

PTZ Camera Companion module

User Manual-English



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Chapter 1 Instructions on Companion Module Installation

1.1 System Requirements

- Windows 7 /10
- Mac 10.13 or above

1.2 Install with Windows 7 / 10

- 1.2.1 Please go to Companion Bitfocus AS website and click [Download].
- **1.2.2** Sign up for free and sign in with your account to download.

| Companion - Bitfocus AS × + | | - u x | 🜌 Login - Bitfocus AS 🛛 🗙 🕂 | - L |
|---|---|------------------|--|--|
| C B bitfocus.io/companion/ | Q; Q, ★ | ⊙ \$ () : | ← → C | 아 Q ☆ 😗 🏚 |
| BITFOCUS | Welcome Products Support list About | Jsers area | ETFOCUS | Welcome Products Support list About |
| | | | U | SERS AREA Bitfocus Cloud |
| C | ompanion | | Sign in | Sign up for free |
| Bitfocus Companion enab | es the reasonably priced Elgato Streamdeck to be | | Email address | First name Last name |
| presentation switchers, vi | deo playback software and broadcast equipment. | | Password | Email address |
| ſ | | | Log in Forgot password? | Password Repeat password |
| | Donate + | | Companion users | Country • |
| You don't need an actual stream deck to use it. Ct with a builtin stream deck emulator, a webpage for the ability to trigger buttons via 05C, CTP UDP H ArtNet. It does the same job, just without the butt Key features | Available for macOS and Verodows ompanion both comes trouch screens and TP WebSocket and ons. | | Relaxt It's still free, and will always be! All we're asking for the service of hosting builds and ke them available, is for you to sign up for an acc However, if you do sign up for an acc However, if you don't want to do that, that oil Ytua can al for the subcret color or dotting hubble. You'll mas out of some n spooming online features, though. | e lagree to the terms of service and our privacy policy reping ount. Mays were reconstruction about critical updates, max one every month unless its security related, we promise! Create account |
| Button designer - Either with colored text or | upload your own | - | | 88 |

1.2.3 Click [**Download**] → [**Win**] to download.

| ownloads | Compani | on | |
|-----------------|--------------------------------|---------------|---------|
| Change password | Version: 2.1.: Updated: 202 | 2 20-Dec-6 | |
| ogout | 🛋 Win | 📹 Mac | O Linux |

1.2.4 After the download is completed, click [**companion-win64**] to start the installation.





1.2.5 The installation wizard will guide you through the process. Please follow the instructions and press [**Next**] for the next step.

| Companion Setup | Companion Setup | - 🗆 X |
|--|---|---------------|
| Choose Install Location Choose the folder in which to install Companion. | Installing Please wait while Companion is being installed. | ۲ |
| Setup will install Companion in the following folder. To install in a different folder, dick Browse and select another folder. Click Install to start the installation. | | |
| | | |
| Destaution Folder | | |
| C:\Program Files\Companion Browse | | |
| | | |
| Companion 2.1.2 | Companion 2.1.2 | |
| Install | < Back | Next > Cancel |

- **1.2.6** When the installation is completed, press [**Finish**] to end the installation.
- **1.2.7** Open the Companion software, click [Launch GUI] to enter the admin user interface.

| Companion Setup | – 🗆 X | |
|-----------------|--|---|
| | Completing Companion Setup | BITFOCUS Companion v2.1.2 (2.1.2-14bcat3-2679) |
| | Companion has been installed on your computer. Click Finish to close Setup. | Running http://127.0.0.1.8888/ |
| | Run Companion | GUI Interface Change network interface • 8000 Change Start minimized |
| BITFOCUS | | Launch GUI Hide Close |
| | < Back Finish Cancel | |

1.3 Install with Mac

- 1.3.1 Please go to Companion Bitfocus AS website and click [Download].
- **1.3.2** Sign up for free and sign in with your account to download.

| | User | S area |
|---|---|--|
| Companion Bitfocus Companion enables the reasonably priced Elgato Streamdeck to be | Sign in Email address ••• | Sign up for free First name Last name |
| a professional shotbox surface for an increasing amount of different presentation switchers, video playback software and broadcast equipment. | Password Log In Forgot password? | Email address Password Repeat password |
| You don't need an actual stream deck to use II. Companion both comes and ability of there in done is a webpage for tooch reverse and and address. If the same (b), and without the buttors. | Companion users Relatif is all free, and large bet All we're adving for the service of hosting builds and keeping them exailable, is for you to sign of or an account. However, for other sets of better de 'You can always for the source ender all DBM, such mus do of earne rose upcoming online features, though. | Country • • Gauges to the terms of service and our privacy pointy Gauges to the terms of service and our privacy pointy Gauges to the terms of service and our privacy pointy Gauges the second service service service and the service second service service second service service second service servic |

1.3.3 Click [**Downloads**] → [**Mac**] to download.

| wnloads | Companion |
|----------------|---------------------------------------|
| nange password | Version: 2.1.2 Updated: 2020-Dec-6 |
| ogout | 🖷 Win 🚺 🌢 Mac 💿 Linux |

1.3.4 After the download is completed, click [**Companion**] to open the Companion software.



1.3.5 Click [Launch GUI] to enter the admin user interface.





Chapter 2 Setting Instructions

2.1 Check the Network setting

- **2.1.1** Make sure the computer IP address must be set on the same network segment with the device.
- 2.1.2 Check the IP address of the device.
- 2.1.3 Open the Companion software, click [Launch GUI] to enter the admin user interface.



