Create Score (& Edit Score) (D Delete Score -	Encoder (2) Batch Grouping 🔿 👻 🕂 🛁
Preview		List	2x2 Matrix	Keply 🚺 Auto Apply	Preview List
Name	Type Group	No. Hostname	RX-136	• RX-146	Name Type No. Hostname
✓ 2x2 Matrix	Group	8 8 4	Cf -rate	M	1X-151
✓ 2x2	Video Wall	0.9	NO SOURCE	NO SOURCE	Orange pi
0 @RX-136		1 AOEOLL	COMPANY INC.		1 MANANA OL
@ RX-137	RX	2 AOPD1.		••••••••••••••••••••••••••••••••••••••	· 小学会会中的 《书名委会书》
RX-146	RX	3 AOPD1	FOC-149	10X-137	
@ RX-149	RX	4 AOPD1	No SOURCE	No source	
			-		

b. Drag and place the source Encoder to be placed into the corresponding display position into the Layout Display Bar \circ

OL AV ON	er IP 📟			New Proj	ect	🧿 admin 🔟 🛛 🗙
Decoder 191	atch Grouping	× = =	Layout Display Bar	econo 🖉 🗅 Create Scene 🖉 🖉 Edit S	cone 🖉 Delete Scene 🖥	Encoder Statch Grouping 🔿 👻 🕂
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Name	Type	No. Hostname	0 TX-151	(1X-151)		Name Type No. Hostname
Ungrouped	Group	0	RX-136	RX-146		✓ Ungrouped Group
✓ 2x2 Matrix	Group	89 @ (Of main		rat:	TX-151
√ 2x2	Video Wali	20	NO SOURCE	HO SO	URCE	Orange pi
0 HX-136		1 ACRUL				Manager e 1
●RX-137	RX	2 AOPD1	• TX:152	• TX-102		· 南京之意大西 西京名在京东
@RX-146	FOC	3 AOPD1	RX-149	RX-137		OR
@RX-149	RX	4 AOPD1	01		and a second	© (1)/a152
			NO SOURCE	HO SO	URCE	
RX-136			Information	Log		Other Device Shith Grouping A
			Name: RX-136 Dendca Turne: RX			Name Type: No. Hostname
	02	Hostname: AOPD102-82078887361E				✓ Ungrouped Group
	NO SOURCE		IP Address: 192.168.1.136			©EV-001 CBS 1 EV-001
		2022				

c. Click 'Apply' to complete the settings. You will see the Layout Display window show corresponding Encoder Video. Also you can see the Preview of Decoder to make surge the settings applied •



🞊 AV Over IP » New Project 😫 admin Decoder 🕼 Batch Grouping 🔦 🗢 🕂 📮 Layout Display Bar Create Scene 🖉 🖉 Edit Scene 💼 Delete Scene 🗧 Encoder 🗃 Batch Grouping ~ + List 2x2 Matrix Preview Apply Auto Apply List Type No. Hostna Name TX-151 TX-151 Group 6 ✓ Ungrouped Group P: Ungrouped R RX-146 Orange pi Orange pi ✓ 2x2 Matrix Group 昭 🖉 🛛 1 2 0 ✓ 2x2 Video Wall RR ® RX-137 2 AOPD1... RX 0 TX 152 R RX-146 RX 3 AOPD1... TX=15 **®** RX-149 4 AOPD1... ę, 5 --M 0 Log Information 08/01 10:16:52 [TX-151] send: Imparam g HC 08/01 10:16:52 [TX-152] send: Imparam g HC 08/01 10:16:52 [TX-152] send: Imparam g HC 08/01 10:16:52 [TX-151] send: Imparam g HC 08/01 10:16:52 [TX-151] recv: 0867 08/01 10:16:52 [TX-151] send: Imparam g HC 08/01 10:16:52 [TX-151] send: Imparam g HC Type No. Name: RX-136 Orange pi Device Type: RX Hostname: AOPD102-820788B7361E IP Address: 192.168.1.136 0 ✓ Unarouped Group © EV-001 CBS 1 EV-001

