

AVer PTZ Link

User Manual



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Contact Information

Headquarters

AVer Information Inc. https://www.aver.com 8F, No.157, Da-An Rd., Tucheng Dist., New Taipei City 23673, Taiwan Tel: +886 (2) 2269 8535

USA Branch Office

AVer Information Inc., Americas https://www.averusa.com 668 Mission Ct., Fremont, CA 94539, USA Tel: +1 (408) 263 3828 Toll-free: +1 (877) 528 7824 Technical support: support.usa@aver.com

Europe Branch Office

AVer Information Europe B.V. https://www.avereurope.com Westblaak 134, 3012 KM, Rotterdam, The Netherlands Tel: +31 (0) 10 7600 550 Technical support: eu.rma@aver.com

Japan Branch Office

アバー・インフォメーション株式会社
https://jp.aver.com
〒160-0023 日本東京都新宿区西新宿 3-2-26 立花新宿ビル 7 階
Tel: +81 (0) 3 5989 0290
テクニカル・サポート: Support.EDU.JP@aver.com

Vietnam Branch Office

Công ty TNHH AVer Information (Việt Nam) Tầng 5, 596 Nguyễn Đình Chiểu, P.3, Quận 3, Thành phố Hồ Chí Minh 700000, Việt Nam Tel: +84 (0)28 22 539 211

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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, ClearOne, Nureva, Sennheiser, Shure and Yamaha. It provides IP-based control and enables users to turn AVer cameras into voice tracking cameras by setting preset points. 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

Features	Free	Premium (60-Day Trial)
IP connectivity	\checkmark	\checkmark
USB connectivity		\checkmark
Virtual camera*		\checkmark
Automatic video switching*		\checkmark
Human tracking		✓
AVer camera + microphone group	5	25
Microphone channel	8	128
Preset point	256	256
*Mindowe® and anly		

*Windows® app only

Supported AVer Cameras

eappointed inte	er eumerue			
PTC V2 Series	PTC500 Series	PTC330 Series	PTC310 Series	PTC115 Series
PTC330UV2	PTC500S	PTC330	PTC310	PTC115
TR333V2	TR530	TR331	TR311	TR320
PTC320UNV2	PTC500+	PTC330N	PTC310U	PTC115+
TR323NV2	TR530+	TR331N	TR313	TR320+
PTC320UV2		PTC330U	PTC310H	
		TR333		
PTC310UV2			PTC310N	
TR313V2			TR311N	
PTC310HWV2			PTC310UN	
TR311HWV2			TR313N	
			PTC310HN	
PTZ330 Series	PTZ310 Series			
PTZ330	PTZ310			
PTZ330N	PTZ310N			
DL Series				
DL30				
*US model name in	italics			

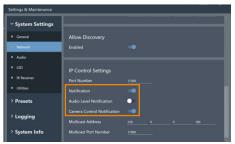
US model name in italics

Supported Microphones

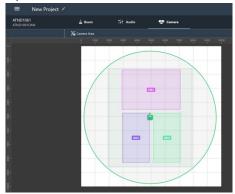
[Note] Models with an asterisk (*) require configuration in their respective software before using PTZ Link.

Audio-Technica ATND1061 Beamforming Ceiling Array Microphone*

• Turn on **Notification** and **Camera Control Notification** in Digital Microphone Manager software.



• Add a Camera Area in Digital Microphone Manager software. Each Camera Area group corresponds to Channel 1-8 in PTZ Link.



ClearOne

BMA 360 Microphone System* CONVERGE® Pro 2

- CONVERGE® Pro 2 supports up to 3 daisy-chained BMA 360s.
- PTZ Link assigns 12 fixed channels to each BMA 360. Unused channels are retained in the assigned BMA 360 as shown below.
- When adding your device in the PTZ Link, select your MIC channels in the drop-down list accordingly.

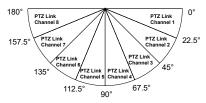
Daisy-Chained	Channel Start/End
1 st BMA 360	1-12
2 nd BMA 360	13-24
3 rd BMA 360	25-36



Nureva

HDL300*

- Dual HDL300
- PTZ Link divides the HDL300's horizontal angles in to 8 equal parts, which correspond to Channel 1-8 of PTZ Link.



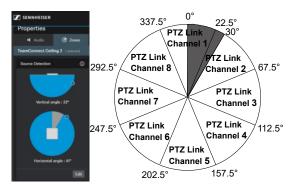
• Turn on Camera tracking and whitelist the IP address of the PC running PTZ Link in the cloud-based Nureva Console Client.

Nureva ⁴ Console client		- 0 ×
@revo		0 @
DEWCES	HDL300	Manage celline in Nureva* Console cloud
HDL300	Integrations	
	Camera tracking	^
	Allows sound location data collected camera tracking. Learn more	t by this HDL300 to be used as input for third-party
	Enable camera tracking integration	
	Network integration settings	
	Host name: SUL NB.muhome.net 0 P address 172.20.2401	
	Local subset mask: 255.255.240.0	
	8931	
	Allow the following to access sound	location data from this device:
	Enter names or addresses	
	enter hames or addresses	

 Set the PC running Nureva Console Client's IP address as MIC IP in PTZ Link.

Sennheiser

- PTZ Link divides TeamConnect Ceiling 2's horizontal angles into 8 equal parts, which correspond to Channel 1-8 in PTZ Link.
- An Exclusion Zone set in the Sennheiser Control Cockpit software also affects the corresponding channel in PTZ Link as illustrated.



Shure

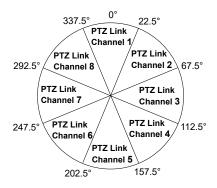
Microflex® Complete Wireless IntelliMix® P300 Audio Conferencing Processor MXA310 Table Array Microphone* MXA710 Linear Array Microphone* MXA910 Ceiling Array Microphone MXA920 Ceiling Array Microphone

- PTZ Link does not support single channel for the MXA310. Add more channels for the microphone in the Shure Designer software or web application.
- MXA710 requires configuration in the Shure Designer software prior to using PTZ Link.

Yamaha

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

 PTZ Link divides RM-CG's horizontal angles into 8 equal parts, which correspond to Channel 1-8 in PTZ Link.



 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, set the processor's IP address as MIC IP in PTZ Link.

Minimum System Requirement

PC hardware and software requirement

- CPU: Intel[®] Core[™] i5 or higher
- RAM: 4GB or more
- HDD: 300MB (Free Space)
- OS: Windows[®] 7, 8.1, 10, 11 & macOS v10.14 or later
- Network available

Installing AVer PTZ Link

- 1. Download AVer PTZ Link to your computer.
 - The installer can be downloaded from the AVer website (https://www.aver.com/download-center).
 - The installer includes AVerCamera Setting Tool. You can find more in the section AVerCamera Setting Tool.
- 2. Double-click the downloaded .exe file.
- 3. Follow the instructions displayed on the setup wizard to install AVer PTZ Link.

Hardware Connection

Please make sure all devices are well-connected and power on. Needs to install "AVer PTZ Link" application on the server site. For IP Camera connection (free version), all devices are suggested to be connected on the same LAN, or UDP port - 52381 & TCP port - 2202 must be available between devices. Ethernet AVer camera AVer PTZ Link Router/PoE Switch (LAN) Server Site Microphone For Virtual Camera connection (premium version), connect the camera to the USB port on the server site. USB Ethernet AVer camera 1 AVer camera N AVer PTZ Link Server Site Digital Signal Processor Router/PoE Switch (LAN) Microphone

PTZ Link Main page

	AVer PTZ Link						Subscri	ption: U	Jnlimited Admin 😝 🕏	^ 5*	3
	LINK MORE devices	T Ø						L	,	**	5
	Select your de	vice	Room A - TR31	1HWV2				Q E.g.	n, Preset 1, Channel 2 or Zone	P	
	Room A	С • Міс	Channel Microphone	_			Human tracking 🔒		Time		
1	 Room B	● MIC	Channel 1		Preset 1	•	Presenter	whit	iteboard		
	Room C	 ● MIC	Channel 2		Preset 2	*	Zone	fron	ntarea		
			Channel 3		Preset 3	~	Hybrid	PTZ	Z camera		6
			Channel 4		Preset 4	~	on				
			Channel 5		Preset 0	~	Off				
			Channel 6 Channel 7		Select preset						
2	 Set Preset		Channel 8		Select preset						
	AVer								Go to 1 🗸 / 1		

- Device List: You can use the device list to add/delete/edit or enable/disable the devices. Please refer to <<u>Device List</u>> and <<u>Add Devices</u>>.
- Set Preset: Click to set up preset positions. This button will only be available when the selected device has been enabled (
 toggle the switch to enable).
 Please refer to <<u>Set Up Preset Positions</u>> for more details.
- 3. Account Name: Displays the system (PC) login account. If you have logged in your system with administrator account, when launching PTZ Link, the toggle

button will display **Admin** Admin Admin Admin Admin Admin Admin Admin Button will be able to operate full functions.