2.2 Add new device

2.2.1 In [Instances] page, click [Add by category] or [Add by manufacturer], or search
 [Lumens] in the search bar → [Lumens] → Select the device model.

| ₩ Instances | 🛗 Buttons | 🕶 Surfaces | 😤 Settings | | | |
|---|------------------|----------------|--------------------------------|--|--|--|
| CONNECTIONS / INSTANCES Instances are the connections companion makes to other devices and | | | | | | |
| software in orde | er to control th | em. | | | | |
| Module | Label | Status | Actions | | | |
| Add by catego | ory Add by | y manufacturer | | | | |
| | Lumens | | Lumens LC200 | | | |
| Add by searcl | ۱ | | Lumens VC-A50P | | | |
| | | | Lumens VC-A71P | | | |
| | | | Lumens VC-BC301P | | | |
| | | | Lumens VC-BC601P/VC- BC701P | | | |
| | | | Lumens VC-TR1 | | | |

2.2.2 Will open a new page [Camera Configuration] or [MediaPrecessor Configuration],

you can do the device setting on this page. After finishing setting, click [Apply

changes].

- 2.2.2.1 Camera settings
 - Label: Enter the camera model or name, it will be easier identified.
 - Target IP: Enter the IP address of the camera.
 - Target Port:Enter "52381" (Default:52381)



- Camera id: Select[id 1]
- < Caution> The camera DIP switch also needs to be set on ID1

| ♥ Instances ♥ Config Buttons ♥ | Surfaces 🔓 Settings |
|--|---|
| Camera Configuration | 0 |
| Label | |
| VC-A61P | |
| Information | |
| Lumens : ^C We Make You This module controls LUMENS VC-A61P came For more information about Lumens Camera, Lumens Camera info. Please Fill In The IP Below | r Job Easier 」! eras with VISCA over IP protocol please refer |
| Target IP (for example : 192.168.4.54) | Target PORT (default : 52381) |
| | 52381 |
| LUMENS Camera Address (factory setting : id 1) | |
| id 1 🗸 🗸 | |
| Apply changes | |
| | |

2.2.2.2 MediaPrecessor settings

- Label: Enter the device model or name, it will be easier identified.
- Target IP: Enter the IP address of the LC200
 Target Port: Enter "5080" (Default:5080)

| ♥Instances Config Buttons | 😎 Surfaces 🛛 😤 Settings | |
|---|---|---|
| MediaProcessor Configuration | | 0 |
| Label | | |
| LC200 | | |
| Information | | |
| Lumens : ^C We Make Y This module controls LUMENS LC200 me For more information about Lumens Med LC200 info. LC200 Command List Please Fill In The IP Below | Your Job Easier 」! edia processor with TCP over IP protocol dia processor, please refer | |
| Target IP (for example : 192.168.4.54) | Target Port (default : 5080) 5080 | |



2.2.3 Press [**Instances**], the device status shows "**OK**" which means the device has been added and connected successfully.

| ♥ Instances 🛛 🛗 But | ttons | 😎 Surfaces | 🙎 Settings | | | |
|--|--------|--------------|------------|---------------------|--|--|
| CONNECTIONS / INSTANCES Instances are the connections companion makes to other devices and software in order to control them. | | | | | | |
| Module | | Label | Status | Actions | | |
| Camera Lumens | Ø | VC-A61P | ок | DELETE DISABLE EDIT | | |
| MediaProcessor Lumens | Ø | LC200 | ок | DELETE DISABLE EDIT | | |
| Add by category | Add by | manufacturer | | | | |
| Add by search | | | | | | |
| | | | | | | |

2.3 Add new button - Though by Presets page

- 2.3.1 Press [Preset] to the preset page → Select the device(The device name is displayed at the end) → Select the action type.
 - < Remark> Please refer to <u>Chapter 5 Preset Actions List</u> for the device model and supported actions.



