

# **AVer PTZ Link**

- User Manual -

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# Overview

AVer PTZ Link is an application software that connects AVer cameras to third-party microphone systems (supported models) from Audio-Technica, Biamp, Bosch, ClearOne, Nureva, Sennheiser, Shure to Yamaha.

It provides IP- and USB-based control and enables users to turn AVer cameras into voice-tracking cameras by setting presets. It also enables users to create virtual cameras, perform automatic video switching, as well as tracking the presenter when human tracking is enabled in the Premium version.

## **Compare Versions and Features**

	Free	Premium (60-Day Free Trial)
IP connectivity	✓	$\checkmark$
USB connectivity (Windows only)	✓	$\checkmark$
Virtual camera (Windows only)		$\checkmark$
Automatic video switching (Windows only)		$\checkmark$
Active position (Windows only)		$\checkmark$
Human tracking		$\checkmark$
AVer camera + microphone groups	5	25
Microphone channels	8	128
Presets	256	256

# **System Requirements**

	Minimum	Recommended
OS	Windows 7 (64-bit) or later macOS 10 or later	Windows 7 (64-bit) or later macOS 10 or later
CPU	Intel Core i5 10th Generation	Intel Core i7-10875H or greater
GPU		NVidia Geforce RTX 2070 or greater
RAM	8 GB	16 GB DDR4 or greater
Free storage space	800 MB	800 MB

### **Supported AVer Devices**

### **Professional Tracking Cameras**

•	Single	Lens
---	--------	------

TR211	TR311HWV2	TR310
TR315	TR313V2	TR311
TR315N	TR323V2	TR311HN
TR335	TR323NV2	TR313
TR335N	TR333V2	TR331
	PTC310HWV2	TR333
	PTC310UV2	PTC310
	PTC320UV2	PTC310N
	PTC320UNV2	PTC310U
	PTC330UV2	PTC330
		PTC330U

• Dual Lens

TR535N	TR530+
	PTC115+
	PTC500+

#### Professional PTZ Cameras (Do not support human tracking)

PTZ211	PTZ310
PTZ231	PTZ310N
PTZ310UV2	PTZ310W
PTZ310UNV2	PTZ330
PTZ330UV2	PTZ330N
PTZ330UNV2	PTZ330W

#### Video Conferencing Cameras (Do not support active position)

CAM520 Pro3 CAM550 CAM570

#### **Distance Learning Camera**

DL30

#### Important Note on Voice Tracking Installation

When installing voice tracking systems, consider the environment, materials, and distances to ensure optimal performance. Assess the room size, layout, and acoustics, as these factors impact accuracy. Different surfaces affect sound reflection and absorption, influencing effectiveness. Measure and maintain appropriate distances between devices and the coverage area for clear tracking. To achieve the best experience, connect with an AVer technical expert who can tailor the installation to your specific needs.

### **Supported Microphones**

Third-party microphone systems may require setup in their manufacture software.

### Audio-Technica

ATND1061LK/DAN

ATUC-50

ATUC-IR

#### To set up ATND1061LK/DAN Beamforming Ceiling Array Microphone:

- Open Digital Microphone Manager. Go to Settings & Maintenance > System Settings > Network > IP Control Settings.
- 2. Turn on Notification and Camera Control Notification.



- 3. Select a microphone in the main area.
- 4. Go to **Camera > Camera Area**. Add a Camera Area by dragging it within the microphone pickup area. Each Camera Area group corresponds to AVer PTZ Link channel 1-8.



#### To set up ATUC-IRCU infrared control unit:

- On the ATUC-IRCU Web Remote interface, go to Settings & Maintenance > System Settings > Network > IP Control Settings.
- 2. Turn on Notification.

**Note:** If a powered-off ATUC-IRDU appears to be sending audio signal in AVer PTZ Link, turn on **Audio Level Notification** to resolve the issue.

• ATUC-IR			✓ ■ ≯*	2' <u></u> ' 🖂	Preset	Preset	s 1
🕼 Settings & Mai	intenance						•
✓ System Settings	IP Control Settings						
General							
Network	Port Number	17300					
User Access	Notification						
Utilities							
> Install Settings	Audio Level Notification						
> Presets	Multicast Address	225	0	0	100		
> Logging	Multicast Port Number	17000					
> System Info							

#### To pair ATUC-50 / ATUC-IR with AVer camera presets:

- Each ATUC-50DU or ATUC-IRDU discussion unit corresponds to an AVer PTZ Link channel.
- A discussion unit whose talk button is pressed first takes priority over others until it is mute. For example, Channel 1 (pressed first) takes priority over Channel 2 whose talk button is also pressed.

AVer PTZ Link	- 🗆 ×	<
Link more devices 🕂	Subscription: 2024/01/01 Admin 🕑 🏹	ðr
Select your device	ATUC-50 - TR313V2 Q E.g., Preset 1, Channel 2 or Zone	
ATUC-50	Channel Active Position 🕓 Time	
BiampA Mic	Microphone Camera Human tracking 🔂 Remarks           Channel 1         III         Preset 0         Off	
BiampL O	Channel 2 III Preset 1 V Off V	
	Channel 3 Select preset V Off V	

### Biamp

Tesira Digital Signal Processor

Parlé Ceiling Microphones (requires Parlé product revision A or B)

#### Hardware and Channels Overview

Tesira Digital Signal Processor	Tesira Forte X, Tesira Forte Rackmount, Tesira Server IO, Tesira Server.
Parlé TCM-X	Plenum network box + one ceiling-mount microphone array
Parlé TCM-XA	Plenum network box with built-in amplifier+ one ceiling-mount microphone array
Parlé TCM-XEX	One expansion ceiling-mount microphone array

Up to 2 ceiling microphone arrays are permitted per network box (one TCM-X or TCM-XA with TCM-XEX).

Each ceiling microphone array has 8 channels. PTZ Link divides the microphones' horizontal angles into 8 equal parts, which correspond to PTZ Link Channel 1–8.



Microphone	Channel Start/End
	1-8 (ceiling mic 1)
Averraneiviici	9-16 (ceiling mic 2)
A)/orDorloMio2	17-24 (ceiling mic 1)
AverFarleiviicz	25-32 (ceiling mic 2)
	33-40 (ceiling mic 1)
Averraneiviico	41-48 (ceiling mic 2)
AVerParleMic4	49-56 (ceiling mic 1)
	57-64 (ceiling mic 2)
AVerParleMic5	65-72 (ceiling mic 1)
	73-80 (ceiling mic 2)
AVerParleMic6	81-88 (ceiling mic 1)
	89-96 (ceiling mic 2)

#### To enable system security:

You can protect 3rd party media control access for the Tesira system using username and password.

- 1. After the DSP has been configured, connect to the unprotected Tesira system with Tesira Designer Software.
- 2. Open the System menu > Security menu > Manage System Security...
- 3. Click the Protect System... button to create the admin user and password.