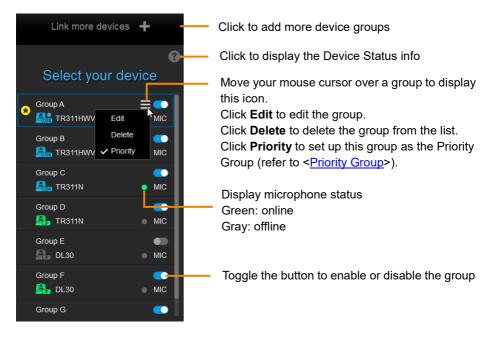
If you have logged in your system with other user account, when launching PTZ Link, the toggle button will display **User User**, and you will have limited functions to be operated. In this case, you can toggle the button to switch the account to **Admin**. A message window pops up to instruct user to input the password of administrator account to log in. To switch back to the **User** account, close the PTZ Link and restart it again.



- AVer PTZ Link Information: You can view system information, change system language, activate premium license and etc. using this page. Please refer to <<u>AVer PTZ Link Information</u>> for more details.
- **5. Expiration Date:** Shows the expiration date of your premium license or the free trial subscription.
- 6. Voice Tracking Configuration: After adding the devices to the program, you can configure Channel setup to perform the voice tracking function. Please refer to <<u>Voice Tracking Configuration</u>> for more details.

Device List

For premium version users, you can add up to 25 device groups (camera and microphone combination) to the Device List. For free version users, up to 5 device groups are supported. AVer PTZ Link supports both IP camera (free version) and USB camera (premium version) connection.



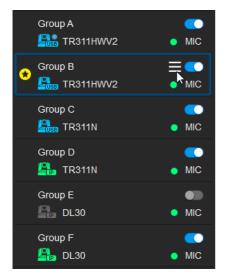
Icons below indicate the device status which includes the camera and microphone:

lcon	Device Status
2	Device (IP camera) is online.
	Device is offline.
	Virtual Camera is sent to the third party program.
Puss	Virtual Camera (camera connected by USB) is enabled.
26	Incorrect account or password.
P USB	Inactivated.

Priority Group

The Priority Group function can be used when multiple groups are sharing the same camera, and when their paired microphones detect the same voice of a person at the same time, the camera will only move to the preset position configured in the Priority Group.

To set up a group as the Priority Group, move your mouse cursor over a group, the icon appears. Click **Priority**, this group will be marked with the *icon*, which indicates this is the Priority Group. To disable priority, click **Priority** again.



In this image, both Group A and Group B are sharing the same camera (TR311HW2), and the connection of the camera in both groups is via USB. Group B is set up as the Priority Group.

Group A: TR311HW2 + MIC 1 Group B: TR311HW2 + MIC 2 (Priority)

When MIC 1 and MIC 2 both detect a voice from a person at the same time, the TR311HW2 camera will move to the preset position configured in Group B.

Import notes for the Priority function to take effect

- Only the same camera with the same connection type will take effect Take the image above as an example, since the Priority Group can only be applied to the groups paired-up with the same camera, let's see how the Group A with Group B and Group C with Group D will work when applying the Priority Group function.
 - <u>Group A with Group B</u>: The Priority Group will be valid as both of Group A and Group B are sharing the same camera, and the connection types of the camera are both via USB.
 - <u>Group C with Group D:</u> The Priority Group will be invalid. Even though

both of Group C and Group D are sharing the same camera, however, the connection types of the camera are different. Camera in Group C is using USB connection, while the camera in Group D is using IP network connection.

■ The groups have to be enabled

Take the Group E and Group F in the above image as an example. If you want to apply the Priority Group to either one of Group E or Group F, the Priority Group will be invalid.

Even though Group E and Group F are sharing the same camera and the connection types of the camera are both via IP network, however, the Group E is not enabled (

Add Devices

You can add up to 5 device groups (free version) or 25 device groups (premium version) to the Device List. AVer PTZ Link supports both IP camera (free version) and USB camera (premium version) connection.

IP Camera Connection

1. Select Connect Camera via IP from the device drop-down list.

[Note] If you have added a device group, click **Link more devices +** to start adding another device group.

۹	AVer PTZ Link		– – ×
	Link your devi		Subscription: Unlimited Admin 🕑 🔅
	Connect Camera via IP		
	Camera IP	₽	
	Camera Account	1	
	Camera Password	â	
	MIC IP	Ā	
	Select your MIC channels	~	
	Device Name	Ċ	Ŧ
			You have not paired the camera with microphone.
	AV er		

2. Input the IP camera and microphone information.

💭 AVer PTZ Link	- 🗆 X
Link your device	Subscription: Unlimited Admin 🕑 🔅
Connect Camera via IP 🗸	
10.100.90.74	
aver123	
•••••	
10.100.90.20	
8 Channels (Default) V	
Room A 💼	-
Link	You have not paired the camera with microphone.
AV er	

Camera IP: Enter the IP address of the camera (in IPv4 format).

Camera Account: Enter the account ID of the camera.

Camera Password: Enter the password of the camera.

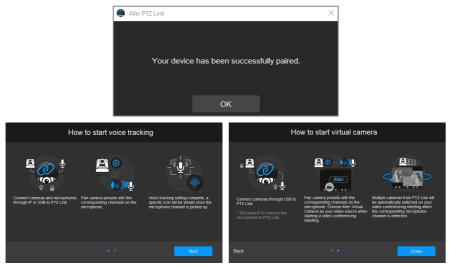
MIC IP: Enter the IP address of the microphone (in IPv4 format).

<u>MIC Channels</u>: Select your microphone channels. 8-channel is provided for free account users by default. Up to 128 channels are provided for premium users.

<u>Device Name</u>: Input a name for this device group (length has to be less than 20 characters).

[Note]

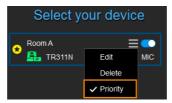
- AVer PTZ Link will memorize the last setting, including device name and preset setup.
- When AVer PTZ Link launches, the paired devices will automatically run.
- Links can be created even for the offline cameras.
- 3. Click **Link** to pair the camera with microphone and a message window will appear. Click **OK** to confirm the settings and a popup will guide you through the process of starting voice tracking and Virtual Camera using PTZ Link. Click **Done** when finish reading.



4. The device group has been added to the Device list.

AVer PTZ Link				– 🗆 X
Link more devices 🕂			Subscrip	otion: Unlimited Admin 🕑 🔅
Select your device	Room A - TR311N			Q, E.g., Preset 1, Channel 2 or Zone
Room A	Channel			
TR311N • MIC	Microphone		Human tracking 🔒	Remarks
	Channel 1	Preset 0	v or v	
	Channel 2	Select preset	off ~	
	Channel 3	Select preset	off ~	
	Channel 4	Select preset	v on ~	
	Channel 5	Select preset	off ~	
	Channel 6	Select preset	off ~	
	Channel 7	Select preset	v no v	
Set Preset	Channel 8	Select preset	• off ~	
AVer				Go to 1 V/1

- 5. Follow the above steps to add more device groups.