Equipment: Camera

| 🗎 Log | 🔐 Presets | | | | | | | |
|---|------------|---------------|----------|----------|--|--|--|--|
| PRESET CATEGORIES FOR LUMENS:VC-A50P;VC-A61P;VC- A71P;VC-BC301P;VC-BC601P/VC-BC701P;VC-TR1 (VC-A61P) | | | | | | | | |
| Sav | ve Preset | Recall Preset | System | Exposure | | | | |
| Whit | e Balance | Lens | Pan/Tilt | Image | | | | |
| Di | Dig-Effect | | | | | | | |
| | | | | | | | | |

Equipment: MediaPrecessor

| 🗎 Log | # Presets | - Import / Export | | | | | |
|--------|---|-------------------|--|---------|--|--|--|
| PRESE | PRESET CATEGORIES FOR LUMENS:LC200 (LC200) Back | | | | | | |
| Vid | eo/Audio | Image System | | Network | | | |
| Camera | | | | | | | |
| | | | | | | | |



2.3.2 Press [**Buttons**] to the button page, drag the action button from Presets page and drop to the simulation button on the [**Buttons**] page.



2.3.3 Click the added action button on [Buttons] page will open [Edit button] page.It will shows the button's settings and can be edited on [Edit button] page. Please refer to 3.8 Edit button for button settings.

| ♥ Instances 🗮 Buttons 😎 Surfaces 🏖 Settings | 🖹 Log Edit button 1.3 🏶 Presets 📲 Import / Export | | | |
|---|---|------------|-----------------------------|---------------------|
| BUTTON LAYOUT The squares below represent each button on your Streamdeck. Click on them to set up how you want them to look, and what they should do when you press or click on them. | Set button type - Erase Test actions Configuration | | | 1.3 |
| You can navigate between pages using the arrow buttons, or by clicking the page number, typing in a number, and pressing "Enter' on your keyboard. | Text | Font s | iize Ipt 🗸 | 72x58 PNG Browse |
| | Test Aligoment PHG Aligoment D G G D G D | 3ackground | Latch/Toggle | Relative Delays |
| | Action | Delay | Options | |
| COUNT 119 119 120 120 121 122 122 122 122 122 122 122 | VC-A50P: Tilt Up | ms | Pan Speed Setting Speed 12 | • |
| | \$ | | Tilt Speed Setting Speed 12 | • |
| | + Add key down/on action | | | • |
| Copy Opt Detete Copy Copy | KEY UP/OFF ACTIONS | | | |
| Export page | Action | | Delay Optic | ins |
| | VC-A50P: Pan-Tilt_Stop | | ms | |
| | + Add key up/off action | | | • |



2.4 Add new button - Though by Buttons page

2.4.1 Press [Buttons] to the button page, click on the blank area of the simulated button to open the [Edit button] page.

| ♥ Instances 🛗 Buttons 😎 Surfaces 🏝 Settings | Log Edit button 1.2 |
|--|---|
| BUTTON LAYOUT The squares below represent each button on your Streamdeck. Click on them to set up how you want them to look, and what they should do when you press or click on them. | Set button type • Configuration |
| The second | Hint: Control buttons with OSC or HTTP:/press/bank/1/2 to press this button remotely. OSC port 12321! |
| | |
| | |
| | |
| Copy 4 Move Delete AWipe page AReset page buttons | |
| B-Export page | |

2.4.2 Click [set button type] and select [Regular button] to add new button.

| _ | 🛍 Log | Edit button 1 | ₩ Presets Import / Export |
|---|---------|---------------|---|
| | Set but | ton type 🝷 | rase 1.2 |
| | Regul | ar button | |
| | Page | up | |
| | Page | number | OSC or HTTP: /press/bank/1/2 to press this button remotely. OSC |
| | Page | down | |

2.4.3 It will shows the button's settings and can be edited on [Edit button] page.Please refer to <u>3.8 Edit button</u> for button settings.

| 🖹 Log | Edit button 1.2 | 錯 Presets | -🞝 Import / | Export | | |
|------------------------------|------------------------------------|-----------|-------------|-----------------|--------------------|--|
| Set but | tton type 👻 🛛 Eras | e | | | 1.2 | |
| Confi | guration | | | | | |
| Text | | | | Font size | 72x58 PNG | |
| | | | | Auto 🗸 | Browse | |
| Text Alignment E E E E | PNG Alignment E 2 2 E 2 2 | Color | Backgrour | nd Latch/Toggle | Relative Delays | |
| KEY D | OWN/ON ACT | IONS | | | | |
| | Action | | Delay | Options | | |
| + Add k | ey down/on action | | | | • | |
| KEY U | KEY UP/OFF ACTIONS | | | | | |
| | Action | | Delay | Options | | |
| + Add k | ey up/off action | | | | • | |



2.5 Control the device - Through by Emulator

2.5.1 Press [**Emulator**], it will open a new window and shows the button emulator.

2.5.2 You can control the device by clicking the buttons directly.



2.6 Control the device - Through by Web buttons

2.6.1 Press [Web buttons], it will open a new window and shows all buttons on one monitor.2.6.2 You can control the device by clicking the buttons directly.