System Security Settings			×
System Users:			
Name	Privilege Group		
	Protect System	Delete User	
	Admin Password:		
	Confirm Admin Password:		
Protect System		Close	<i>l</i> ta

4. You'll be prompted to enter the same set of username and password when connecting to Biamp microphones in PTZ Link.

🥮 AVer PTZ Link			×
Unable to please en	connect to micropho ter username and pa reconnect.	one device, assword to	
Userna	me		
Passw		A	
	Update		
	opulito		

#### To set up Parlé TCM-X microphones:

- 1. Open Tesira Design Software.
- 2. After the TCM-X microphone has been added to the layout, the instance tag of the Parlé microphone block or Logic Meter block to be controlled must use the following naming schemes.

To check or rename the instance tag of a specific block, click on that block, go to **Properties** panel > **DSP Properties** tab > **Instance Tag**.

• Parlé microphone block: AVerParleMicX (X=1-6 starting with 1)

10       10 <td< th=""><th>+Q) v/ P01:Audio Partition1*</th><th>Properties</th><th>₹×</th></td<>	+Q) v/ P01:Audio Partition1*	Properties	₹×
Decky Properties     DSP Properties       Show Alamel 1     Show Alamel 1       Configuration     Image: Show Alamel 1       Accated to unit     The Pelay Ex Group Default       Instance Tag     AvertarteMict       Instance Tag     Instance       Instance Tag     Instance <th>P</th> <th>ParleMic1</th> <th>▼ ■ 1x1</th>	P	ParleMic1	▼ ■ 1x1
Show channel 1 Show all Configuration Part TUCK All Part TUCK All Part TUCK All Part TUCK All Part TUCK All Part TUCK All Part TUCK All Show all Configuration Part TUCK All Part TUCK All Show all Configuration Part Hore Tuck All THA Bate TUCK All Show all Show all Configuration Show all Configuration Show all Show all		Display Properties	DSP Properties
Configuration   Alcated to unit 3  Red nunt True Delav Eg Group Default  Delav Eg Group Default  Channel 1 of 2  Muted Fabe Level 0.0 Level Max 0.0  Level M	I NOT Gate	Show channel 1	🖌 Show all 🔤
Akotket to unt 3  Akotket to unt 3 Akotk		Configuration	▼ 🖻
Fred nunt:       True         Delay:       E Groun:         Instance Tag       AverParteMicl         Instance Tag       AverParteMicle         Instance Tag       AverParteMicle <td></td> <td>Allocated to unit</td> <td></td>		Allocated to unit	
Delay Ed Group Default hstance Tag AVerParleMic1 hstance Tag AVerParleMic1 Channel 1 of 2 Muted False Level Max 0.0 Level Max 0.0 Level Max 0.0 Level Max 0.0 Height AFF (M.: 2.40 Id Channel 1 DSP Mock V THX Rutton,: TcH-XA V THX Rutton,: Talse V		Fixed in unit	
2 Classed       Instance Tag       AVerParleMict         Channel I of 2       V         Mit of False       Level       0.0         Level Max       0.0       Level Max         Lower Max       0.0       Level Max         Lower Max       0.0       Level Max         DSP Block       V       Path Micropho.         THA Kutton, TCH-XA       V         THA Kutton, TCH-XA       V	Pané TOM-XA Mic	Delay Ed Group	Default 👻
Channel 1 of 2 Muted False Level Max 0.0 Level Max 0.0 Height AFF (M. 2.40 I OSP Block Park Macon TCH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-XCA TTH-	2 Channel	Instance Tag	AVerParleMic1
Muted Fabe Level 0.0 Level Mo -100 Level Mo -100 Level Mo - 0.0 Height AFF (M. 2.40 Id Channel 1 DSP Block V Path Micropho TCH-XA V Path Micropho TCH-XA		Channel 1 of 2	▼
Level 0.0 Level Min -100 Level Min -100 Level Max 0.0 Height AFF (M. 2-40 I Channel 1 DSP Block V Park Micropho. TCH-XA V TH-V-XB Utton, TCH-XA V		Muted	
Level Mm -100 Level Mm -100 Level Mm -0.0 Height AFF (M. 2.40 Id Channel 1 DSP Block V Park Microphys. TCH-XA V TH-W-X Button, - Table V		Level	
Level Max 0.0 Height AFF (M. 2.40 Id Channel 1 DSP Block Path Mere TFM-XA TH-XA TH-XA TH-XA TH-XA		Level Min	-100
Height AFF (M., 2:40 Height AFF (M., 2:40	S Daris Carda de Me	Level Max	
Id     Channel 1       DSP Block     ▼       Parlé MicrophoTCM-XA     ▼       TTM-XA ButtonFalse     ▼	8 Channel Lobes	Height AFF (M	2.40
DSP Block   Patié Micropho TCH-XA   TTH-XA   TTH-XA   TTH-XA		Id	Channel 1
Park Micropho TCM-XA  TTM-X Button False		DSP Block	
and TTM-X Button False 🔻		Parlé Micropho	
	Peak Meter	TTM-X Button	
LED Look Looic Inputs c V		LED Logic	Loaic Inputs c 👻 🔽

Logic Meter Parle Processing active mic output: AVerActiveMic

≪3 √ P01:Audio P	Partition1*									
0	· · · · 1 <sup>6</sup> · · · · · · · · · 1 <sup>10</sup> .	· · · · · · · · · · · · · · · · · · ·		· · · · · · <sup>25</sup> . · · · · ·	130		. 140	LogicMeter241		
×.		FarSide								
								Display Properties	DSP Properties	
-		Paté Asimut	n Maria (M. DCD			Orthogo Bartes Bartes Orthogo I and Martes 45	ALDER AND PARA	Show channel 1	• Show all 🔤	
								Configuration		• 1
	FarSide		PostAl	Signal Present Meter		Electronic Contraction		Allocated to unit		
								Reed in unit	False	-
e		🖄 Соре Мене		SpeechSense& SigPresNeters			Annowit - 411 RMS Neter	Instance Tag	AVerActiveMic	
		2Channel	Spee			Padé Deam	i in and	Channel 1 of 2	Fabe	
		TI Logic Deay		ogic Delay		8 Channel among Tracking		Identifier		
				SpeechSense &		SSSS 99990 - Contenant		State		
-			Logio Meter							
		NUMB Case	G AND	AND		Logic Mete				
						AverMeter1				
8			AND Gate			This processing	ter be used			
			Logic D	elay 2 Channel		n "Manual Mode Involvenant Pre-	Circside Alver			
		Logic Meter				10 AVerMetert				
	1									
	1 Charnel		2 Chenn	4						
-	PTZLINK>		0771 INV 9	Allectorised Ex						
	AVerFarEndAct									
*	This locic mater has	been added for bitum Alder	This logic m	eter is used when Aller is in						
	subscription and aw	oreness of Far End taker	putomixer o	de to validate which pendant the unently shows as active plus post Al						
			ARD AGO approach o	Speech Sense is active. This hould rule out noises such as door						
			slams and o	inly go high when speech is						

• Logic Meter block: **AVerMeterX** (X=1–4 starting with 1)