Virtual Camera (USB) Connection

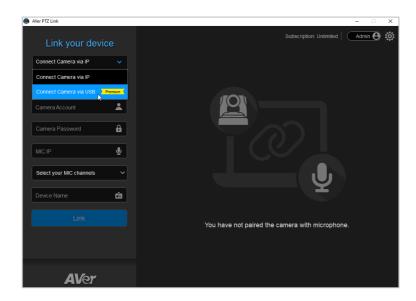
This function is only available for premium users. You can also start a 60-day free trial.

[Note]

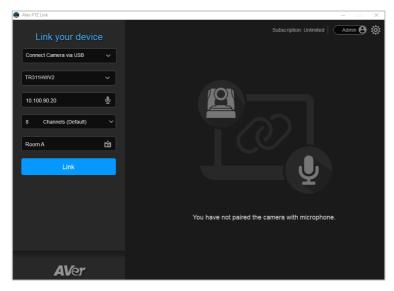
- At present, Virtual Camera only supports Windows[®] OS.
- To maintain video quality during video conference, the lowest output resolution of Virtual Camera is 720p.
- Ensure the premium license key has been activated. Please refer to <<u>License</u>>.
- 2. Connect the USB camera to the USB port on the computer/system.
- 3. Select **Connect Camera via USB** from the device drop-down list. PTZ Link will automatically detect the USB cameras connected to the system.

[Note]

- If you have added a device group, click Link more devices to start adding another device group.
- To optimize your Virtual Camera experience, please disable the sleep mode function of the connected Virtual Cameras.



4. Select an USB camera and input the IP address of the microphone.



<u>Select Camera:</u> After connecting the USB camera to the computer, the PTZ Link will automatically detect the connected USB cameras. Select a camera from the drop-down list.

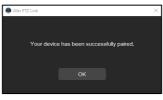
MIC IP: Enter the IP address of the microphone (in IPv4 format).

<u>MIC Channels</u>: Select your microphone channels. 8-channel is provided for free account users by default. Up to 128 channels are provided for premium users.

<u>Device Name:</u> Input a name for the device group (length has to be less than 20 characters).

[Note]

- AVer PTZ Link will memorize the last setting, including device name and preset setup.
- When AVer PTZ Link launches, the paired devices will automatically run.
- 5. Click **Link** to pair the camera with microphone and a message window will appear. Click **OK** to confirm the settings.



6. The device group has been added to the device list.

AVer PTZ Link				– 🗆 X
Link more devices 🕂			Subscrip	ption: Unlimited Admin 🖲 🔅
Select your device	Room A - TR311HWV2			Q E.g., Preset 1, Channel 2 or Zone
Room A	Channel			() Time
TR311HWV2 • MIC	Microphone		Human tracking 🔒	
	Channel 1	Select preset 🗸		
	Channel 2	Select preset 🗸		
	Channel 3	Select preset 🗸		
	Channel 4	Select preset 🗸		
	Channel 5	Select preset 🗸		
	Channel 6	Select preset 🗸		
Set Preset	Channel 7	Select preset V		
	Channel 8	Select preset 🗸		
AVer				Go to 1 ~ / 1

- 7. Follow the above steps to add more device groups.



Voice Tracking Configuration

After adding the devices to the program, you can further configure the voice tracking function.

Channel setup can be done by pairing up microphone channels and camera preset positions. When microphone detects sound, the camera will move to the pre-configured position. The Channel setup supports both IP cameras and Virtual Cameras (USB).

NVer PTZ Link					- 🗆 🗙
Link more devices 🕂			Subs	cription: Unlimite	d Admin 🕑 🔅
9					
Select your device	Room A - TR311HWV2			Q E.g., Preset	t 1, Channel 2 or Zone
	Channel				() Time
R311HWV2 MIC	Microphone			Remarks	
	Channel 1	Preset 1	 ✓ Presenter 	whiteboard	
	Channel 2	Preset 2	~ Zone	✓ front door	
	Channel 3	Preset 3	~ Hybrid	∽ seat 1	
	Channel 4	Preset 4	~ on	∽ seat2	
	Channel 5	Select preset	✓ Off	×	
	Channel 6	Select preset	► Off	×	
	Channel 7	Select preset	✓ on	×	
Set Preset	Channel 8	Select preset	✓ on		
AV er					Go to 1 🗸 / 1

Channel Setup

Channel setup allows users to perform the Voice Tracking function by pairing up microphone channels and camera preset positions. The Channel setup supports both IP cameras and Virtual Cameras (USB).

To enable voice tracking by configuring Channel setup, you need to do the following:

- 1. Set up preset positions of the cameras. Refer to <<u>Set Up Preset Positions</u>>.
- 2. Pair up preset positions with microphone channels. Refer to <<u>Pair Up Preset</u> <u>Positions with Microphone</u>>.

NVer PTZ Link						– 🗆 X
Link more devices 🕂				Subs	scripti	ion: Unlimited Admin 🕑 🔅
0						
Select your device	Room A - TR311HWV2				C	L.g., Preset 1, Channel 2 or Zone
Room A	Channel					Time
TR311HWV2 • MIC	Microphone				0	Remarks
	Channel 1	Preset 1	•	Presenter	~	whiteboard
	Channel 2	Preset 2	`	Zone	*	front door
	Channel 3	Preset 3	•	Hybrid	~	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	~			
AV er						Go to 1 🗸 / 1

Set Up Preset Positions

After adding the devices, you can start configuring the preset positions of the cameras.

To set up preset positions for IP cameras:

1. Select an IP camera on the Device List by clicking on it. The selected device will be highlighted with a blue frame. Ensure the device has been enabled

AVer PTZ Link				– 🗆 X
Link more devices 🕂				tion: Unlimited Admin 🕑 🔅
Select your device	Room A - TR311N			Q E.g., Preset 1, Channel 2 or Zone
Room A 💽				() Time
🔒 TR311N 🔹 MIC	Microphone		Human tracking 👔	Remarks
	Channel 1	Preset 0 V	Off ~	
	Channel 2	Select preset	or ~	
	Channel 3	Select preset	Off ~	
	Channel 4	Select preset	off ~	
	Channel 5	Select preset	on ~	
	Channel 6	Select preset	Off ~	
	Channel 7	Select preset	off ~	
Set Preset	Channel 8	Select preset	or ~	
AV er				Go to 1 V/1

2. Click **Set Preset**, the PTZ Link will direct you to the web page of the IP camera. Input the username and password to login.



3. On the Live View page, click the **Preset** tab on the bottom panel to set up preset positions.

To set up preset positions, input a preset number in the **Save Preset** input box first, use the direction and zoom in/out buttons to move the camera view to the desired position, and then click the **Save** button to save this position.



[Note]

- Each camera's web setting page may vary. Please refer to camera's user manual for more details.
- Up to 256 (0~255) preset points can be set up.
- After setting up the preset positions, you can start pairing the preset positions with the connected microphone. Please refer to <<u>Pair Up Preset Positions with</u> <u>Microphone</u>>.

To set up preset positions for USB cameras:

1. Select an USB camera on the Device List by clicking on it. The selected device will be highlighted with a blue frame.

AVer PTZ Link						– 🗆 X
Link more devices 🕂						on: Unlimited Admin 🕒 🔅
Select your device	Room A - TR311HWV2				6	
Select your device	RoomA-TR311HWV2					
Room A 💽	Channel					() Time
And TR311HWV2 MIC	Microphone			Human tracking 📢)	
	Channel 1	Preset 1	*	Presenter	`	whiteboard
	Channel 2	Preset 2	~	Zone	~	front door
	Channel 3	Preset 3	*	Hybrid	*	seat 1
	Channel 4	Preset 4	*	or	*	seat 2
	Channel 5	Select preset	~			
	Channel 6	Select preset	Y			
	Channel 7	Select preset	*			
Set Preset	Channel 8	Select preset	*			
AV er						Go to 1 🗸 / 1

2. Click **Set Preset**, the AVerCamera Setting Tool appears. You can use this tool to set up preset positions. Up to 256 (0~255) preset positions can be set up.