| (ii) Bitfocus Companion - Admin ← → C ① 127.0.0.1 % | × S Companion Tablet Surface | * * + | | | | - ø × * * = :_ |
|--|------------------------------|----------|------------|------|---|-------------------|
| Page 1 | | | | Next | > | |
| UP | 1.2 | 1.3 个 | | | | |
| PACE 1 | 1.10 | HOME | 4.12 | | | <u>j 18</u> |
| | | 1.15 | | | | 3.24 |
| 125 | | | | | | 3.82 |
| Page 2 | | | < Previous | Nex | > | |
| | | | | | | |
| | | | | | | |

- <Caution> If you would like to just view one page or a select few, you can add text to the end of the URL in your browser. Just add?pages=and the page numbers you want to see separated by a comma.
 - E.g.: <u>http://127.0.0.1:8000/tablet.html?pages=2</u> (*Includes only page 2*) <u>http://127.0.0.1:8000/tablet.html?pages=3,7,12</u> (*Includes only pages 3, 7, and 12*)



Chapter 3 User Interface Description

3.1 Admin User Interface

| ≡ ві | itfocus Companion 2.1 | .2 (f4bcaf3-2679) | | | | | | | | | |
|-------------|-----------------------------|--------------------|---------------|----------------|---------------------|-----------|---------|----------------|-----------------|--------------|--------|
| 😎 Em | nulator | # Instances | Puttons | Curfagos | Sottingo | | llog | A Prosets | Import / Evport | | |
| ▶ We | eb buttons | | | | Settings | | Log | Tresets | | | ~ |
| 🔲 Ma | obile buttons | Instances are the | connections | companion make | es to other devices | | warning | | | Clear log | 1 |
| 🟦 Bu | gs & Features | and software in or | der to contro | I them. | | | | | | | |
| 🚢 Fac | cebook | Module | Label | Status | Actions | | | | | | |
| 🔩 Sla | ack Chat | Add by category | Add by | manufacturer | | | | | | | |
| \$ Do | nate | Add by search | | | | | | | | | |
| i Ge | tting Started | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | _ | | | | | |
| | | | | | | | | | | | |
| | < | | | | | | | | | | · / |
| No | Item | | | | Fu | unctio | n De | escript | ions | | |
| | | | Incluc | le Emulato | or, Web butto | ons and | l com | - munity li | nks. | | |
| 4 | Sidahar | | | | | | | | | | |
| 1 | Sidebar | | You c | an collaps | se the sideba | r by clic | cking | the 📕 | icon on the | left of Comp | canion |
| | | | logo, | or shrink i | t by clicking | the arro | ow at | the botto | om of the side | ebar. | |
| 2 | Main admin con settings | trols and | This is | s where a | II the connec | tions, b | outton | s, and a | ctions are co | nfigured. | |
| 3 | Log, Presets, configuration | | This is | s where d | isplay log inf | ormatio | on, pre | eset, and | l import/expo | rt setting. | |



3.2 Sidebar

| | | 1 | 😎 Emulator |
|---------------------------------------|---|---|---|
| | | 2 | ▶ Web buttons |
| | | 3 | G Mobile buttons |
| | | 4 | 🟦 Bugs & Features |
| | | 5 | 🚢 Facebook |
| | | 6 | 🔩 Slack Chat |
| | | 7 | \$ Donate |
| | | 8 | i Getting Started |
| | | | |
| No | ltem | | Function Descriptions |
| No | Item | Emulator is | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck |
| No | Item | Emulator is connected. | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck |
| No | Item Emulator | Emulator is connected. would. | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck |
| No | Item Emulator | Emulator is connected. would. You can us | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. |
| No | Item Emulator | Emulator is connected. would. You can us Instructions | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. |
| No 1 2 | Item Emulator Web buttons | Emulator is connected. would. You can us Instructions Web buttor | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. |
| No 1 2 3 | Item Emulator Web buttons Mobile buttons | Emulator is connected. would. You can us Instructions Web buttor It will open | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. in a new browser and display the analog button on the mobile device. |
| No 1 2 3 4 | Item Emulator Web buttons Mobile buttons Bug & Features | Emulator is connected. would. You can us Instructions Web buttor It will open Companior | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. in a new browser and display the analog button on the mobile device. a GitHub to report bugs. |
| No 1 2 3 4 5 | Item Emulator Web buttons Mobile buttons Bug & Features Facebook | Emulator is connected. would. You can us Instructions Web buttor It will open Companior Facebook g | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. in a new browser and display the analog button on the mobile device. a GitHub to report bugs. group to share information and ask questions. |
| No 1 2 3 4 5 6 | ItemEmulatorWeb buttonsMobile buttonsBug & FeaturesFacebookSlack Chat | Emulator is connected. would. You can us Instructions Web buttor It will open Companior Facebook of The Slack of | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. in a new browser and display the analog button on the mobile device. a GitHub to report bugs. group to share information and ask questions. group for developers. |
| No 1 2 3 4 5 6 7 | Item Emulator Web buttons Mobile buttons Bug & Features Facebook Slack Chat Donate | Emulator is connected. would. You can us Instructions Web buttor It will open Companior Facebook g The Slack g | Function Descriptions a tool to test and use the setup, even if you don't have a Stream Deck It will open in a new browser tab and will function just like a Stream Deck e keyboard hotkeys to control the emulator and trigger button presses. a are found on the bottom of the emulator page. as is a way of viewing all your buttons across all pages on a single screen. in a new browser and display the analog button on the mobile device. a GitHub to report bugs. group to share information and ask questions. group for developers. show your support and fund future development. |