3. Click Channel Configure and select a pickup mode in AVer PTZ Link. Then click Save.

AVer PTZ Link		- 🗆 X
Link more devices 🕂		Subscription: Unlimited Admin 🕑 🧔
Select your device	Aver PT2 Link      Microphone Model     Biamp Systems      Pickup Mode      Parle Azimuth      The Instance Tag of the block to be controlled must be:     Parle Azimuth      The Instance Tag of the block to be controlled must be:     Parle Azimuth      The Instance Tag of the block to be controlled must be:     Parle Azimuth      The Instance Tag of the block to be controlled must be:     Parle Azimuth      Set the intensity threshold      O 8      Set the intensity threshold for Biamp's 'Parle Azimuth' mode      The setting range is between 0.01 and 1.00, with increments     of 0.01 for each setue.	Eeta C E g., Preset 1, Channel 2 or Zone Channel Configure Time Remarks
	Cancel Save Channel 6 Select preset V Off	×
Set Preset	Channel 7 Select preset V Off	
AVer		Go to 1 1/2

### Bosch

CCS 1000 D Digital Discussion System

**DICENTIS Wireless Conference System** 

- Each CCS 1000 D Control Unit supports up to 80 Discussion Devices.
- Assign each CCS 1000 D Discussion Device to one AVer PTZ Link channel by changing the seat name.
- A discussion unit whose talk button is pressed first takes priority over others until it is mute. For example, Channel 1 (pressed first) takes priority over Channel 2 whose talk button is also pressed.

🤗 AVer PTZ Link			– 🗆 X
Link more devices 🕂		Sut	oscription: Unlimited Admin 🕑 🔅
Select your device	Bosch - TR535 PTZ		Q E.g., Preset 1, Channel 2 or Zone
AT-UC50	Channel .	Active Position	
AT1061 C	Channel 1 I	Select preset V Off	
Bosch  Bo	Channel 2 I	Select preset V Off	
Bosch Contraction Bosch Bosch Contraction Bosch Contraction Bosch Bosch Contraction Bosch Contraction Bosch Contraction Bosch Contraction Bosch Contraction Bosch	Channel 3	Select preset V Off	~
Bosch1 C	Channel 4 Channel 5	Select preset V Off	

#### To set up CCS 1000 D:

- 1. Connect to the CCS 1000 D Control Unit via IP. Access the web interface with an administrator account.
- Go to System Settings > Users, create a user for AVer PTZ Link with the default username/password ptzlink/ptzlink. The password can be changed later. For User rights, select Manage meeting.

User set	tings	$\frown$				
Users			First name		AVer	
Administrato	r Administrator	$\bigcirc$	Last name		Information	
AVer Informa	ation		Username		ptzlink	
	Add new user					
	First name	AVer		User rights:		
	Last name	Information		Manage m	leeting	Configure
	Username	ptzlink		Prepare m	eeting	Prepare system
	Password	ptzlink		Modify use	ers	
	Confirm password	ptzlink				
	Cancel					Save

3. Go to System Settings > Network and general settings > General settings, deselect Automatically shut down the system when not used to avoid entering standby mode.

Network and general settings	
Network settings	
Hostname	ccs1000d
Wired	
Fixed IP	No
Cł	hange network settings
General settings	
Automatically shutdown the system when not used	
	Factory default

4. Go to **System Settings** > **Seats**, rename the **Seat name** ending with a space and a number to assign each discussion device to one PTZ Link channel of the same number.

Seat settings						
(2-2)	Seat name	Mode	Camera	Pre-position	* *	
	Seat 1	Normal ~	None ~			
	Seat 2	Normal ~	None ~			
Selection mod	e			De-init Rem	ove disconnected seats	

Seat 1 corresponds to channel 1, seat 2 to channel 2, and so on.

5. You'll be prompted to enter the same set of username and password when connecting to Bosch microphones in AVer PTZ Link.

#### Note:

CCS 1000 D Control Unit allows one login at a time. When connecting CCS 1000 D Discussion Devices to AVer PTZ Link, make sure you are not logged in anywhere else.

AVer PTZ Link		×
Link more devices 🕂		Subscription: Unlimited Admin 🕑 🔅
Select your device	Bosch - TR535 PTZ	Q E.g., Preset 1, Channel 2 or Zone
AT-UC50 CO Buss TR535 PTZ MIC		King 🔒 Remarks
AT1061 CO	please enter username and password to reconnect.	· •
Bosch OR MIC		·
Bosch C	Username	
Bosch1 C	Password	
Bosch2	Update	
Bosch3		
	Channel 7 Select preset 🗸	Off 🗸
Set Preset	Channel 8 Select preset 🗸	off v
AVer		Go to 1 ~ / 2

### ClearOne

BMA 360 + CONVERGE® Pro 2 DSP Mixers

- CONVERGE® Pro 2 connects up to 3 daisy-chained BMA 360 microphone arrays.
- AVer PTZ Link assigns 12 channels to each BMA 360. Unused channels are retained in the assigned BMA 360.

Daisy-Chained	Channel Start/End
1 <sup>st</sup> BMA 360	1-12
2 <sup>nd</sup> BMA 360	13-24
3 <sup>rd</sup> BMA 360	25-36

• When adding your device in PTZ Link, select your MIC channels in the drop-down list according to the number of BMA 360 daisy-chained.

Ø.	A1/	DT7 Ual	
101	Aver	PTZ LINK	
			Cancel
	ļ	Add your device	
	Conn	ect Camera via IP	
	Came	на IP	8
	Came	era Account	1
ĺ		era Password	â
ļ	MIC I		Ŷ
	Selec	t your MIC channels	~
	Select	your MIC channels	
	8	Channels (Default)	
	16	Channels	
	24	Channels	
	32	Channels	
	40	Channels	
	48	Channels	
	56	Channels	

#### BMA 360D

- Use CONSOLE AI Lite software to select preset beam patterns for common room or custom pattern for unique floorplans of up to 12 beams.
- Each microphone beam corresponds to one PTZ Link channel of the same number.



### Nureva

HDL300

HDL310

Dual HDL300

HDL410

#### To set up HDL microphones:

- Nureva Console Client:
  - 1. Turn on Enable camera tracking integration.
  - 2. Enter the IP address of the computer running AVer PTZ Link in the **Allowed host names / IP** addresses field.

Nureva® Console client	- [	⊐ ×
nureva	0	ŝ
DEVICES	HDL300 Manage online in Nureva® Console clo	oud
	Integrations	
	Camera tracking	
	Allows sound location data collected by this HDL300 to be used as input for third-party camera tracking. Learn more	
	Enable camera tracking Integration	
	Network Integration settings Host name: SUL-NB.mshome.net	
	IP address: 172.20.240.1 Local subnet mask: 255.255.240.0	
	Allowed host names / P addresses Enter names or addresses	

• AVer PTZ Link:

AVer PTZ Link divides HDL microphones' horizontal angles into 8-24 equal parts, which correspond to AVer PTZ Link channel 1-24.



Enter the IP address of the computer running Nureva Console Client as MIC IP in AVer PTZ Link.