- a. Select a USB camera from the top camera drop-down list.
- b. To set up a preset position, select a number in the **Preset setting** field, use the direction and zoom in/out buttons to move the camera view to the desired position, and then click the **Save** button to save this position.
- After setting up the preset positions, you can start pairing the preset positions with the connected microphone. Please refer to <<u>Pair Up Preset Positions with</u> <u>Microphone</u>>.

Pair Up Preset Positions with Microphone

After setting up camera's preset positions, you can start pairing the preset positions with the connected microphone. When PTZ Link detects voice from the microphone, the corresponding camera will be triggered to the pre-configured preset position.

1. Select a camera on the Device List by clicking on it, the selected device will be highlighted with a blue frame. Ensure the preset positions of the selected camera have been configured.

AVer PTZ Link						– 🗆 X
Link more devices 🕂				Subs	script	ion: Unlimited Admin 🕑 🔅
Select your device	Room A - TR311HWV2					L.g., Preset 1, Channel 2 or Zone
Room A Co	Channel			Human tracking (A	C Time
	Channel 1	Preset 1	<u> </u>	Presenter	Ľ	whiteboard
	Channel 2	Preset 2	•	Zone	~	front door
	Channel 3	Preset 3	•	Hybrid	~	seat 1
	Channel 4 Channel 5	Preset 4 Select preset	 ✓ 	Off	*	seat2
	Channel 6	Select preset				
	Channel 7	Select preset	•			
Set Preset	Channel 8	Select preset	•			
AVer						Go to 1 🗸 / 1

2. On the right-side panel, click the **Channel** tab, select the preset position from the Camera drop-down list to the corresponding Microphone channel.

AVer PTZ Link				– 🗆 X
Link more devices 🕂			Subscript	ion: Unlimited Admin 🕑 🔅
Select your device	Room A - TR311HWV2	2		C.g., Preset 1, Channel 2 or Zone
Room A C	Channel			() Time
	Microphone		luman tracking 👔	Remarks
	Channel 1	Preset 1 V	Presenter V	whiteboard
	Channel 2	Preset 2 V	Zone 🗸	front door
	Channel 3	Preset 3 🗸	Hybrid 🗸	seat 1
	Channel 4	Preset 4 V	~ no	seat 2
	Channel 5	Select preset 🗸	off ~	
	Channel 6	Select preset 🗸	on ~	
Set Preset	Channel 7	Select preset 🗸	on ~	
Set Preset	Channel 8	Select preset 🗸	off ~	
AV er				Go to 1 🗸 / 1

 You can add some notes in the **Remarks** field, which is a reminder of the configured position or the settings. For Virtual Camera (USB), the Remarks (text overlay) can be overlaid on the output of the camera view. Please refer to *Display channel remarks on virtual camera* in the <<u>Camera Setting</u>> chapter.

For premium users, optionally enable the **Human tracking** function. Select **Presenter/Zone/Hybrid** in the **Human tracking** field to enable the function. If you do not want to enable this function, select **Off**.

AVer PTZ Link				- 🗆 X
Link more devices 🕂				otion: Unlimited Admin 🕒 🔅
Select your device	Room A - TR311HWV2			Q. E.g., Preset 1, Channel 2 or Zone
Room A				
R311HWV2 • MIC	Microphone C		Human tracking 🔒	Remarks
	Channel 1	Preset 1 V	Presenter ~	whiteboard
	Channel 2	Preset 2 V	Zone ~	r tront door
	Channel 3	Preset 3 V	Hybrid ~	r seat 1
	Channel 4	Preset 4 🛛 🗸	~ no	r seat 2
	Channel 5	Select preset 🗸	ott ~	
	Channel 6	Select preset 🗸	on ~	
	Channel 7	Select preset 🗸	Off ~	
Set Preset	Channel 8	Select preset 🗸	∽ no	
AV er				Go to 1 🗸 /1

[Notes]

- To perform the Human tracking function, you will have to pre-configure the related tracking settings on the camera. Please refer to the user's manual of your camera.
- The supported models of "Human Tracking" function are listed below: <u>USA region:</u>
 - TR310/TR311/TR311HN/TR313/TR331/TR333
 - TR313V2/TR333V2
 - DL30

Non-USA region:

- PTC310/PTC310U/PTC310H
- PTC330UV2
- DL30

To incorporate voice tracking with human tracking, you may enable "Human Tracking" in this section. A possible use case might be:

Set the presenter area of the training room as MIC Channel 1, pair up with camera Preset 1, then choose Presenter mode for Human Tracking.

With this setup, the camera first goes to Preset 1 after a speaker starts talking in the presenter area (MIC Channel 1), then the camera tracking (Presenter Mode) will be automatically turned on.

Microphone detects voice Camera goes to Preset 1 Presenter Tracking



4. You can further set up the dwell time to trigger preset or go back to a pre-configured home position (Preset 0). Click the Time button O Time, the below window appears.

🛞 AVer PT	Z Link		Х
	Time to trigger Preset		
	1 sec	~	
	Value for time to go ba	ack to Preset 0	
	On	~	
	0	Min	
	60	Sec	
	Minutes minimum va Minutes maximum v Seconds minimum v Seconds maximum v		
	Cancel	Save	

Time to trigger Preset (default 1 sec.): Set up a dwell time to trigger preset positions. The dwell time is the detected voice time to trigger camera to go to the corresponding preset positions. For example, if 3-second is selected, the camera will only be triggered when the voice has been continuously detected for at least 3-second. If the detected voice only lasts 2 seconds (less than 3 seconds), the camera will not move.

Value for time to go back to Preset 0: Select On and then set up a time interval to trigger the camera to go to Preset 0 (home position). For example, if 10-minute is selected, the camera will move to Preset 0 when there is no voice detected for 10-minute. If you want to disable this function, select Off.

Click **Save** to save the settings or click **Cancel** to cancel the configuration.

5. The pair-up configuration is completed. When voices are detected, the voice tracking icons will appear next to the channels. The Channel in blue indicates that the camera is staying at its preset point.

Ner PTZ Link					– 🗆 X
Link more devices 🕂			Su	ibscription: L	Inlimited Admin 🕑 🔅
Select your device	Room A - TR311HWV2				., Preset 1, Channel 2 or Zone
Room A	Channel			<u>(</u>	
R311HWV2 MIC	Microphone			ig 🚹 Rem	
	Channel 1	Preset 1	 ✓ Presenter 	Ƴ wh	iteboard
	Channel 2 I	Preset 2	✓ Zone	► from	nt door
	Channel 3	Preset 3	✓ Hybrid	► sea	at 1
	Channel 4	Preset 4	✓ Off	✓ sea	at 2
	Channel 5	Select preset	▼ Off	~ [
	Channel 6	Select preset	► off	~	
	Channel 7	Select preset	▼ Off	~ [
Set Preset	Channel 8	Select preset	✔ Off		
AVer					Go to 1 🗸 / 1

Active Position Setup

Active Position setup is another method to achieve the Voice Tracking function. Compare with **Channel** setup, **Active Position** setup is a more accurate way to direct the camera to move to the position of the sound. When microphone detects sound, it will transfer the 3-axis coordinates (X, Y, Z) of the sound to the camera, and the camera will move to the position accordingly.

The Active Position setup only supports Virtual Cameras (USB). At present, only the Shure MXA920 microphone is supported.

[Note] The Shure MXA920 microphones support both Channel setup and Active Position setup for voice tracking.

- For Channel setup, optionally configure the Channel setting on the Web page of the microphone.
- For Active Position setup, optionally configure the Coverage setting on the Web page of the microphone.

To set up Active Position, please follow the steps below.

- 1. Ensure the USB cameras have been bound to a Shure MXA920 microphone.
- 2. Select an USB camera on the Device List by clicking on it. The selected device will be highlighted with a blue frame.