AVP-Controller-100 & AVP-Controller-101

- 6. Matrix Function Setting Control (Right-Click)
 - a. Right-Click on Layout wall and Select TX(Encoder) / RX(Decoder) in corresponding display position





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Preview	MacLoss Mark D	List	2y2 Matrix	Service with	illoures.		Annte	C Auto Anthe	Preview	Lis	t
Name Ungrouped v 2x2 Matrix	Type Group Group	No. Hostname	RX 136	Select TX Select RX	 TX-151 TX-152 	2 DX 145	α		Name Vingrouped () 1X-151	Type No. H Group	lostname Ø
 RX-137 	RX	1/:ACPD12		Remove	•		NO SOURCE			ource 1	
& RX-146	RX RX	3 AOPD1 4 AOPD1	• RX 149	Select All Combination Split Bezel Correction OSD On OSD Off Save Default Lay	out	. RX 137	NO SOURCE				
RX-136 1	C TOURCE		Information Name: RX-136 Device Type: F Hostname: AC IP Address: 19	n 5 00 90192-82078887 92168.1.136	361E	Log 08/01 10:18:3 08/01 10:18:3 08/01 10:18:3 08/01 10:18:3 08/01 10:18:3 08/01 10:18:3	6 (RX-149) ser 6 (RX-136) rec 6 (RX-136) ser 6 (RX-146) rec 6 (RX-146) rec 6 (RX-149) rec 6 (RX-137) rec 6 (RX-136) rec	dd e e reconnect vi idd e e reconnect vi vi vi vi vi	Other Device Name Ungrouped EV-001	EF Batch Geouping Type No. H Group CBS 1 EV-1	kostname D 001

b. Click 'Apply' to complete the settings. You will see the Layout Display window show corresponding Encoder Video. Also you can see the Preview of Decoder to make sure the settings applied

• Create Video Wall

1. You can create a new layout. Right-click on the layout wall and select 'Select All', then choose 'Combination'. Once completed, 4 Screens will combine to 1 Screen







2. You can drag and drop the video source onto the combined display



• Create Mouse Roamming

AOP-102 series products support Mouse Roaming. With configuration you can move the mouse to the edge of the screen to control different computers in a system. They support one set of mouse and keyboard to control up to 16 host computers. The following are the setup instructions.

1. Create new Project

🞊 AV Over II	P x Für					tes			.0			
Decoder STanta Ge	ouping 🔦 👽	æ 🛃	Layout Displ	ay Bar				Encode	er GR	ton Grouping		+ -
Proview	List								Preving		List	
Namo P	ype No. Hos	trame							Name	Type No		
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				4	in the second		2					
				CC Create Pr	oject		*					
				anna 1926 - 1			-					
				Project Name	Please ente	r the project nar	ne					
							mitteria					
						OK	neel					

2. Create a New Group

Of AV Over IP	Awout Display Bar	New Project	Encoder (2) bith frames (A, X, + -
Pravlew List Name Type No. Hostrame			Proviny List Name Type No. Hostname V Ungrouped Group
RX-136 RX 1 AOPD102 RX-146 RX 2 AOPD102 RX-146 RX 2 AOPD102	RX-136 R0 1X: N/A 13	X-146 RX-149 C N/A TX: N/A	• TX 151 Orange pi
● RX-137 RX 4 AOPO102	RX-137 TX: N/A Name 2x2 Mat	o X trix OK Cancel	
	Information	Log	Other Device State Grouping A Norre Type No. Hostrarre Ungrouped Group Other Device I provide



3. Create a Video Wall

Decoder 🛭 🗃 🖪	atch Group	Change \land 🖌 🕂	Layout Display Ba	ar			Delete Scen
Preview		List					
Name	Type	No Hostname					
✓ Ungroupe	Group	C					
🔞 RX-149	RX	1 AOPD102					
® RX-146	RX	2 AOPD102					
@ RX-136	RX	3 AOPD102		代 Create \	/ideo Wall	×	
🛞 RX-137	RX	4 AOPD102					
2x2 Matrix	Group			Video Wall	2x2		
				Туре	MxN Video Wall	~	
				Rows	2	~	
				Columns	2	~	
					ОК	Cancel	