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3.3 Instances

| | [| ₩ Instances | 🌣 Config | # Buttons | 😎 Surfaces | Settings | |
|----|------------|---|--|--|----------------|---|------|
| | 5 | CONNECTION Instances are the control them. (1) Module Camera Lumens Add by categor Add by search. | DNS / INST e connections c 2 Label VC-A50P y Add by r | ANCES ompanion mak 3 Status OK | Actions | ices and software in order to DISABLE EDIT | |
| No | ltem | | | Fu | unction De | scriptions | _ |
| 1 | Module | Display the Press the o | Module nai | me. rk icon to op | en that mod | lule's help information. | |
| 2 | Label | Display the | e name of the | e newly add | ed custom L | abel. | |
| 3 | Status | Display the | e current cor | nection stat | us with the o | device. | |
| | | Click [DEL | ETE] to de | lete the devi | ce. | | |
| 4 | Actions | Click [DIS | ABLE] to di | sable the de | evice. | | |
| | | Click [EDI | T] to edit th | e device set | ting. | | |
| 5 | Add Device | Add a new | device, eith | er by finding | g it by catego | ory, by manufacturer, or | thro |



3.4 Config







3.5 Buttons

| | | ₩ Inst | ances 🛱 Buttons 🖙 Surfaces 😤 Settings |
|------------------------|--|----------------|--|
| | | BUT | TON LAYOUT |
| | | The s want | quares below represent each button on your Streamdeck. Click on them to set up how you hem to look, and what they should do when you press or click on them. |
| | | You c a num | an navigate between pages using the arrow buttons, or by clicking the page number, typing in ber, and pressing 'Enter' on your keyboard. |
| (| D — | | 1 PAGE |
| | | ₽ | |
| | <u>ی</u> | PAGE 1 | |
| | ٤) | | |
| | | 1.25 | |
| (| 3 | | opy ↔ Move 👕 Delete 🔄 👁 Wipe page 👁 Reset page buttons |
| | | | |
| (| ۸) | | |
| (| 4) —— | | Export page |
| (| 4) | | Export page |
| No | 4) Item | - B | Export page Function Descriptions |
| No | 4) Item | | Export page Function Descriptions It can be navigated using the red left/right arrows. |
| (No 1 | 4) Item Page Sele | n ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, entering in the desired page number and page in the ENTER have an user leadered. |
| (No 1 | 4) Item Page Sele | L Ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. |
| (No 1 | 4) Item Page Sele | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you bold down the SHIET key on your keyboard, you can trigger a button directly by |
| (No 1 2 | 4 Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it |
| 1 2 | 4) Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. Conv. Move. Delete |
| 1 2 | 4) Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. • Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. |
| 1 2 | 4) Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. |
| (No 1 2 3 | 4) Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. Wipe page |
| 1 2 3 | 4) Item Page Sele Buttons | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. • Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. • Wipe page Erases all buttons on the page and adds the navigation buttons. |
| 1 2 3 | 4 Item Page Sele Buttons Edit button | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. • Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. • Wipe page Erases all buttons on the page and adds the navigation buttons. • Reset page buttons |
| (No 1 2 3 | 4 Item Page Sele Buttons Edit button | ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. Wipe page Erases all buttons on the page and adds the navigation buttons. Reset page buttons Leaves the buttons intact, but adds the navigation buttons. |
| 1 2 3 | 4 Item Page Sele Buttons Edit button | n ction | Export page Function Descriptions It can be navigated using the red left/right arrows. You can move to a specific page by clicking on the gray page number, entering in the desired page number, and pressing the ENTER key on your keyboard. You can add, edit and remove buttons for your Stream Deck. If you hold down the SHIFT key on your keyboard, you can trigger a button directly by clicking on it. Copy, Move, Delete Click on the desired action, then click on the button you want to apply that action to. Finally click on the destination button. Wipe page Erases all buttons on the page and adds the navigation buttons. Reset page buttons Leaves the buttons intact, but adds the navigation buttons. |