	Cancel
Add your devi	ce
Camera IP	
Camera Account	
Camera Password	A
MIC IP	Ţ

#### To add a coverage area for HDL410 in AVer PTZ Link:

1. Click Channel Configure on the main page.

	0				
Select your	device	1 - PTZ330			Q, E.g., Preset 1, Chan
1	••			1	Channel Configure
PTZ330	MIC	Microphone		Human tracking	🗊 Remarks
2 🔒 TR313V2	• MIC		Preset 1	✓ of	~

- 2. Select Coverage from the Pickup Mode drop-down list.
- 3. Click Coverage Map Setting > Click Add Coverage.





- 4. Add a coverage area by dragging it.
  - You can add up to 8 coverage areas per microphone.
  - When coverage areas overlap, the microphone will default to the area with the smaller number.

### Sennheiser

TeamConnect Ceiling 2

TeamConnect Ceiling Medium

AVer PTZ Link divides TeamConnect Ceiling 2's and TeamConnect Ceiling Medium's horizontal angles into 8-24 equal parts, which correspond to AVer PTZ Link channel 1-24.

#### • TeamConnect Ceiling 2

An Exclusion Zone set in Sennheiser Control Cockpit also affects the corresponding channel in AVer PTZ Link.





Sennheiser Control Cockpit

#### • TeamConnect Ceiling Medium

The 3rd party media control access for TeamConnect Ceiling Medium is encrypted and protected using username and password. It has to be enabled using Sennheiser Control Cockpit before use.

d Audio	🕑 Zones	Device	🕂 Network	🗗 Access
TeamConnect Ceiling N	dedium 1 selecter			
3rd Party Access	Û	Device Access	Ū	
Access Activ	ated	Password **	**	
Password @User123	45 📀		Change Password	
	k Cancel			

#### To set a 3rd Party device control password:

- 1. Open Sennheiser Control Cockpit. Go to the Access tab in the device configuration page.
- 2. Activate the toggle switch.
- 3. Enter a password.
- 4. You can use the username "api" and configured password for your API calls.

#### Note:

- If you deactivate 3rd party access, the previously set password will be deleted.
- Password must be at least 10 characters and no more than 64 characters. Use at least one lowercase letter, one uppercase letter, one number and one special character (!#\$%&()\*+,-./:;<=>?@[]^\_{[}~).

### Shure

Shure® IntelliMix® P300 Audio Conferencing Processor Shure® IntelliMix® Room Audio Processing Software Shure® MXA310 Table Array Microphone Shure® MXA710 Linear Array Microphone Shure® MXA910 Ceiling Array Microphone Shure® MXA920-S / MXA920-R Ceiling Array Microphone

Shure® Microflex® Complete Wireless (MXCW) System

#### MXA310 Table Array Microphone



Web Application

- 1. Open the **Configuration** tab.
- 2. Select a template from the multi-channel options. Or select **Add Channel** to add more than 1 channel. AVer PTZ Link does not support single channel for the MXA310.

#### • MXA910 Ceiling Array Microphone

		lute Bypass al	I EQ EQ conto	ur Coverag	e Channels	IntelliMix			<b>\$</b> []
Bypass IntelliMix	Revert to defau	lts							
1	2		4	5	6	7	8	Automix	> Properties
Chennel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8	Automix Out	
Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix		
On 0 10 0 12 12 12 12 12 12 12 12 12 12	• On 100	On 112 122 122 122 122 122 122 12	• On 100	On 0 -12 -12 -12 -12 -12 -12 -12 -12	On 100	• On 112 122 124 124 124 124 124 124	• On 10 10 10 10 10 10 10 10 12 12 12 12 12 12 12 12 12 12	80 - 0 10	
Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Settings ^
0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	Automix mode Gating -
AGC	AGC	AGC	AGC	AGC	AGC	AGC	AGC	AEC NR	Maximum open channels 8 -
Priority	Priority	Priority	Priority	Priority	Priority	Priority	Priority	PEQ Comp	Leave last mic on
Always on Mute	Always on Mute	Always on Mote	Always on Mote	Always on Mute	Always on Mute	Always on Mute	Always on Mute	Delay Mute	Off attenuation (dB) -40 -+
									Hold time (ms) 400 - +
									SHURE

Web Application

Go to IntelliMix > Automixer Properties > Deselect Leave last mic on.

#### • MXA920-S / MXA920-R Ceiling Array Microphone

**Note:** To integrate with supported AVer camera tracking system via active talker positions, refer to <<u>Active Position</u>>.

ass IntelliMix	Revert to default	ts					_		
1	2	3	4	5	6 Observation	7	8	Automix	> Properties
Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Send to mix	Automation	
● On	● On	On	● On	• On	On	• On	• On		
	0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 10 10 10 10 10 10 10 10 10 1	0 10 10 10 10 10 10 10 10 10 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -12 -24 -00 -00 -00 -00 -00 -00 -00 -00 -00 -0	0 -12 -22 -24 -00 -15 -24 -36 -48 -48 -48 -40	0 112 112 112 112 112 112 112 11	••••
de ders Gain	de ders Gain	de ders Gain	de ders Gain	di dirs Gain	de dero Gain	d8 d8FS Gain	de ders Gain	di defo Gain	Settings
0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	0 + dB -	Automix mode Gating
									Automix gain meter
AGC	AGC	AGC	AGC	AGC	AGC Solo	AGC	AGC	AEC NR	Maximum open channels 8
Priority	Priority	Priority	Priority	Priority	Priority	Priority	Priority	PEQ Comp	Leave last mic on
Always on Mute	Always on Mote	Always on Mute	Always on Mute	Always on Mute	Always on Mute	Always on Mute	Always on Mute	Delay Mute	Off attenuation (dB) -40
									Hold time (ms) 400 -

Web Application

#### To manually position up to 8 lobes:

1. Go to Settings > General > Turn off Automatic coverage.

MXA920-S-ff89ff	Mute Bypass all EQ EQ contour	Coverage Channels	IntelliMix
Settings <			
General	General		
Firmware	Automatic coverage: Off		
Network	Manually add and adjust microphone channels		
IP configuration	Device name MXA920-S-ff89ff		Push to Dante
Security	Dante device name		
Permissions	MXA920-S-ff8c4b		

- 2. Go to IntelliMix > Automixer Properties > Deselect Leave last mic on.
- Click Channel Configure in AVer PTZ Link > Select Lobe as Pickup Mode: The lobes you have positioned in the MXA920's web application. They correspond to AVer PTZ Link channel 1-8.

4. Turn on Enable "Talker Position Advanced" to detect voice.

💭 AVer PTZ Link		– 🗆 X
Link more devices 🕂		Subscription: Unlimited Admin 🕑 🔅
Select your device	AVer PTZ Link Microphone Model Shure MXA920-R	X Q E g., Preset 1, Channel 2 or Zone
SHURE MXA920-R	Pickup Mode Lobe 🔹 Select Lobe, Autocoverage needs to be turned off Enable "Taiker Position Advanced" •••	Channel Configure  Time  Remarks  Channel Configure Conf

#### To add a mix of up to 8 dynamic and dedicated coverage areas:

 Go to Settings > General > Turn on Automatic coverage. The default setting is a 30 by 30 foot (9 by 9 meter) dynamic coverage area.

