

NO CODE EXTENSION TO THE ELGATO STREAM DECK FOR MICROSOFT TEAMS

V1.0

INTRODUCTION TO NO CODE EXTENSION OF THE ELGATO STREAM DECK

There are three ways to extend the Elgato Stream deck for Microsoft Teams beyond installing the Elgato Stream plug in for Microsoft Teams. [Microsoft Teams - Plugins \(elgato.com\)](#)

These are:

- 1) The use of Microsoft Teams Deep Links for Chat with target users [Deep link to a Teams chat - Teams | Microsoft Learn](#)
- 2) Terminal keyboard emulations using short cuts to navigate the client e.g. to drive status change or navigate to channels within the client [Use commands in Teams - Microsoft Support](#)
- 3) Launching “captured” web URLs using the Teams Web App from <https://teams.microsoft.com>

A brief demo of all 3 methods is here [YouTube A Step-By-Step guide to extend Microsoft Teams Workflow with No Code Stream Deck Extensions - YouTube](#)

Deep Linking For Teams Client Chat

Teams deep links enable an HTML call to open a Chat in the Teams client, full documentation can be found here. [Deep link to a Teams chat - Teams | Microsoft Learn](#)

The format for a deep link is <https://teams.microsoft.com/l/chat/0/0?users=<username@domain.com>>

An approach to building out a multiple buttons would be

- 1) User a text editor to build the list of users you would like to 1:1 chat with , you will use this to cut and paste into each button

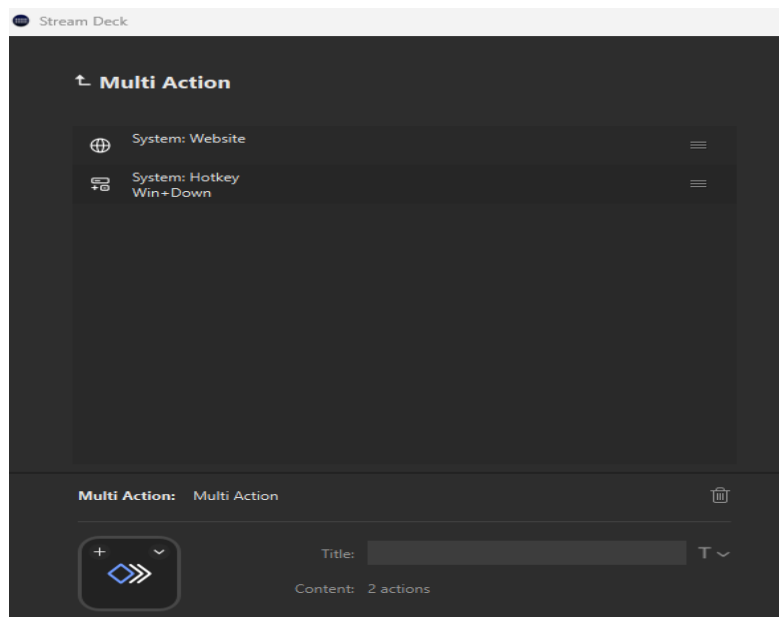
e.g.

<https://teams.microsoft.com/l/chat/0/0?users=user1@domain.com>

<https://teams.microsoft.com/l/chat/0/0?users=user2@domain.com>

<https://teams.microsoft.com/l/chat/0/0?users=user3@domain.com>

- 2) Create a Multi Action Template button in Elgato Streamdeck to cut and paste & use the individual URLs per button , per person. Use the Website action n for the URL & the System HotKey with a Win+Down to minimize the browser window as it opens and executes the Teams client.



- 3) Customize the button with the photo of the person you would like to chat with (see Top Tips)

Thoughts: The browser page opening can be a distraction, hence the Win+Down command. One method to avoid is to pre-minimize the Browser out of the main screen area.

Included in the package is a Streamdeck Profile with example templates. To get to work for you would will need to edit text to change to your user name of user domain name.

Deep Link: substitute [user@domain.com](#) in the System Website to your user name @ domain e.g. john@contoso.com

Terminal keyboard emulations using short cuts to navigate the client.

Using the Elgato Stream deck to emulate a keyboard allows you to take action such as changing your status from busy to free, make a phone call or execute any number of commands enabled by the “/” in the search bar of the Teams client. [Use commands in Teams - Microsoft Support](#)

It requires the Teams client to be called to get the focus, then standard Windows hot keys or Teams commands to be executed.