3.6 Surfaces



3.7 Log





3.8 Edit button

| | g Edit button 1.3 Presets et button type ▼ Erase Test actions onfiguration unent B B B< | Import / Expet Import / Ex | | | | |
|----|---|---|--|--|--|--|
| No | ltem | Function Descriptions | | | | |
| 1 | Set button type | Regular button Can trigger one or more actions. Page up Can move up to the next page set of buttons. Page number Shows the current page number/name. Pressing this button will return to page 1. Page down Can move down to the previous page set of buttons. | | | | |
| 2 | Erase | Erase all settings for this button. | | | | |
| 3 | Test actions | Click and can test the actions you set on this button. | | | | |
| 4 | Text | Enter the text you want to display on the button. You can force a newline in a label by typing \n where you want the newline to appear. | | | | |
| 5 | Font size | Adjusting the font's size. | | | | |
| 6 | live preview | A live preview will be shown on here. Button information will update in real-time in the Emulator and Stream Deck. | | | | |
| 7 | Browse PNG image | Click the red Browse button and choose the PNG (72x58px) file you want to use as a button's background. Text can be applied over the image. | | | | |
| 8 | Alignment | Setting the alignment of the text / PNG image. | | | | |
| 9 | Text color / Background color | Changing the text's color / button's background color. | | | | |
| 10 | Latch/Toggle | The Latch/Toggle checkbox changes the push behavior of the button, making the first press of the button trigger all the Key down/on actions, and a second press of the button trigger the Key up/off actions. When a button is pressed and is latched, its header will appear solid. | | | | |



| | | Each action can be delayed to run a certain number of milliseconds after the button is |
|--------|-----------------|--|
| 11 Rel | Relative delays | triggered. Delays can be configured to be Absolute (default) or Relative, by toggling |
| | | the checkbox in the button styling section. |
| | KEY DOWN / ON | You can add multiple actions and set delay times for each action. |
| 12 | ACTIONS | Multiple actions, even those from multiple modules, can be linked to a button. An |
| | | action may also have options to let you customize how the action performs. |
| | KEY UP / OFF | The KEY DOWN/ON ACTIONS will be performed when the button is triggered. |
| 13 | ACTIONS | The KEY UP/OFF ACTIONS are performed when the button is released, or when the |
| | | button becomes unlatched. |
| 4.4 | INSTANCE | Some modules are able to provide feedback back to the button, such as changing the |
| 14 | FEEDBACK | button's foreground or background colors to reflect the current status of the device. |

3.9 Presets





3.10Import / Export





4.1 Connect Stream Deck

4.1.1 Connect Stream Deck directly to a USB port on your PC or Mac. Do not use a USB hub.



- 4.1.2 Open the Companion software, click [Launch GUI] to enter the admin user interface.
- **4.1.3** Enter [**Surfaces**] page, press [**Rescan USB**] to scan for any newly attached Stream Decks.
- <Caution> Please close down Stream Deck Software, it will not scan devices as the Stream Deck app is running. Use with care as rescanning will block all operations while the scan is ongoing.

| 🔱 Instances 🛛 🏟 Co | onfig 🛑 Buttons | 😎 Surfaces | 🔁 Settings | | | | |
|--|-----------------|-----------------------------------|------------|--|--|--|--|
| CONNECTED DEVICES This is the surfaces currently connected to companion. If your streamdeck is missing from this list, you might need to close the Elgato Streamdeck application and click the Rescan button below. Rescanning blocks all operations while the scan is ongoing. Use with care! | | | | | | | |
| ID | Туре | | | | | | |
| emulator | Elgato Strean | ndeck Emulator | | | | | |
| AL12H3A00555 | Elgato Strean | ndeck device | Settings | | | | |
| AL12H3B00267 | Elgato Strean | ndeck device | Settings | | | | |
| AL12H2A01051 | Elgato Strean | Elgato Streamdeck device Settings | | | | | |
| CRescan USB | , , | | | | | | |

4.1.4 If the newly Stream Deck Device is showing, which means connect successfully. Any update in Companion will also update to stream Deck.



Chapter 5 Preset Action List

5.1 Camera-Preset Actions

| Itom | lcon | Model | VC- | VC- | VC- | VC- | VC- | VC- | VC- |
|------------------|---------------------|------------------------|--------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| nem | icon | Action | A50P | A61P | A71P | BC301P | BC601P | BC701P | TR1 |
| | SAVE PSET 1 | Save Preset 1 ~32 | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| Save / Recall | Recall PSET 1 | Recall Preset 1 ~32 | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| Preset | < Remark | VC-TR1 some spec | ific preset | positions h | nave been | used, so tl | ney are no | t available | and won't |
| | | show on the list. Ple | ase refer t | to <u>Chapter</u> | r 6 Troubl | eshooting | to get mo | re details. | |
| | Power ON | Power On | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| | Power OFF | Power Off | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | ✓ | \checkmark |
| System | Tally OFF | Tally off | × | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | Tally Red ON | Tally Red ON | × | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | Tally Green ON | Tally Green ON | × | \checkmark | \checkmark | × | × | × | × |
| | Expos. Auto | Full Auto | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| | Expos. Manual | Manual | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| | Shutter Pri. | Shutter Priority | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| | lris Pri. | Iris Priority | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| F | Shutter UP | Shutter Up | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| Exposure | Shutter DOWN | Shutter Down | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| | IRIS UP | Iris Up | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | IRIS DOWN | Iris Down | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | GAIN UP | Gain Up | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | GAIN DOWN | Gain Down | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| Lume | ns ® | | | | | | | | 21 |