MXA920-S	-ff89ff	Mute EQ contour Coverage IntelliMix
Settings	<	
General		General
Firmware		Automatic coverage: On
Network		Turning off automatic coverage will allow the use of steerable lobes to configure this microphone
IP configuration		Device name MXA92D-S-ff89ff Push to Dante
Security		Dante device name
Permissions		MXA920-S-ff8c4b

- 2. To add more coverage areas, go to Coverage > Add coverage.
- Click Channel Configure in AVer PTZ Link > select Coverage as Pickup Mode: The coverage areas you have added in the MXA920's web application. They correspond to AVer PTZ Link channel 1-8.
- 4. Turn on Enable "Talker Position Advanced" to detect voice.

AVer PTZ Link		– 🗆 X
Link more devices 🕂		Subscription: Unlimited Admin 🕑 🔅
Select your device	Aver PTZ Link     Microphone Model     Shure IM/02/0 R	X Q. E.g., Preset 1, Channel 2 or Zone
SHURE MXA920-R	Pickup Mode Coverage	Channel Configure  Time  Remarks  Channel Configure  Time  Time Time
	Cancel Save	

### Yamaha

RM-CG Ceiling Array Microphone RM-TT Tabletop Array Microphone RM-CR Remote Conference Processor RM-W Wireless Microphone System

• AVer PTZ Link divides RM-CG's horizontal angles into 8-24 equal parts, which correspond to AVer PTZ Link channel 1-24.



- AVer PTZ Link voice tracking function requires linking more than one RM-TT or RM-W microphones for location data.
- When linking these microphones to the RM-CR Remote Conference Processor, enter the processor's IP address as **MIC IP** in AVer PTZ Link.

Add your dev	vice
Camera IP	<u></u>
Camera Account	*
Camera Password	â
MIC IP	<b>₽</b>

### **Install AVer PTZ Link**

- 1. Download AVer PTZ Link from AVer Download Center. (https://www.aver.com/download-center).
- 2. Double-click the downloaded .exe file.
- 3. Follow the instructions to install AVer PTZ Link.

### **Minimize and Quit AVer PTZ Link**

You can minimize AVer PTZ Link to the taskbar or a floating window during a video conference.

#### To minimize AVer PTZ Link to the taskbar:

- 1. Go to Settings 🖾 > System > disable Screen widget.
- 2. Click the minimize button on the top-right corner of the AVer PTZ Link window.
- 3. To make the minimized AVer PTZ Link active, click the **Show hidden icons** arrow  $\checkmark$  on the taskbar, right-click the AVer PTZ Link icon , and select **Open AVer PTZ Link**.

#### To minimize AVer PTZ Link to a floating window:

- 1. Go to Settings 🖾 > System > enable Screen widget.
- 2. Click the minimize button on the top-right corner of the AVer PTZ Link window.
- 3. To make the minimized AVer PTZ Link active, click the maximize button <sup>(2)</sup> on the floating window.

#### To quit AVer PTZ Link:

Click the X button  $\times$  on the upper-right corner of the AVer PTZ Link window.

Or click the Show hidden icons arrow  $\wedge$  on the taskbar, right-click the AVer PTZ Link icon @ and select Exit.

# Connections

It is recommended to connect all devices to the same local area network (LAN). Or UDP port-52381 and TCP port-2202 must be available between devices.



# **Get Started**

### **User Interface**

		Ğ			6	67
	Reference Aver PTZ Link					
0 —	Link more devices 🕂			Sut	bscription: Unlimited	Admin 🕑 🔅
	Select your device	SHURE920-S - TR	11HWV2		Q, E.g., Preset 1, C	hannel 2 or Zone
	Biamp 💽	Channel	Active Position		Channel Configure	<b>()</b> Time
		Microphone	Camera		Remarks	
2 —	SHURE920-S	Channel 1	Select preset	✔ Off	×	
•		Channel 2	Select preset	✓ Off	~	
		Channel 3	Select preset	✓ Off	~	
		Channel 4	Select preset	✓ Off	~	
		Channel 5	Select preset	✓ Off	~	
		Channel 6	Select preset	✔ Off	~	
_		Channel 7 I	Select preset	✔ Off	~	
<b>3</b> —	Set Preset	Channel 8	Select preset	✓ Off	~	
	AVer				Gc	o to 1 🗸 / 1

#### 1. Link more devices +

Add cameras and microphones.

#### 2. Device Group List

Displays added camera and microphone groups.

#### 3. Set Preset

- 4. Voice Tracking Modes
- 5. Subscription or Free Trial Status

#### 6. Account Type

An admin has full access of functions.

To switch to an **Admin** account, click the toggle and enter the admin account password. To switch back to a **User** account, exit and restart AVer PTZ Link.

#### 7. System Settings

### **Device Group List**



#### 1. Camera Status

Click the **question mark** icon ? for descriptions.

lcon	Status
2	Device online.
	Device offline
	Virtualcam is sent to the third party program
<b>P</b> 053	Virtualcam is enabled
2	Incorrect account or password
2053	Inactivated

#### 2. Hamburger Menu

Hover your cursor over a device group to see the hamburger menu.

- Edit: Edit the device group.
- Delete: Delete the device group.
- Priority: Assign a priority group ★.

#### 3. Toggle

Enable or disable a device group.

#### 4. Microphone Status

<ul> <li>Green</li> </ul>	Online
Gray	Offline

# **Add Devices**



Add up to 5 camera + microphone groups (free) or 25 camera + microphone groups (premium).

- 1. Click Link more devices + on the top-left corner of the interface.
- 2. Select Connect Camera via IP or Connect Camera via USB from the drop-down list.

#### Note:

- Make sure you have turned off sleep mode on the connected USB camera.
- The resolution of connected USB camera for video conference must be 720p or higher.

3. Enter the camera and microphone information.

Items	Description
Camera IP	Enter the IP address of the camera. You can add both online and offline cameras.
Camera Account	Enter the account of the camera.
Camera Password	Enter the password of the camera.
MIC Brand	Select the microphone brand.
MIC IP	Enter the IP address of the microphone.
MIC Channels	Select the number of microphone channels.
Device Name	Enter a name for the device group in fewer than 20 characters.

4. Click Link to add the camera and microphone group to the device group list.

AVer PTZ Link				– 🗆 X
Link more devices 🕂			Subscrip	tion: Unlimited Admin 🕑 🔅
Select your device	Room A - TR311N			Q E.g., Preset 1, Channel 2 or Zone
Room A 🔹 🚺	Channel			C Time
	Microphone Channel 1	Camera Preset 0	Human tracking <b>O</b> ff	
	Channel 2	Select preset V		
	Channel 3	Select preset V		
	Channel 4	Select preset 🗸		
	Channel 5	Select preset V		
	Channel 6	Select preset V		
Set Preset	Channel 8	Select preset V		
AVer				Go to 1 1/1

 You can also assign a priority Group if multiple device groups share the same camera (Refer to <<u>Assign a Priority Group</u>>.