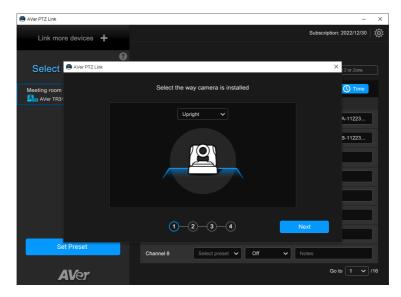
AVer PTZ Link				- 🗆 X
Link more devices 🕂				Subscription: 2022/12/16
Select your device	Meeting Room A - M	MD330		Q E.g., Preset 1, Channel 2 or Zone
Meeting Room A 🖞 💽 🌑				() Time
Ettes TR311N MIC	Microphone		Human tracking 🕤	Remarks
	Channel 1	Select preset 🗸	on	-
	Channel 2	Select preset 🗸	orr	
	Channel 3	Select preset 🗸	on ·	
	Channel 4	Select preset 🗸	on ·	
	Channel 5	Select preset 🗸	or ·	
	Channel 6	Select preset 🗸	on ·	
	Channel 7	Select preset 🗸	or ·	
Set Preset	Channel 8	Select preset	on ·	
AV er				Go to 1 ~ / 12

3. On the right-side panel, click the **Active Position** tab. For first-time setup, you will be prompted with a setup wizard to calibrate the camera and microphone. Follow the steps as instructed.

NVer PTZ Link		- 🗆 X
Link more devices 🕂		Subscription: 2022/12/16 🔅
Select your device	Meeting Room A - MD330	Q E.g., Preset 1, Channel 2 or Zone
Meeting Room A 🏦 🗹 🌑	Channel Active Position	
🚇 AVer PTZ Link		×
	Select the way camera is installed	
	Upright 🗸	
Set Pi		
AV	1-2-3-4	Next 1 1/12

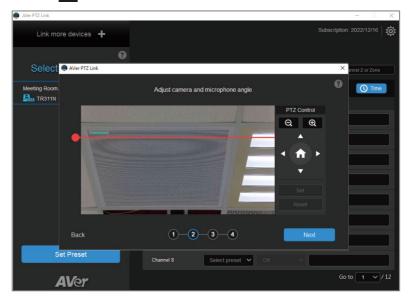
Step 1: Select the way camera is installed.

Select a camera installation option from the drop-down list. Click "Next".



Step 2: Calibrate the camera and microphone.

Use the red horizontal line to calibrate the camera and microphone. You can also click the 🚺 button to display more info of calibration setup.



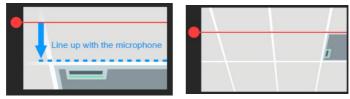
a. Click on the red circle of the red line and drag it to align it with either edge (top or bottom) of the microphone horizontally.

You can optimize the angle of the camera feed by using the pan, tilt and zoom buttons on the PTZ Control panel during the alignment process.

The zoom buttons on this panel is only for calibration. Adjusting the zoom level here will not affect the final zoom ratio of the camera.



Make sure the red line is aligned with the top or bottom edge of the microphone horizontally.

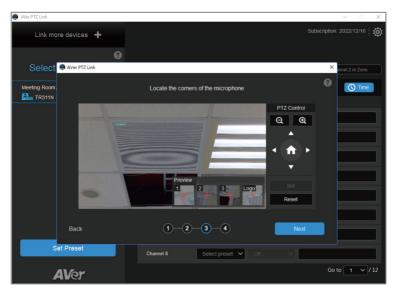


[Note]

- If the microphone shows up at a slight angle in the camera feed, use the pan, tilt and zoom buttons on the PTZ Control panel to optimize camera position.
- As long as the red horizontal line is aligned with the edge of the microphone, there's no need for the microphone to be displayed in the center of the camera feed.
- b. When the calibration is done, click "Next" to proceed.

Step 3: Microphone positioning.

Locate 3 corners of the microphone and the corner of the logo. When the setting is done, click "Next".

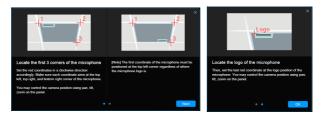


a. <u>Locate 3 corners:</u> The 3 corners of the microphone have to be configured in clockwise order from upper left, upper right and lower right. You can use the buttons on the PTZ Control panel to move the red cross-mark on the preview window to the corners and then click the "Set" button to save the corner setting.

To set up the 1st (upper left) corner, use the PTZ Control panel to move the red cross-mark to the upper left corner of the microphone. Click "Set", the 1st corner will be set up and you can see a thumbnail of the upper left corner in the Preview window. Follow this step to setup the 2^{nd} (upper right) and 3^{rd} (lower right) corners.

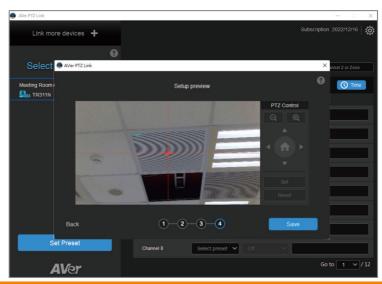
- b. <u>Locate the corner of the logo:</u> Use the PTZ Control panel to move the red cross-mark to the corner of the logo on the microphone. Click "Set", the corner of the logo will be set up and you can see a thumbnail of the logo corner in the Preview window.
- c. When the setting is done, click "Next". If you want to change the settings, click the "Reset" button on the PTZ Control panel to reset the corners.

You can also click the 🕐 button to display more info of corner setup.



Step 4: Finalize the calibration.

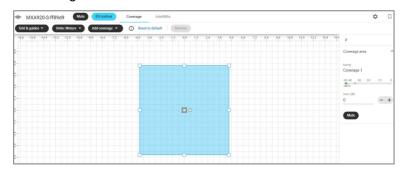
Check whether the red cross-mark is located in the middle of the microphone. If the setup is fine, click "Save". If you want to re-configure the setting, click "Back" to reset the settings.



4. After completing camera and microphone calibration, you can optionally assign a pre-configured **Coverage** area of the microphone to the camera. The coverage areas have to be pre-configured on the microphone side.

🛞 AVer PTZ Link				×
Link more devices +				
Select your device	Meeting room A	- TR311		
Meeting room A 🛍 🗹 🔍	Channel	Active Position	Time	
	Position View	Coverage not assigned	Re-configure	
Set Preset				
AVer				

a. On the Shure setup page, optionally configure the **Coverage** areas. The default Coverage is illustrated as below.



b. On the Active Position setup page, select a pre-configured Coverage from the drop-down list. If there is no Coverage area configured on the microphone side, the PTZ Link program will get the default Coverage setting from the microphone.

e AVer PTZ Link			-	×
Link more devices 🕂			Subscription: 2022/12/30	ġ;
Select your device	Meeting room A	- TR311		
Meeting room A 🗴 🖬 🗹 💽	Channel	Active Position	() Time	
AVer TR311HN MIC	Position View	Coverage not assigned V	Re-configure	
		Coverage not assigned Coverage 1		
		Coverage 2		
		Coverage 3		
		Coverage 4		
Set Preset				
AV er				

c. The detected sound will be displayed as a green dot on the Position View and its coordinates will be displayed on the lower right corner.

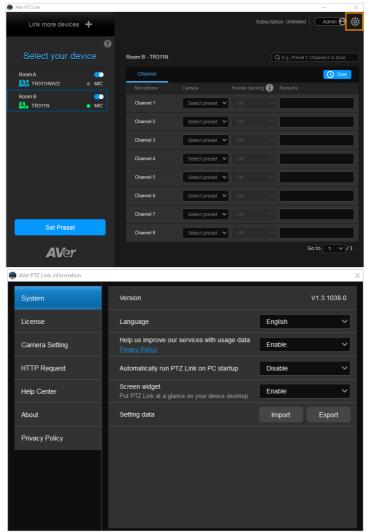
The coordinates within the coverage will be transferred to the camera and the camera will move to the position accordingly.

💭 AVer PTZ Link				×
Link more devices 🕂			Subscription: 2022/12/30	¢
Select your device	Meeting room A - TR3	111		
Meeting room A 🛍 🗹 💶	Channel Acti	ive Position	() Time	
Aver TR311HN MIC	Position View	Coverage not assigned 🗸	Re-configure	
Set Preset				
Serreser			Coordinates (50, 5, 10	
AV er				

- d. If you want to reset the setting, click the "Re-configure" button.
- 5. The Active Position setup is completed.