| Itom | loon | Model | VC- |
|------------|----------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| item | icon | Action | A50P | A61P | A71P | BC301P | BC601P | BC701P | TR1 |
| | WB Auto | WB-Auto | \checkmark |
| White | One Push WB | WB-One Push WB | \checkmark |
| | R Gain UP | R Gain Up | \checkmark |
| Balance | R Gain DOWN | R Gain Down | \checkmark |
| | B Gain UP | B Gain Up | \checkmark |
| | B Gain DOWN | B Gain Down | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | ~ |
| | ZOOM IN | Zoom In | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | ZOOM OUT | Zoom Out | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| Long | FOCUS FAR | Focus Far | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| Lens | FOCUS NEAR | Focus Near | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | AUTO FOCUS | Auto Focus | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | One Push AF | One Push Auto Focus | \checkmark | \checkmark | \checkmark | × | \checkmark | \checkmark | \checkmark |
| | ¢ | Tilt Up | ~ | \checkmark | \checkmark | × | × | × | ~ |
| | \rightarrow | Tilt Down | \checkmark | \checkmark | \checkmark | × | × | × | ~ |
| | $\mathbf{+}$ | Pan Left | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |
| Pan / Tilt | 1 | Pan Right | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |
| | K | Pan-Tilt_UpLeft | \checkmark | ✓ | \checkmark | × | × | × | \checkmark |
| | Ν | Pan-Tilt_UpRight | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |
| | | Pan-Tilt_DownLef t | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |



| ltem | lcon | Model | VC- |
|------------|-----------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Action | A50P | A61P | A71P | BC301P | BC601P | BC701P | TR1 |
| | | Pan-Tilt_DownRig ht | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |
| | HOME | Pan-Tilt_Home | \checkmark | \checkmark | \checkmark | × | × | × | \checkmark |
| | Default Image | Image mode – Default | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | Brightness UP | Brightness + | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| Image | Brightness DOWN | Brightness - | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | Sharpness UP | Sharpness + | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | Sharpness DOWN | Sharpness - | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | MIRROR ON | Mirror On | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | MIRROR OFF | Mirror Off | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| Dia Effoct | FLIP ON | Flip On | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| Dig-Ellect | FLIP OFF | Flip Off | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | MIRROR FLIP ON | Mirror + Flip On | × | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| | MIRROR FLIP OFF | Mirror + Flip Off | × | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | × |
| Auto- | Tracking ON | Auto-Tracking On | × | × | × | × | × | × | \checkmark |
| Tracking | Tracking OFF | Auto-Tracking Off | × | × | × | × | × | × | \checkmark |

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5.2 MediaPrecessor- Preset Actions

5.2.1 Video/Audio

| lcon | Action | lcon | Action | lcon | Action | lcon | Action |
|---------------------|------------------------------|----------------------|-------------------------------|------------------------|------------------------------------|--------------------------|---------------------------------|
| | Start Record | HDMI OUT Vol. 100 | Line & HDMI Out Volume 100 | HDMI / Line | Unmute Line & HDMI Audio Out | CH1 HDMI 1 | Channel 1 ~4 Video source 1 |
| | Stop Record | HDMI OUT Vol. Max | Line & HDMI Out Volume Max | РБМ | Mute PGM Audio Out | CH1 HDMI 2 | Channel 1 ~4 Video source 2 |
| IN 1 Vol. 25 | Audio In 1 ~4 Volume 25 | PGM OUT Vol. 25 | PGM Out Volume 25 | Р GM ()) оит | Unmute PGM Audio Out | CH1 HDMI 3 | Channel 1 ~4 Video source 3 |
| IN 1 Vol. 50 | Audio In 1 ~4 Volume 50 | PGM OUT Vol. 50 | PGM Out Volume 50 | Line | Audio Input 1 ~4 Line In | CH1 HDMI 4 | Channel 1 ~4 Video source 4 |
| IN 1 Vol. 75 | Audio In 1 ~4 Volume 75 | PGM OUT Vol. 75 | PGM Out Volume 75 | MIC | Audio Input 1 ~4 Mic In | CH1 Video Source 5 | Channel 1 ~4 Video source 5 |
| IN 1 Vol. 100 | Audio In 1 ~4 Volume 100 | PGM OUT Vol. 100 | PGM Out Volume 100 | HDMI | Audio Input 1 ~4 HDMI In | CH1 Video Source 6 | Channel 1 ~4 Video source 6 |
| IN 1 Vol. Max | Audio In 1 ~4 Volume Max | PGM OUT Vol. Max | PGM Out Volume Max | IP Audio | Audio Input 1 ~4 IP Audio | CH1 Video Source 7 | Channel 1 ~4 Video source 7 |
| HDMI OUT Vol. 25 | Line & HDMI Out Volume 25 | IN 1 | Mute Audio Input 1 ~4 | ALL | Audio Output ALL | CH1 Video Source 8 | Channel 1 ~4 Video source 8 |
| HDMI OUT Vol. 50 | Line & HDMI Out Volume 50 | IN 1 | Unmute Audio Input 1 ~4 | Line / PGM | Audio Output Line Out + PGM | CH1 Video Source 9 | Channel 1 ~4 Video source 9 |
| HDMI OUT Vol. 75 | Line & HDMI Out Volume 75 | HDMI / Line | Mute Line & HDMI Audio Out | Multiview | Audio Output Multiview | CH1 Video Source10 | Channel 1 ~4 Video source 10 |