4. Choose Video Wall and Create a Scene, Type as Mouse Roam

0% AV Ove	er iP 📟				New Project	😝 admin	
Decoder (@Ba		∞ ≈ ÷ ;=	Layout Display Bar	le All Scenet	C. Iddi Scener 🕥 Deleter Scene	Encoder 🛛 🗟 Batch Groupin	• • • + =
Preview		List		T		Preview	List
Name							
Ungrouped	Group	0				✓ Ungrouped Group	0
✓ 2x2 Matrix	Group	88 🙆 (1 TX-151	
@ RX-137	RX	1 AOPD1				Orange	
RX-149	RX	2 AOPD1				C ARASSAN OL THE	
RX-146	RX	3 AOPD1	ℓ ℓ Cre	ate Scene	×	1. 0504.74 7.446.6A	
@ RX-136	RX	4 AOPD1			-		
782 1		20	Name	2x2 Mouse Roam		© (1Xa152 55552512957)	
			Туре	Mouse Roam	~	See Street	21724
				OK C	ancel		
						これ 武器 日	ather a
			Information	Log			Grouping

- 5. Setup Master and Slave
 - 5.1 Right click the Decoder to which the mouse and keyboard are connected and choose Select Master •



5.2 Right click the other Decoders and choose Select Slave



6. Restarting these Decoders will apply the settings. After rebooting, you can start controlling multiple computers



Decoder Function

PreviewListNameTypeNoHostnamUngroupeGroupCC2x2GroupCCC2x2Video WallCCCRX-136Device SettingsCCCRX-149Video SettingsSerial Port SettingsAdvanced SettingsRX-137Advanced SettingsNo Source Image SettingsRX-137DeleteDeleteRX-136Serial Port SettingsControlRX-137Advanced SettingsNo Source Image SettingsRX-136DeleteRebootRX-136Restore Factory Settings	æ				
NameTypeNoHostnamUngroupeGroupImageImageImageImage2x2Video WallImageImageImageImageRX-136Device SettingsSerial Port SettingsImageImageRX-146Serial Port SettingsAdvanced SettingsImageImageRX-137Advanced SettingsImageImageImageRX-137DeleteImageImageImageRX-136DeleteImageImageImageRX-136Restore Factory SettingsImage <t< th=""><th></th></t<>					
UngroupeGroupImage: Construction of the section	e				
► 2x2Group♥ ▲► 2x2Video Wall▲●■ RX-136Device Settings■■ RX-149Video Settings■■ RX-146Serial Port Settings■■ RX-137Advanced Settings■■ RX-137Advanced Settings■■ Control□□■ RX-136Restore Factory Settings■■ RX-136□□□■ RX-136□□■ RX-136■□■ RX-136■□■ RX-136■□■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-136■■■ RX-137<					
 2x2 Video Wall RX-136 Device Settings Video Settings Serial Port Settings Audio Settings Advanced Settings No Source Image Settings Overlay Image Settings Control Delete Reboot RX-136 Restore Factory Settings 	t				
R RX-136Device SettingsR RX-149Video SettingsR RX-146Serial Port SettingsR RX-137Audio SettingsAdvanced SettingsAdvanced SettingsNo Source Image SettingsOverlay Image SettingsDeleteRebootR RX-136Restore Factory Settings					
RX-149Video SettingsRX-146Serial Port SettingsRX-137Audio SettingsAdvanced SettingsAdvanced SettingsNo Source Image SettingsOverlay Image SettingsDeleteRebootRX-136Restore Factory Settings					
RX-146Serial Port SettingsRX-137Audio SettingsAdvanced SettingsAdvanced SettingsNo Source Image SettingsOverlay Image SettingsControlDeleteRebootRebootRestore Factory SettingsUpdate Device Data					
RX-137Audio SettingsAdvanced SettingsAdvanced SettingsNo Source Image SettingOverlay Image SettingsControlDeleteRebootRestore Factory SettingUpdate Device Data					
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Delete Reboot Restore Factory Setting Update Device Data	Þ				
Reboot Restore Factory Setting Update Device Data					
R RX-136 Restore Factory Setting Update Device Data					
Update Device Data	gs				
EDID Export					
Service Capability					
Modify Group					