AVer PTZ Link Information

You can view system information, change system language, activate premium license and etc. using this page. Click to display AVer PTZ Link Information page.



System

On the System page, you can view system version, change system language, disable usage data or set up PTZ Link to automatically run when startup PC. You can also import or export PTZ Link data, or enable screen widget to quickly enable or disable all the groups on the device list.

To enter this page, on the PTZ Link main page, click **()** to display the AVer PTZ Link Information page and then click **System**.

AVer PTZ Link information			×
System	Version		V1.3.1038.0
License	Language	English	~
Camera Setting	Help us improve our services with usage data <u>Privacy Policy</u>	Enable	~
HTTP Request	Automatically run PTZ Link on PC startup	Disable	~
Help Center	Screen widget Put PTZ Link at a glance on your device desktop	Enable	~
About	Setting data	Import	Export
Privacy Policy			

- Version: Displays system version.
- Language: Select a preferred language.
- Help us improve our services with usage data: If you selected I agree on the License Agreement pop-up window when installing the PTZ Link software, however, you want to disable the option, click Disable from the drop-down list.

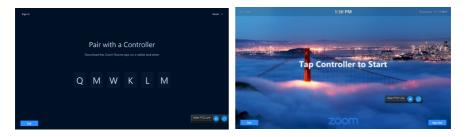
The agreement below includes us installation.	er data collection, please review before	
End User License Agreen	ent, Privacy Policy	
	CUMENT CAREFULLY BEFORE THE SOFTWARE.	
INSTALLING OR USING This document is a legal agree Information Inc. (hereinafter software until you have read		
INSTALLING OR USING This document is a legal agree Information Inc. (hereinafter software until you have read	THE SOFTWARE. ement between you, the end user, and AVer called "AVer"). Do not install or use the and accepted all of the license terms and our	



- Automatically run PTZ Link on PC startup: Select Enable if you want to auto run this program on startup.
- Screen widget: The on-screen widget is a floating window that can be dragged to any position on the screen. Select Enable or Disable to enable or disable the function. If Screen widget is enabled, when minimizing the PTZ Link program, the program will turn to a floating window. Click u to disable (toggle switch off) all the devices on the device list. Click to enable (toggle switch on) all the devices on the device list. Click to maximize the PTZ Link program.



The floating window can also be displayed on the Zoom Rooms after enabling the **Screen widget** function and minimizing the PTZ Link program.



Setting data: You can export the setting data of this program to your computer by clicking the Export button, or import the setting data to the program by clicking the Import button. This function is useful when you want to change to another computer to run the configured devices. You can directly import the setting data to add all the devices.

Except the License information data, all the setting data, including the added groups and pair up settings between camera preset positions and microphone channels, will be exported.

License

You can use this page to activate your premium license for Virtual Camera connection and up to 128 microphone channels; or start a 60-day free trial. One license key can only be activated on one computer.

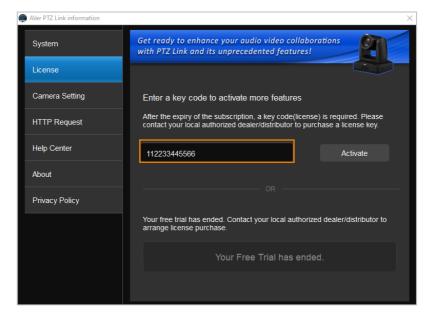
To enter this page, on the PTZ Link main page, click **one state** to display the AVer PTZ Link Information page and then click **License**.

[Note] Since one license key can only be activated on one computer. If you want to transfer the license key to a new computer, you will need to deactivate the license key from the original computer and then activate it on the new computer. For license deactivation, please refer to **To deactivate the license key**.

AVer PTZ Link information	Х
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	112233445566 Activate
About	
Privacy Policy	
	Your free trial has ended. Contact your local authorized dealer/distributor to arrange license purchase.
	Your Free Trial has ended.

To activate the license key:

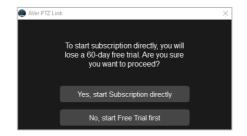
 On the AVer PTZ Link Information page, click License to enter the License page. Input the license key in the input box.



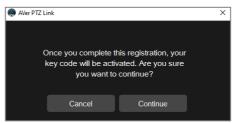
2. Click **Activate**, the below message window appears. Click **Yes**, start

Subscription directly.

[Note] You will waive your free trial if you subscribe your license key. If you have started the Free Trial, subscribing the license key will immediately activate the premium version without including the remaining days of the trial period. In such case, you can click **No, start Free Trial first** to wait until the trial period expires.



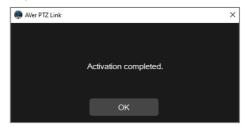
3. Click **Continue** to start activating the license key.



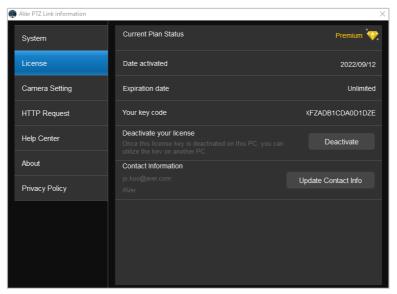
4. Input your email and organization information for subscription.

	х
Subscribe now to let us keep you updated!	
Email	
Organization	
Skip for now Subscribe	

5. The activation is completed.



6. The license info will be displayed.



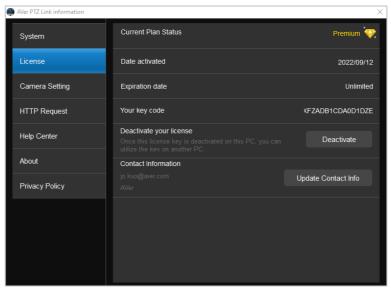
The expiration date will also be displayed on the upper-right corner of the Main Page.

AVer PTZ Link				- 0 X
Link more devices 🕂			Subse	cription: Unlimited Admin 🕑 🔅
0				
Select your device	Room B - TR311N			Q, E.g., Preset 1, Channel 2 or Zone
Room A C	Channel			() Time
			Human tracking	D Remarks
Room B CO	Channel 1	Select preset	• on	×
	Channel 2	Select preset	• on	~
	Channel 3	Select preset	• on	~
	Channel 4	Select preset	• on	×
	Channel 5	Select preset	• off	×
	Channel 6	Select preset	off	×
	Channel 7	Select preset	Off	×
Set Preset	Channel 8	Select preset	off	×
AVer				Go to 1 🗸 / 1

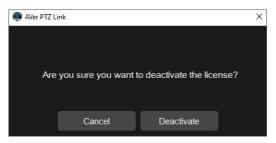
To deactivate the license key:

One license key can only be activated on one computer. If you want to transfer the license key to a new computer, you will need to deactivate the license key from the original computer and then activate it on the new computer. The expiration date of the license key will remain the same.

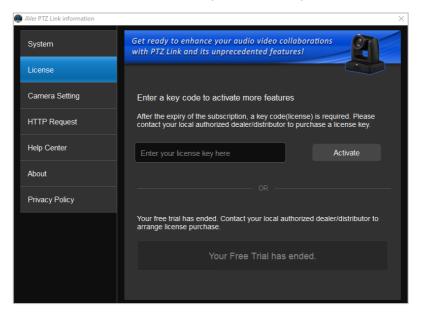
1. On the AVer PTZ Link Information page, click **License** to enter the License page.



2. In the **Deactivate your license** field, click **Deactivate**, the below message window appears.

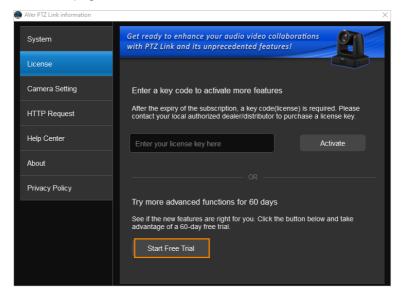


3. Click **Deactivate** and the deactivation process is completed.



To start a 60-day free trial:

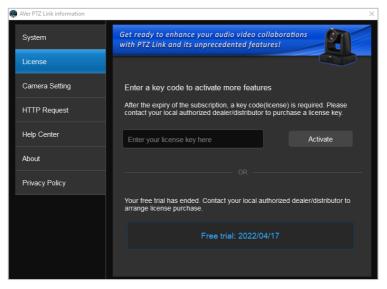
1. On the License page, click **Start Free Trial**.