5.2.2 Image

| lcon | Action | lcon | Action | lcon | Action | lcon | Action |
|------------------|-----------------|-------------|----------------------|----------------|------------------|---------|----------------|
| ί <mark>Ο</mark> | Snapshot | BKGD Off | Background Off | Overlay Off | Overlay Off | Scene 1 | Scene ID 1 ~10 |
| Layout 1 | Layout ID 1 ~12 | BKGD 1 | Background ID 1~9 | Overlay 1 | Overlay ID 1 ~10 | Macro 1 | Macro 1 ~3 |

5.2.3 System

| lcon | Action | lcon | Action | lcon | Action | lcon | Action |
|--------------|---------|----------|---------|-----------------|------------------------|------|-----------------------|
| ^z | Standby | (| Wake up | ⊑∳ ↑ ())) | Start Backup to USB | | Stop Backup to USB |

5.2.4 Network

| lcon | Action | lcon | Action |
|--------------|-------------------|------|------------------|
| (((●))) 1 | Start Stream 1 ~3 | 等 | Stop Stream 1 ~3 |

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5.2.5 Camera

| lcon | Action | lcon | Action | lcon | Action | lcon | Action |
|----------|------------------|----------|------------------|----------|------------------|------------|--------------|
| Call CH1 | Call Channel 1~4 | Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | ← ∄ | Move CH1 ~4 |
| Preset 1 | Camera Preset 1 | Preset 7 | Camera Preset 7 | Preset 4 | Camera Preset 4 | | Camera UP |
| Call CH1 | Call Channel 1~4 | Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | ליי | Move CH1 ~4 |
| Preset 2 | Camera Preset 2 | Preset 8 | Camera Preset 8 | Preset 5 | Camera Preset 5 | | Camera DOWN |
| Call CH1 | Call Channel 1~4 | Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | ₽₽ | Move CH1 ~4 |
| Preset 3 | Camera Preset 3 | Preset 9 | Camera Preset 9 | Preset 6 | Camera Preset 6 | | Camera LEFT |
| Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | Save CH1 | Save Channel 1~4 | ∱ ∄ | Move CH1 ~4 |
| Preset 4 | Camera Preset 4 | Preset 1 | Camera Preset 1 | Preset 7 | Camera Preset 7 | | Camera RIGHT |
| Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | Save CH1 | Save Channel 1~4 | ⊕ | Channel 1 ~4 |
| Preset 5 | Camera Preset 5 | Preset 2 | Camera Preset 2 | Preset 8 | Camera Preset 8 | сн1 | Zoom IN |
| Call CH1 | Call Channel 1~4 | Save CH1 | Save Channel 1~4 | Save CH1 | Save Channel 1~4 | Ю | Channel 1 ~4 |
| Preset 6 | Camera Preset 6 | Preset 3 | Camera Preset 3 | Preset 9 | Camera Preset 9 | сн1 | Zoom OUT |



This chapter describes problems you may encounter while using Companion module. If you have questions, please refer to related chapters and follow all the suggested solutions.

| No. | Problems | Solutions |
|-----|---|---|
| 1. | How to setting on [Settings] page? | Please press "Getting Started" on the sidebar to get more Settings information. |
| 2. | When setting VC-TR1 Preset position, some preset positions are not displayed. | Some VC-TR1 special preset positions have been used, so these preset positions will not be displayed when setting the preset positions. Preset position used: 0.1.5.6.7.8.80.81.95.96.99.121.122.123 |
| 3. | Why cannot scan the Stream deck device? | Please close down Stream Deck Software, it will not scan devices as the Stream Deck app is running. |
| 4. | Why cannot connect to the camera? | Please confirm: 1. The computer IP address is set on the same network segment with the device. 2. The IP address of device is correct. 3. Target PORT: Camera - enter 52381; MediaPrecessor - enter 5080. If the device is PTZ camera, please also confirm: 1. Select id1 on LUMENS Camera Address. 2. The camera DIP switch is set on ID1. |



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