- 1. Device Setting : Setup Device IP configuration and Device name
- 2. Video Setting
 - a. HDCP Setting : Same as Source / HDCP1.x / HDCP2.2
 - b. HDMI Output Resolution
 - c. Screen Setting :
 - d. Extended Mode : Fit in / Stretch Out
 - e. Image Rotating Display : 0 / 90 / 1801/7270



- f. Advanced Setting : Sync Lock Settings
- 3. Serial Port Settings
 - a. Baud rate : 600 ~ 230400
 - b. Data Bits : 5 ~ 8
 - c. Stop Bit : 1 or 2
 - d. Parity : Even / Odd / None
 - e. Working Mode : Feedback / Pass-through
- 4. Audio Settings
 - a. Audio Output Setting : Control Volume
- 5. Advanced Setting
 - a. Video over IP : Enable / Disable
 - b. Audio over IP
 - c. USB over IP
 - d. KM over IP
 - e. Serial over IP
 - f. IR over IP
- 6. No Source Image Settings
 - a. Upload Passive Image : The Passive image is presented to the Decoder when no Encoder Source connected.
 - b. Upload Startup Picture : The Startup Logo image is presented to the decoder's connected display when the decoder boots up
- 7. Overlay Image Settings
 - a. Upload Overlay Picture : An image can be uploaded to a decoder to be displayed on Screen (Note : Only support PNG format)
 - b. Screen Coordinate : Setup X Y For Overlay Picture location
 - c. Display Overlay Picture
- 8. Control
 - a. CEC Monitor On / CEC Standby / CEC Get values
 - b. OSD On / OSD Off : Display Device name on Screen
- 9. Device Settings : Delete / Reboot / Restore Factory Settings / Upload Device Data
- 10. EDID Export : Export Screen EDID
- 11. Service Capability : Remote SSH / Web Services
- 12. Modify Group : Change Group

Encoder Function





- 1. Device Setting : Setup Device IP configuration / Device name
- 2. Video Setting
 - a. Preview Setting
 - b. Video Quality
 - c. Bit Rate
- 3. Serial Port Settings
 - a. Baud rate : 600 ~ 230400
 - b. Data Bits : 5 ~ 8
 - c. Stop Bit : 1 or 2
 - d. Parity : Even / Odd / None
 - e. Working Mode : Feedback / Pass-through
- 4. Advanced Setting
 - a. Video over IP
 - b. Audio over IP
 - c. USB over IP
 - d. KM over IP
 - e. Serial over IP
 - f. IR over IP



- 5. EDID : Reset / Settings
- 6. Service Capability : Remote SSH / Web Services
- 7. Device function : Delete / Reboot / Restore Factory Settings / Upload Device Data
- 8. Modify Group : Change Group

UI Function

1. File : Project manage



2. Edit :

- a. Search Device :
- b. Schedule : the function can execute the Encoder / Decoder connect on the profile time Select Schedule setting from Edit

File / Edit / Option /				
-Q Search Devices				
uping 🔷 📸 Schedule	t Display Bar			
List 🗐 Batch Settings	latrix VideoV	Vall		
No. H 🔐 Custom UI	-128			
🕅 Schedule				×
+ Add				
No. Name Start Time End Tin				
OL Cr	eate Schedule		*	
	Name			
Sta	rt Time 17:58	End Time 17:58		
Sta	art Date 7/31/2024	End Date 7/31/2024		
Input	Source	~	•	
Output	Source	v	8	
	Scene	~	2 I	
Ēv	veryday 🔲			
E	inabled			
		OK Cancel	Ú.	
View all schedules				

Input Source: Drop menu for Encoder list



Output Source : Drop-Menu for Decoder list

Scene : Drop-Menu For Scene list

c. Batch Settings : The function can batch setting more than one Device with the same settings