 Input your email and organization information for subscription. Click Subscribe.

PTZ Link	
PIZLINK	
Subscribe now to let u	us keep you updated!
Organization	
We're committed to your p	
contact details in line with	
uses the information you p	
relevant content and produ	
Skip for now	Subscribe

3. The free trial will be activated and the expiration date will be displayed.



The expiration date will also be displayed on the upper-right corner of the Main Page.

AVer PTZ Link					- 0 ×	<
Link more devices 🕂			Free t	rial: 2022/04/17	7 Admin 🛛 🧔	
Select your device	Room A - TR311HWV2			Q E.g., Prese	t 1, Channel 2 or Zone	
Room A					() Time	
TR311HWV2 MIC	Microphone			i Remarks		
	Channel 1	Select preset 🗸		×		
	Channel 2	Select preset 🗸		×		
	Channel 3	Select preset 🗸		×		
	Channel 4	Select preset 🗸		×		
	Channel 5	Select preset 🗸		× [
	Channel 6	Select preset 🗸		× [
	Channel 7	Select preset 🗸		×		
Set Preset	Channel 8	Select preset 🗸		~ [
AVer					Go to 1 🗸 / 1	

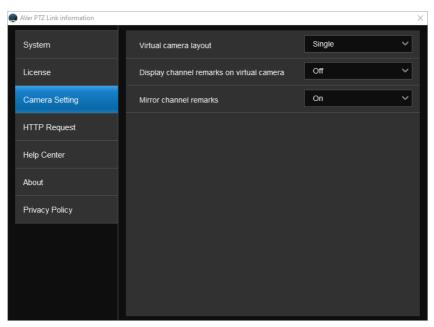
[Note] You will waive your free trial if you subscribe your license key. If you have acquired the license key, however, you are still in the trial period, you can wait until the trial period expires and then activate the license key. Subscribing the license key will immediately activate the premium version without including the remaining days of the trial period.

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 OR	
Privacy Policy	
Your free trial has ended. Contact your local authorized dealer/distributor to arrange license purchase.	
Your Free Trial has ended.	

Camera Setting

The settings on this page are only available for the Virtual Cameras (USB). You can select an output layout or mirror the remarks (text overlay).

To enter this page, on the PTZ Link main page, click **o** to display the AVer PTZ Link Information page and then click **Camera Setting**.



- Virtual camera layout: This function is only available for virtual cameras (USB). Select an output layout for the virtual cameras. Options include Single and Side-by-side.
 - **Single:** When there are multiple virtual camera groups being triggered at the same time, the output layout will display a single camera view, which means only one active speaking participant will be shown at a time.
 - **Side-by-side:** When there are multiple virtual camera groups being triggered at the same time, the output layout will display a side-by-side camera view, which means two active speaking participants will be shown at a time.



- **Display channel remarks on virtual camera:** This function is only available for virtual cameras (USB). Select **On** or **Off** to enable or disable displaying Remarks (text overlay) on the output of the camera view. To add a remark, input the text in the Remarks columns on the Main Page of PTZ Link. Please refer to Step 3 in <Pair Up Preset Positions with Microphone>.
- Mirror channel remarks: This function is only available for virtual cameras (USB). Select **On** to mirror the Remarks (text overlay) displayed on the output of the camera view.

Mirror is enabled



HTTP Request

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

AVer PTZ Link information			×
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 PTZ Link main page, click the settings icon to display **AVer PTZ Link Information** page, then click **HTTP Request** in the side panel.
- 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. To execute HTTP requests, open a request URL.

Example http://admin:3346@192.168.0.22:80/request=disableAll

Element http://[account]:[password]@[IP Address]:[port]/request=disableAll

An HTTP request contains the following elements:

- Account: HTTP default login username "admin"
- 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

4. You can also execute any of the following HTTP requests:

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 all groups	http://[account]:[password]@[IP
	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 group	http://[account]:[password]@[IP
	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 specified group	http://[account]:[password]@[IP
	Address]:[port]/request=queryStatus&group=[Group ID]

Help Center

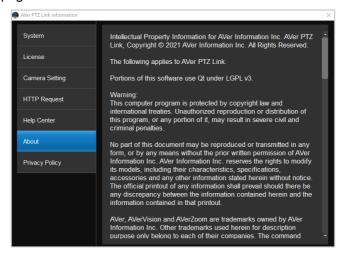
If you want to download PTZ Link user's manual, click the Read button.

To enter this page, on the PTZ Link main page, click **1** to display the AVer PTZ Link Information page and then click **Help Center**.

🥥 AVer PTZ Li	nk information		>
System		User Manual	Read
License			
Camera	Setting		
HTTP R	equest		
Help Ce	nter		
About			
Privacy	Policy		

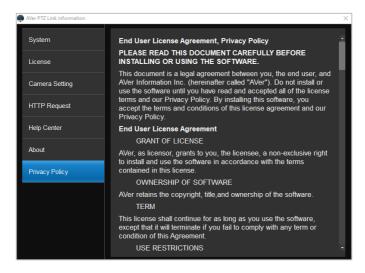
About

You can view the information about AVer PTZ Link on the About page. To enter this page, on the PTZ Link main page, click to display the AVer PTZ Link Information page and then click **About**.



Privacy Policy

You can view the Privacy Policy of AVer PTZ Link. On the PTZ Link main page, click is to display the AVer PTZ Link Information page and then click **Privacy Policy**.



Minimize and Restore AVer PTZ Link

To make voice tracking work during the meeting, AVer PTZ Link must be kept running. User can minimize AVer PTZ Link to system tray to run in background. Click – button to minimize AVer PTZ Link.

[Note] To minimize AVer PTZ Link to the system tray, you will have to disable the **Screen widget** function. Please refer to **Screen widget** in the <<u>System</u>> chapter.

AVer PTZ Link						- 🗆 X
Link more devices 🕂				Sut	bscription: Unlimited	Admin 🛛 🔅
	9					
Select your device		Room A - TR311HWV2			Q E.g., Preset 1, C	Channel 2 or Zone
Room A	•	Channel				() Time
	MIC				g 🚹 Remarks	
Room B B TR311N	MIC	Channel 1 I	Preset 1	 ✓ Presenter 	whiteboard	
			Preset 2	~ Zone	✓ front area	
		Channel 3	Preset 3	~ Hybrid	✓ PTZ camera	
		Channel 4	Preset 4	~ off	~	
		Channel 5	Preset 0	∽ Off	~	
		Channel 6	Select preset	✔ Off	× [
		Channel 7	Select preset	✓ Off	× [
Set Preset		Channel 8	Select preset	✓ Off		
AV er					G	o to 1 ~/1

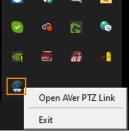
To restore, right-click AVer PTZ Link icon on the system tray and select **Open AVer PTZ Link**.



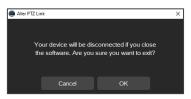
Exit AVer PTZ Link

Click \times button or right-click AVer PTZ Link icon on the system tray and select **Exit** to exit AVer PTZ Link.

AVer PTZ Link					- 🗆 🗙
Link more devices	• +			Subscri	otion: Unlimited Admin 🕑 🧔
	?				
Select your de	evice	Room A - TR311HWV			Q E.g., Preset 1, Channel 2 or Zone
Room A	MIC	Channel Microphone		Human tracking 🔒	C Time
Room B	MIC	Channel 1 I	-	Presenter	
			Preset 2	Zone 🔨	front area
		Channel 3	Preset 3	- Hybrid -	PTZ camera
		Channel 4	Preset 4	v on v	
		Channel 5	Preset 0	v Off v	
		Channel 6	Select preset	off v	
_		Channel 7	Select preset	✓ Off ~	
Set Preset		Channel 8	Select preset	🖌 Off 🗸	
AV er					Go to 1 V/1
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		ە 😒	6		



The warning dialog will appear. Your device will be disconnected if you close the software. Click **OK** to exit.