### Assign a Priority Group



You can assign a priority group for the camera to go to when:

- Multiple groups share a camera.
- Microphone detects no sound (default preset 0).
- Multiple Speakers Mode activates (default preset 0).
- Microphone detects far end speakers (Sennheiser microphones only, default preset 0)
- 1. Hover the cursor over a group, then click the **hamburger** icon  $\blacksquare$ .
- 2. Select **Priority**. The **star** icon ★ will indicate a priority group.
- 3. To cancel priority, deselect Priority.

## Set a Preset

### **IP Cameras**

1. Click to select an IP camera on the device group list.

🛞 AVer PTZ Link					- 🗆 X
Link more devices 🕂			Subsci	ription: Unlimited	Admin 🕑 🔅
Select your device	Room A - TR311N			Q E.g., Preset 1,	Channel 2 or Zone
Room A 💽	Channel				<b>()</b> Time
TR311N 🔹 MIC	Microphone		Human tracking 🕤	Remarks	
	Channel 1	Preset 0 V	Off	~	
	Channel 2	Select preset	Off	~	
	Channel 3	Select preset 🗸	Off	~	
	Channel 4	Select preset	Off	~ [	
	Channel 5	Select preset 🗸	Off	~	
	Channel 6	Select preset V	Off	~	
	Channel 7	Select preset 🗸	Off	×	
Set Preset	Channel 8	Select preset 🗸	off	~	
AVer				(	Go to 1 🗸 / 1

- 2. Click Set Preset. The camera web interface will open in your browser.
- 3. On the web interface, go to Live View > Preset.
- 4. Position the camera using pan, tilt and zoom controls, enter a preset number (0–255) in the **Save Preset** field, then click **Save**.

Camera Control		Preset							
		Save Preset			Load Preset				
<b></b>	Ð	1	Save		1		Load		
		Video Freeze while Preset			Quick Call				
	Zoom	•	0		0	1	2	3	4
		Ōn	Off		5	6	7	8	9
	Q	Preset Speed	5	i0	10	11	12	13	14
l ·		5	2	200	15	16	17	18	19

### **USB** Cameras

1. Click to select a USB camera on the device group list.

NVer PTZ Link						_	×
Link more devices 🕂				Subso	ription	a: Unlimited Admin	© ©
Select your device	Room A - TR311HWV2				Q	E.g., Preset 1, Channel 2 or Zo	he
Room A C	Channel						ne
				luman tracking (	D R		
	Channel 1	Preset 1	•	Presenter	•	whiteboard	
	Channel 2	Preset 2	•	Zone	<b>~</b> [	front door	
	Channel 3	Preset 3	•	Hybrid	<b>~</b>	seat 1	
	Channel 4	Preset 4	•	Off	•	seat 2	
	Channel 5	Select preset	•		~(		
	Channel 6	Select preset	•		~		
	Channel 7	Select preset	•		~[		
Set Preset	Channel 8	Select preset	•		~		
AVer						Go to 1	/1

- 2. Click Set Preset. A live view window will appear.
- 3. Select the USB camera from the drop-down list on the control panel.



4. Click to select a preset number you want to save, position the camera using pan tilt and zoom controls, then click **Save**.

You may return to your defined position at any time by clicking the preset number.

# Set up Voice Tracking

# **Channel Mode**

🙊 AVer PTZ Link			- 🗆 🗙
Link more devices 🕂		Subscription: Unlimited	Admin 🛛 🔅
Select your device	SHURE920-S - TR311HWV2	Q E.g., Preset 1, Ch	annel 2 or Zone
Biamp Constraints Biamp Constr	Channel Active Position	Channel Configure	<b>Time</b>
SHURE920-S CO SHURE920-S S SHURE920-S SHURE920	Channel 1 Select pres	et V Off V	
	Channel 2 Select pres	et 🗸 Off	
	Channel 3 Select pres	et 🗸 Off 🗸	
	Channel 4 Select prese	et 🗸 off 🗸	
	Channel 5 Select pres	et 🗸 Off 🗸	
	Channel 6 Select pres		
Set Preset	Channel 7 III Select pres	et 🗸 off 🗸	
	Channel 8 Select presi	et 🗸 Óff 🗸 🖌 Go	to 1 × /1
AVer			

Pairing microphone channels with presets turns AVer cameras into voice tracking cameras. When the camera detects sound from a microphone channel, the camera will go to the paired preset.

An **audio signal** icon **will** identify which channels detect voice, while a blue highlight will indicate an active channel.

- Make sure you have defined the required presets (Refer to <<u>Set a Preset</u>>) and configured microphones (Refer to <<u>Supported Microphones</u>>).
- 2. Click to select a device group. A blue frame will indicate that it is selected.
- 3. Go to Channel, then select a preset from the drop-down list for each microphone channel.

4. You can also select a **Human tracking** mode to follow the presenter in real time. Make sure you have configured tracking modes on the camera web interface.

Example:



Microphone detects voice

Camera goes to preset

Presenter Tracking

**Note**: Tracking modes may vary depending on your AVer camera model. Make sure you have configured tracking modes on the camera web interface.

5. Add Remarks to identify the location.

**Note**: Remarks can also appear as text overlays on the live view for USB cameras. Go to **System Settings > Camera Setting >** turn on **Display channel remarks on virtual camera**.

6. Click the **Time** button **O Time** to set a delay before the camera goes to a preset.

NVer PTZ Link				×
Time to trigger Preset				
1 sec			~	
Multiple Speakers Mode behavior			0	
Back to Preset 0			~	
Count speaker by audio signal				
Only count the channel with prese	i positio	n		
Time to trigger		Time to quit		
5 sec	~	5 sec	~	
Time to go to Preset 0				
Disable			~	
The number in seconds needs big	ger tha	n "Time to trigger preset"		
Cancel		Save		

Item	Description
Time to trigger Preset	Set a delay before the camera goes to a preset.
Multiple Speakers Mode behavior	When multiple voices are detected, Multiple Speakers Mode activates and the camera goes to preset 0 of the last camera to minimize disorienting movements. Refer to < <u>Multiple Speakers</u> <u>Mode Conditions</u> > for details.
	<ul> <li>Enable Multiple Speakers Mode by selecting Back to Preset 0.</li> <li>You can also assign a different preset for the camera to go to. Refer to &lt;<u>Assign a Priority Group</u>.&gt;</li> </ul>
Time to go to Preset 0	Set a delay before the camera goes to preset 0 of the last camera when the microphone detects no sound.
	<ul> <li>You can also assign a different preset for the camera to go to. Refer to &lt;<u>Assign a Priority Group</u>.&gt;</li> <li>The duration of <b>Time to go to Preset 0</b> must be longer than <b>Time to trigger Preset</b>.</li> </ul>

Far end speakers trigger	If the microphone detects voice from the far end of the room, such
Preset 0 (Sennheiser	as during a video conference, the camera will go to preset 0 of the
microphones only)	last camera.
	<ul> <li>You can also assign a different preset for the camera to go to. Refer to &lt;<u>Assign a Priority Group</u>.&gt;</li> </ul>