🗱 Batch Settings						×
Filter ALL 🗸	IP Video Imagi A	udio Serial	Powe ED	DID IR	Adva	Other
ALL Checked/Total : 0/18		O Auto O D	HCP 💿 Fixe	ed.		
Show the online devices	Start IP address	192 . 168	. 1 . 1			
Name Hostname	End IP address	192 . 168	- 1 - 5			
RX920V2-1 AVP-DE2K-101V	Netmask	255 . 255	. 255 . 0			
RX920V2-1 AVP-DE2K-101V	Gateway	0.0	. 0 . 0			
RX-140 AVP-DE6K-102-I						
401Rx AVP-DE4K-101-						
402Rx AVP-DE4K-101-						
301Rx AVP-DE4K-101-						
RX-127 AVP-DE6K-102-0						
RX-137 AVP-DE6K-102-1						
RX-122 AVP-DE6K-102-8						
RX-128 AVP-DE6K-102-0						
TX-182 AVP-EN6K-102-						
TX-183 AVP-EN6K-102-						Apply

d. Custom UI (for AVP-Controller-101) : Allow user to setup the environment control interfaces (Relay, RS232, RS485, I/O, IR)

Custom	u										×
Name Width	TEST Create 100000.0	∨ Delete	REON	REL R2 ON	AV. R3 ON		4 ON	Label		Drag and Drag and Labe Botto Drag Imag	drop controls onto । श
Height	100000.0		REGE	R230FF	RECE		N 066			Backgro	select
Page		20	HI SOLT	12:011	IS OFF		A OFF	-	-	Backgro	select
			Rower On Power Off							Setup X	62.0
											291.0
			_		-					Width	94.0
			Button Actions							Hataber	20.0
			Page Router	1.001		Action	Command	ls	B	neight	30,0
				RS232-2			Power On	06 14 00 04 00	@ @	Text	Power On
			R5-485				Power Off	06 14 00 04 00	20	Color	 select
			RELAY							Backgro	select
			1/O OUT								

3. Option





- a. Information : Device information
- b. Log : event record / Export
- c. Language: English / 繁體中文 / 簡體中文
- d. Theme mode : System / Bright / Dark
- 4. System Settings : Setup the Controller IP / Key / UI name



a. System settings allow up to two backup device addresses in CBS and support setting a system logout time.



🕅 Syste	m Set	tings			×
CBS	Key	UI			
CBS(Prima	ary)				
192.16	8.1.20	00			
CBS(Seco	ndary	1)			
CBS(Seco	ndary	2)			
Auto Logo	out Tin	ne			
15	Mi	nutes			
			ОК	(Cancel

b. When accessing system settings, if you encounter a message indicating an incorrect key address, please reach out to the administrator for assistance.

🕅 Syst	tem Set	tings		×
CBS	Key	UI		
Machin	e Code			
c705	2391a9	836bdo	dab25bbb9c	la6e250f
License	Code			
1607	c7d67c	ea66a9	1cff7f21698	302e42
End Tim	ne			
12/3	1/9998			
Device	Limits			
100				
			ОК	Cancel



c. Upon entering system settings, the system name can be modified.

🕅 Sys	tem Set	tings		×
CBS	Key	UI		
App Na	me			
Vide	o over l	P 1111		
			ОК	Cancel



User Settings : add / edit / delete for user account / password / Role / Permission

🕂 Create			×
Username			
Password			
Role	O Administrators	O users	
	CBS Edit	View License	Ui Settings
	Search Device	Schedule Edit	🔲 UI Edit
Permission	Open Project	Create Project	Import Project
	Save Project		
			OK Cancel

Notification : To Notify Device on-line/off-line





Layout Display Bar



Matrix	VideoWall				Apply	Auto Apply
RX-1	28			® RX-127 ○		
	Select RX Select TX))			NO SOURCE	
	Remove	۲	T 221 ages			7.00 Las
® RX-1	Select All Combination Split Bezel Correction			® RX-122	NO SOURCE	
	OSD On OSD Off Preset Layouts Save Preset Layo	► ut				