Troubleshooting

- 1. How to set up multiple cameras or microphones with PTZ Link?
 - You can set up a maximum of 5 groups of devices in PTZ Link. For example, when there are two microphones and one camera in the room, you can set two microphones into two groups accordingly. Each microphone has 8 channels (free version) that can be matched to 8 different preset points of the camera. One AVer camera has up to 256 preset points available. To make sure the audio tracking function is working well, each group has to be enabled and the software has to be running all the time.
- 2. What microphone brands are supported by PTZ Link?
 - The supported microphone brands and models are listed in the Preface chapter. AVer has been actively developing partnerships with other brands that bring the audio solution. If other microphone integration with AVer Pro AV cameras in your region is needed, please feel free to let us know. You may contact our technical support. Please refer to the Contact Information.
- 3. How do the Mute functions of Shure microphones work with PTZ Link?
 - If the Mute function of a single channel of the microphone is enabled, the corresponding channel of PTZ Link will not detect the voice.



 If the Mute function is enabled on the webpage of the microphone, it is also required to disable the corresponding device on PTZ Link. Thus, the microphone will not respond in PTZ Link.



- 4. After the configuration on AVer PTZ Link is completed, I noticed the camera might be too sensitive and keeps shifting to different presets I paired up. Is there anything special I need to do?
 - This may have something to do with **Time to trigger Preset**. You can extend **Time to trigger Preset** to solve the problem.
- 5. When connecting to Sennheiser TeamConnect Ceiling 2 via AVer PTZ Link, I encounter a situation where speakers all around the room are invariably detected. What would you suggest me to do?
 - In most meetings and a lot of online classes, conversations go back and forth. Sennheiser TeamConnect Ceiling 2 might pick up speakers' voices from all around the room, causing the camera to go back and forth between different preset points. If such is the case, you can enable the **Priority Zone** of Sennheiser TeamConnect Ceiling 2 so that it only picks up the audio signals of the zone you chose.
 - For details on the **Priority Zone** of Sennheiser TeamConnect Ceiling 2, visit:

https://www.sennheiser-sites.com/responsive-manuals/SCC/EN/index.ht ml#page/SCC_EN/SCC_04_EN.5.3.html#ww1106250.

Zones		0	3D Overall View	0
Priority Zone Zone 1 Weight	On II Mid	Edit ~	Rotate the 3D model by to the left or right with t cursor.	dragging it he mouse
Exclusion Zo Zone 1 Zone 2 Zone 3 Zone 4 Zone 5	nes On II II Off II Off II Off II Off			
S Change of	rientation		Beam 282° / 81°	

- 6. What to do if we would like to quickly control voice tracking (e.g. pause voice tracking) when cameras are not in use?
 - Solution A: To quickly pause voice tracking, you can mute the microphones to stop transferring sound data to the PTZ Link program. For microphones with physical mute button, directly press the mute button. For microphones without physical mute button, access its Web page to enable the mute function.
 - Solution B: Enable the Screen widget function on the PTZ Link. You can use the pause button on the Screen widget to disable all the groups added to the device list. When the devices are disabled, the cameras will not be triggered even when microphones continue transmitting sound data. You can also use the resume button on the Screen widget to resume all the groups.

The **Screen widget** also supports Zoom Room. For more details, please refer to **Screen widget** in the <<u>System</u>> chapter.

- 7. What to do if the Virtual Camera views cannot be displayed on the video conference software, e.g. Teams?
 - When this symptom occurs, please check:
 - a. Is the video source of this camera occupied by another application?
 - b. Launch PTZ Link and check the connection of this camera first. Then, check the video source of this camera on your application.

- 8. What to do if I don't see the option of AVer Virtual Camera in the video source field of the video conference software (e.g. Teams) after connecting to the Virtual Camera via PTZ Link?
 - Please try restarting the video conference software or restarting the computer.
- 9. What to do if I can't operate PTZ Link normally during Teams conference?
 - When this symptom occurs, please check:
 - a. The version of Windows[®] OS should be 2004 or above (e.g. 20H2 or 21H2).
 - b. Uninstall the AVerCamera Setting Tool and PTZ Link in your computer.
 - c. Re-install the PTZ Link.

<u>Appendix</u>

AVerCamera Setting Tool

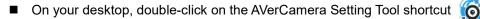
AVerCamera Setting Tool is automatically installed along with PTZ Link. Users can use the AVerCamera Setting Tool to set up preset positions or configure some settings for the Virtual Cameras (USB).



To bring-up the AVerCamera Setting Tool, you can try either way:

On the Main Page of PTZ Link, select an USB device group on the Device List by clicking on it, and then click the Set Preset button.

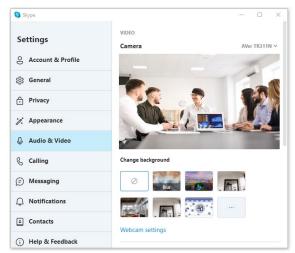
AVer PTZ Link				- 0 X
Link more devices 🕂				otion: Unlimited Admin 🛛 🔅
0				
Select your device	Room A - TR311HWV2			Q E.g., Preset 1, Channel 2 or Zone
Room A	Channel			O Time
R311HWV2 • MIC	Microphone		Human tracking 🔒	Remarks
	Channel 1	Select preset	or v	
	Channel 2	Select preset	or ~	
	Channel 3	Select preset	or ~	
	Channel 4	Select preset	or ~	
	Channel 5	Select preset	or ~	
	Channel 6	Select preset	or ~	
	Channel 7	Select preset	or ~	
Set Preset	Channel 8	Select preset	ou ~	
AVer				Go to 1 🗸 / 1





[Note] Users can also use AVerCamera Setting Tool to control the Virtual Cameras (USB) used for video conference software such as Zoom or Skype.





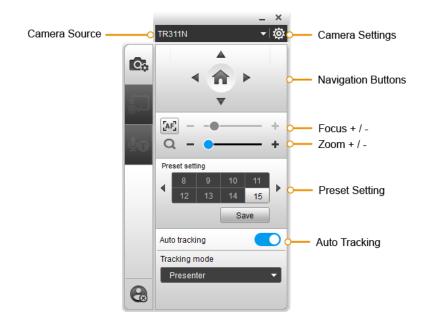
Control Panel

Control panel allows you to control the Virtual Cameras (USB) or set up the preset positions.



Control Panel

Camera View



Camera Source

After connecting the Virtual Cameras (USB) to your computer, the cameras will be automatically listed on Camera Source. Click on the Camera Source to select a Virtual Camera from the drop-down list.

Camera Settings

Select a Virtual Camera (USB) from the Camera Source list and then click on the icon to configure some camera settings.



Navigation Buttons

Select a Virtual Camera (USB) from the Camera Source list and then you can use the up, down, left or right buttons to navigate the camera view.

Click the Home button 💼 in the middle can direct the camera to the home position.

Focus / Zoom

Select a Virtual Camera (USB) from the Camera Source list and then you can use the Zoom +/- buttons to adjust the zoom ratio.

To adjust focus, you can click on the Focus icon to switch between Auto Focus and Manual Focus Select Auto Focus, the camera will automatically adjust focus. Select Manual Focus, and then you can use the + or – button to manually adjust focus.

Preset Setting

Select a Virtual Camera (USB) from the Camera Source list and then you can configure preset positions for this camera. Up to 256 (0~255) preset positions are supported. To setup preset position:

- 1. Click on a number.
- 2. Use the navigation and zoom buttons to adjust the camera view to a desired position.
- 3. Click the Save button. The preset position has been saved.
- 4. To perform the go to Preset function, simply click on the configured Preset number, the camera will move to the preset position.

Auto Tracking

To enable the Auto Tracking function, select a Virtual Camera (USB) from the Camera Source list and then toggle on the switch. You can switch among the tracking modes by clicking on the **Tracking mode** drop-down list.

[Note] For this function to work, users have to configure the Tracking modes in advance. Please refer to the user's manual of your camera to set up the Tracking modes.