### **Multiple Speakers Mode Conditions**

Conditions	Enter Mode	Leave Mode	
Active channel (default)	3 active channels are active in a set time (Time to trigger).	Fewer than 3 active channels are active in a set time (Time to quit).	Time to trigger Preset         1 soc       ~         Multiple Speakers Mode behavior       ①         Back to Preset 0       ~         Court speaker by audio signal       ①         Only count the channel with preset position       ①         Time to trigger       Time to quit         10 secs       ~
Active channel with preset	3 active channels with presets are active in a set time (Time to trigger).	Fewer than 3 active channels with presets are active in a set time (Time to quit).	Time to trigger Preset  1 sec  Wultiple Speakers Mode behavior Back to Preset 0  Court speaker by audo signal Creb court the channel with preset position  Time to frigger Time to quit  10 secs  10 secc  10 secc  10 secs  10 secs
Audio signal channel Suitable for gooseneck discussion units	2 or more audio signal channels are active at the same time.	1 or no audio signal channel is active at the same time.	Time to trigger Preset  1 sec  Multiple Speakers Mode behavior Back to Preset 0  Court speaker by audio signal Conty count the channel with preset position Time to trigger Time to trigger  Time to quat  10 secs  10 secs
Audio signal channel with preset Suitable for gooseneck discussion units	2 or more audio signal channels with presets are active at the same time.	1 or no audio signal channel with preset is active at the same time.	Time to trigger Preset  Soc  Multiple Speakers Mode behavior Back to Preset 0  Count speaker by audio signal Only count the channel with preset position  Time to trigger Time to trigger  Time to trigger  10 secs  10 sec

Note: The durations of Time to trigger and Time to quit must each be at least 3 times that of Time to trigger preset.

# **Active Position (Premium)**

NVer PTZ Link			- 🗆 X
Link more devices 🕂		Subscription: U	Inlimited Admin 🛛 🔅
Select your device	SHURE920-R - TR535 PTZ		
Biamp	Channel Active Po	sition	() Time
SHURE920-R CONCENTRATION SHURE920-R CONCENTRATION SHURE920-R CONCENTRATION SHURE920-R CONCENTRATION SHURE920-R	Position view	Coverage not assigned V	Re-configure
Set Preset			
AVer			

Active Position reports active talker positions from supported microphones in the form of X, Y, Z coordinates to deliver enhanced camera tracking.

### **Supported Devices**

USB-connected <u>supported AVer cameras</u> Shure® MXA920-S / MXA920-R Ceiling Array Microphone

### **Square Microphone Calibration**

- 1. Make sure the camera has been paired with a microphone.
- 2. Click to select a device group. A blue frame will indicate that it is selected.

Aller #TZ Link				- 0 X
Link more devices 🕂				
Select your device	Meeting Room A - M	ND330		Q E.g., Preset 1, Channel 2 or Zone
Meeting Room A 🗊 🗹 🌑	Channel			() Time
	Channel 1	Select preset	Human tracking 🗨	Kempika
	Channel 2	Select preset	• or	-

Click the Active Position tab and follow the setup wizard.
 Click the question mark 
 in the top-right corner for instructions.

Select	t he way camera is installed	
	Upright Y	
0	)-2-3-4	Next



Dragging the red dot to align the red line to the top or bottom edge of the microphone.



The microphone doesn't need to be in the center of the live view, as long as the red line is aligned to the edge. Adjust the camera angle using pan, tilt and zoom controls, if the microphone appears at a slight angle.



Starting from the top left, locate 3 microphone corners in a clockwise direction with a red cross.



Click Set. The saved location will appear in the thumbnail.



Finally, locate the logo on the microphone to indicate its orientation. Depending on the microphone

orientation, the logo corner may be the same as one of the 3 corners.



Click Next after locating 3 corners and the logo. Or click Reset to relocate all of them.



Make sure the red cross appears in the center of the microphone, and click **Save**. Or click **Back** to reconfigure.

### **Round Microphone Calibration**

- 1. Make sure the camera has been paired with a microphone.
- 2. Click to select a device group. A blue frame will indicate that it is selected.

Aller #TZ Link				- 0 X
Link more devices 🕂				
Select your device	Meeting Room A - M	ND330		Q E.g., Preset 1, Channel 2 or Zone
Meeting Room A 🗊 🗹 🌑	Channel			() Time
	Channel 1	Select preset	Human tracking 🗨	Kempika
	Channel 2	Select preset	• or	-

Click the Active Position tab and follow the setup wizard.
 Click the question mark 
 in the top-right corner for instructions.

Select	t he way camera is installed	
	Upright Y	
0	)-2-3-4	Next



Dragging the red dot to align the red lines to the top and left edge of the inner diameter so that the

red cross appears at the center.



Locate the top point of the inner diameter with the red cross.



Click to mark the position of the LED.



Make sure the red cross appears in the center of the microphone, and click **Save**. Or click **Back** to reconfigure.

### Add a Coverage Area

- 1. On the MXA920 web application, go to Settings > General > Automatic coverage.
- 2. Turn on **Automatic coverage** to add a mix of up to 8 dynamic and dedicated coverage areas,. The default setting is a 30 by 30 foot (9 by 9 meter) dynamic coverage area.

MXA920-S-ff89ff	Mute EQ contour Coverage IntelliMix
Settings <	
General	General
Firmware	Automatic coverage: On
Network	Turning off automatic coverage will allow the use of steerable lobes to configure this microphone
IP configuration	Device name Push to Dante
Security	Dante device name
Permissions	MXA920-S-ff8c4b

- 3. To add more coverage areas, go to **Coverage > Add coverage**.
- Go to Active Position in AVer PTZ Link > select Coverage not assigned to use all coverage areas.

Or select a coverage area that you have added in the web application from the drop-down list. Talker positions outside of the selected coverage area won't be picked up by AVer PTZ Link.

📵 AVer PTZ Link			_	×
Link more devices +			Subscription: 2022/12/30	ŵ
Select your device	Meeting room A	- TR311		
Meeting room A 💼 🗹 💽	Channel	Active Position	() Time	
	Position View	Coverage not assigned Coverage not assigned Coverage not assigned Coverage 1 Coverage 3 Coverage 4	Re-configure	
Set Preset				
AVer				

5. To change coverage areas, click **Re-configure**.



# **AVer PTZ Link System Settings**

Click the **System settings** icon ion the upper right corner of the main page to configure system settings.

# System

System	Version	V1.3.1064.0	Check f	or Update
License	Language	Eng	lish	~
Camera Setting	Help us improve our services with usag	je data Enal	ble	~
HTTP Request	Automatically run PTZ Link on PC start	up Disa	ıble	~
Help Center	Screen widget Put PTZ Link at a glance on your device d	esktop	ıble	~
About	Pause Tracking	Stay	r put	~
Privacy Policy	Behavior of close button on title bar	Mini	mize applica	ation 🗸
	Setting data	Im	iport	Export

Item	Description
Version	View software version and check for update.
Language	Select a preferred language.
Help us improve our services with usage data	Opt-in to or opt-out of providing usage data.
Automatically run AVer PTZ Link on PC startup	Add AVer PTZ Link to run at startup.
Screen widget	<ul> <li>Enable or disable a floating window when minimizing AVer PTZ Link.</li> <li>U Disable all devices on the device group list. Or set the camera's pause position in Pause Tracking.</li> <li>Resume all devices on the device group list.</li> </ul>

	- 🕝 Maximize AVer PTZ Link.
	<ul> <li>The screen widget also works in Zoom.</li> </ul>
Pause tracking	Select if a camera stays at the last position or return to Preset
	0 when tracking is paused.
Behavior of close button on title	Choose to minimize or quit AVer PTZ Link when closing the
bar	window.
Setting data	Export or import device settings such as camera-microphone
	pairs, presets, and channels when changing computers. This
	data doesn't include license information.