- 1. To All Scenes : You can Drag a Video source on it , then all scenes will apply the Video Source.
- 2. Create Scene / Edit Scene / Delete Scene
- 3. Select TX / RX :
- 4. Remove TX / RX : To Remove one or all TX / RX
- 5. Select ALL / Combination / Split
- 6. Bezel Correction :
- 7. OSD On / Off
- 8. Save Default layout : To save current layout display



APP Overview

i-Touch+ is an easy-to-use AV control system app that gives users quick access to IP control box (referred to AVP-Control-100/101) directly from an iPad. After a quick initial setup, the iPad connects to IP control box, allowing for a seamless, highly-responsive control experience. All button presses are kept in sync between the app and your IP control box. This provides convenient and easy access to the IP distributed matrix system.

Before Using i-Touch+

Before using the **i–Touch+**, perform the following:

- IP streaming system is correctly configured;
- Ethernet switch, wireless network router (or access point) are correctly configured;
- ✓ iPad running iOS14 or higher;
- ✓ **i-Touch+** (V1.24.11 or higher) is downloaded in Apple store;
- The IP control box is employed;
- Ensure your PC with PC configurator installed, IP control box and iPad are in the same network segment.



Operating i-Touch+

On first startup, you need to enter the IP address of IP control box in **i-Touch+**:



After entered IP, please login in (Default username / password as admin / admin)

i-Touch+ Main Screen UI

Item	UI Element	Description		
1	Show Groups	Display all Decoder Group and scene		
2	Connection Status	Connection status.		
3	Scene Layout	Display current layout status with TX & RX		
4	Settings	All the setting include this page		
5	Save Preset	Save current scene layout to preset page		
<u> </u>	Control	CEC On: Turn on CEC function for selected scene		
0		CEC Off: Turn off CEC function for selected scene		
	To all screens	Drag a source from source list over this button means the switching of		
7		this source to the screens in all groups, including single screens and		
		video walls.		
8	Input Source List	All TX Group (include ungrouped)		
9	Open Project	Open the Project of Control Box		

Martix Layout

Configure Video-Wall scene on PC , After login, On this main Screen , you can drag the Input Source to Corresponding decoder position and Press apply to connect Encoder and Decoder , than you can see the same Video stream in the main screen and the monitor of Decoder.

Video-Wall Layout

Configure Video-Wall scene on PC and Combine all Decoder to a big position, than drag Input Source to the big position and apply, Video Stream will display on main screen and all monitors.

Settings UI

1. Connection Settings : enter new controller IP when you need to change

2138 PM This Dec 12		¢ aess 💼)
< į́·Touch-		Connected 🕞
Connection Settings		
Advanced Settings		
Device Control		
About		
	Local (P 192768.1.83	
	Controllisi IP 192.168.1.200	
	Save	

2. Advanced Settings : Display function hide or not on the main screen

2:50 PN Thi Dec 12		⇔ adv Connetiad
Connection Settings	CEC ON/OFF display	
Advanced Settings	To All Scenes	
Device Control	Save Preset	
AUGUL	Input Source Group (Display/Hide)	
	Output Source Group (Display/Hide)	
	Preset screen (Display/Hide)	
	Advanced Setting Password	
	Restore Factory	

3. Device Control : reboot one device or reboot all

2:50 PM Thu Dec 12		7	🌩 ass. 💻 Connected 📑
Connection Settings			Reboot All
Advanced Settings	RX920V2-199	192 168 1 199	Rebbet
Device Control	RX920V2-189	192 168.1 189	President:
About	PFRX-156	192.168.1.166	Arbout
	PFRX-157	192.168.1.157	Répost
	PFRX-154	192.168.1.154	
			ifeboot Ail
	AVP-EN6K-102-0763	192.168.1.136	Asboot
	AVP-EN6K-102-1123	192.168.1.183	
	PFTX-152	192.168.1.152	Rebool
	PFTX-153	192,168,1.153	Rebost
	TX-212	192,168,1,212	("Reboot

4. About : APP Version