# License

Enter your license key to upgrade to the premium version.

- One license key can only be activated on one computer.
- To transfer your license key to another computer, deactivate the license key from your old computer and activate it on your new computer.

#### To start a 60-day free trial:

1. Go to the License tab, then click Start Free Trial.

System	Get ready to enhance your audio video collaborations with PTZ Link and its unprecedented features!
License	
Camera Setting	Enter a key code to activate more features
HTTP Request	After the expiry of the subscription, a key code(license) is required. Please contact your local authorized dealer/distributor to purchase a license key.
Help Center	Enter your license key here Activate
About	
Privacy Policy	OR
	Try more advanced functions for 60 days
	See if the new features are right for you. Click the button below and take advantage of a 60-day free trial.
	Start Free Trial

2. Subscribe for the latest updates on AVer PTZ Link.

3. Your free trial starts immediately. Check the free trial expiration date on the License tab or on the upper-right corner of the main page.

Your free trial is activate	ed	
	Free trial: 2024/06/28	
Link more devices 🔸		Free trial: 2024/06/28 Admin 🕑 🔅
Select your device	Biamp - TR535	Q E.g., Preset 1, Channel 2 or Zone
Blamp C	Channel Active Position Microphone Camera Huma	n tracking 👔 Remarks

#### To activate the license key:

1. Go to the License tab, enter your license key, and click Activate.

System	Get ready to enhance your audio video collaborations with PTZ Link and its unprecedented features!	1
License		
Camera Setting	Enter a key code to activate more features	
HTTP Request	After the expiry of the subscription, a key code(license) is req contact your local authorized dealer/distributor to purchase a	uired. Please license key.
Help Center		Activate
About		

2. Follow the on-screen instructions to complete the activation.

**Note:** If you upgrade to the Premium version during your free trial period, you will immediately lose access to the remainder of your free trial. You cannot reactivate this trial. Click **No, start Free Trial first** to use the free trial first.

#### To deactivate the license key:

1. Go to the License tab, then click Deactivate.

System	Current Plan Status	Premium 💎
License	Date activated	2022/09/12
Camera Setting	Expiration date	Unlimited
HTTP Request	Your key code	
Help Center	Deactivate your license Once this license key is deactivated on this PC, you can utilize the kev on another PC.	Deactivate
About	Contact Information	
Privacy Policy		Update Contact Info

2. Follow the on-screen instructions to complete the deactivation.

# **Camera Setting**

Note: Camera Setting applies to virtual cameras (USB cameras) only.

System	Virtual camera layout	Single	~
License	Display channel remarks on virtual camera	Off	~
Camera Setting	Mirror channel remarks	Off	~
HTTP Request	Switching camera delay time	Off	~

Item	Description
Virtual camera layout	<ul> <li>Select a live view layout for USB cameras:</li> <li>Single: When multiple USB camera groups detect sound at the same time, the layout will be a single live view showing one active speaker.</li> <li>Side-by-side (Windows only): When multiple USB camera groups detect sound at the same time, the layout will be a side-</li> </ul>
	by-side live view showing two active speakers.
Display channel remarks	Turn on to display remarks as text overlays on the live view. Add
on virtual camera	remarks to identify the location of each channel.
Mirror channel remarks	Turn on to mirror remarks on the live view.
Switching camera delay time	Set a delay time before switching to anther camera's live view for a seamless transition.

# **HTTP Request**

HTTP request allows third-party integration and lets you quickly perform various tasks to your groups on the device group list.

System	HTTP Request	Enable	• ~
License	HTTP default login username		admin
Camera Setting	Reset Password A password is required for HTTP basic authentication		Reset
HTTP Request	HTTP Port		Edit

- 1. On the main page, go to **Settings > HTTP Request**.
- 2. Set up the HTTP request configuration:
  - Enable HTTP Request from the drop-down list.
  - Click **Reset** to set up a password.
  - Click Edit to enter a port number.
- 3. Execute any of the following HTTP requests:

Account	HTTP default login username <b>admin</b> .
Password	The password you set up in step 2.
IP Address	IP address of your computer.
Port	The port number you set up in step 2.

Function	Request
Pause all groups	http://[account]:[password]@[IP Address]:[port]/request=pause
Resume all groups	http://[account]:[password]@[IP Address]:[port]/request=resume
Query pause status of	http://[account]:[password]@[IP
all groups	Address]:[port]/request=queryPauseStatus
Disable all groups	http://[account]:[password]@[IP Address]:[port]/request=disableAll
Enable all groups	http://[account]:[password]@[IP Address]:[port]/request=enableAll
Disable a specified	http://[account]:[password]@[IP
group	Address]:[port]/request=disable&group=[Group ID]
Enable a specified group	http://[account]:[password]@[IP
	Address]:[port]/request=enable&group=[Group ID]
Query status of a	http://[account]:[password]@[IP
specified group	Address]:[port]/request=queryStatus&group=[Group ID]

# **Help Center**

System	User Manual	Read
License	Console	Open
Camera Setting		
HTTP Request		
Help Center		
About		
Privacy Policy		

Item	Description
User manual	Click Read to open the user manual in your browser.
Console	Open a debug console window showing microphone status. You can
	clear, pause or save the result.

# About

View the terms and conditions.

# **Privacy Policy**

View the privacy policy.

# Troubleshoot

#### Which third-party microphone systems are supported?

Refer to <<u>Supported Microphones</u>>.

#### Pause voice tracking

- Mute the microphone on the respective software or web interface to stop reporting audio data to AVer PTZ Link. Or press the physical mute button, if any.
- Turn on AVer PTZ Link screen widget. Click the pause button on the screen widget to disable all groups on the device group list. Click the resume button on the screen widget to resume all groups.

#### How does Shure microphones' Mute function work with AVer PTZ Link?

 If a channel is muted on the Shure web interface, the corresponding channel of AVer PTZ Link will not detect sound.



#### Camera is too sensitive and flickering between presets.

- Set a longer delay for <u>Time to Trigger Preset</u>.
- If you camera is shared among several camera and microphone groups, assign a priority group.

#### Sennheiser TeamConnect Ceiling 2 picks up sound from all over the room.

When conversations go back and forth, assign a **Priority Zone** in Sennheiser Control Cockpit to minimize flicking between presets.

For details on the Priority Zone, please visit: <u>https://www.sennheiser-sites.com/responsive-manuals/SCC/EN/index.html#page/SCC\_EN/SCC\_04\_EN.5.3.html#ww1106250</u>.