To illustrate, here is an example of changing status “available” to “busy”

Having Selected Multi Action , add the following Steps

- 1) System Open
C:\ProgramData\dmccutch\Microsoft\Teams\Update.exe --processStart "Teams.exe"
Note: The above will open or move focus to Teams
- 2) Multi Action Delay
1000 ms
Note: You can increase or decrease this value if not working for you
- 3) System Hotkey
Ctrl+2
Note: Teams Ctrl Key to go to the chat page
- 4) Multi Action Delay
1000 ms
Note: You can increase or decrease this value if not working for you
- 5) System Hotkey
Ctrl+E
Note: Teams Ctrl Key to go to the search bar
- 6) Multi Action Delay
1000 ms
Note: You can increase or decrease this value if not working for you
- 7) System: Text
/busy
Note : sets status to busy in
- 8) Multi Action Delay
1000 ms
Note: You can increase or decrease this value if not working for you
- 9) System Hotkey
Return
Note: Sends command to Teams client and status should change

This method works well with the right delays. Jamming in as fast as you can will result in overrunning the UI. If you find that this partially completes , slow it down with a delay or separate commands into tow chunks e.g. for Call phone number, it split out to “/cal” “I” <delay> Hotkey:Space <delay> telephone number. Without the split the UI would not render the ask for the number or user.

Included in the package is a Streamdeck Profile with example templates. To get to work for you will need to edit text to change to your user name of user domain name.

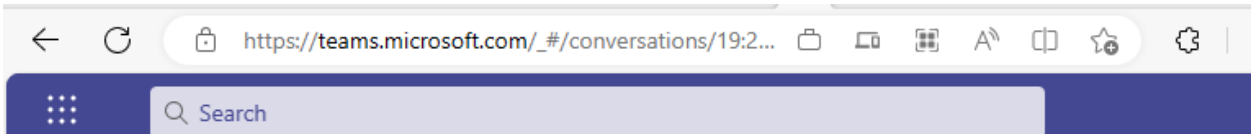
Keyboard & Call : In System Open substitute [<username>](#) to the name your Windows PC is storing your user profile as. Browse C: drive -> Users -> to see the list. Same with the "Snip" call.

Terminal keyboard emulations using short cuts to navigate the client.

This approach will drive all activity exclusively in a browser session. The benefit is that you can have both the Teams desktop client open & have the Teams Web browser also active. This is the simplest implementation of no code into the Elgato and uses <https://teams.microsoft.com> browser session to capture relevant chats and channels & entering into the Website action the resulting URL.

Steps

- 1) Open the <https://teams.microsoft.com> client and navigate to a chat or channel



- 2) Copy the URL in the browser
- 3) Create a Website action in the Elgato Stream deck

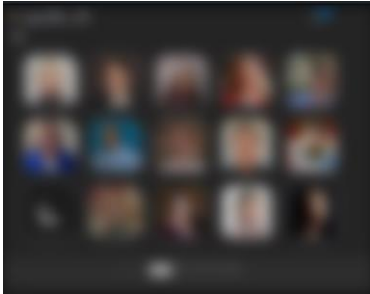


- 4) Paste the captured URL into Website button. Customize icon to preference.

Top Tips

Capturing A Persons Shared Office 365 Photo to use on a chat button.

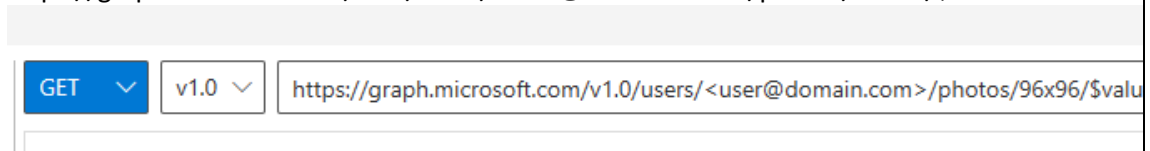
Capturing A Persons Shared Office 365 Photo to use on a chat button.



You can access the Office 365 graph to capture the photo the user has shared in Office 365 & use it for the “IM” button.

Here are the steps

- 1) Open the Office Graph Explorer , [Graph Explorer | Try Microsoft Graph APIs - Microsoft Graph](#)
- 2) Enter the user name.<username@domain.com> into the GET command line & press the “Run Query”
`https://graph.microsoft.com/v1.0/users/<user@domain.com>/photos/96x96/$value`



The screenshot shows a web interface for the Office Graph Explorer. It features a blue button labeled 'GET' with a dropdown arrow, a text box containing 'v1.0' with a dropdown arrow, and a text input field with the URL 'https://graph.microsoft.com/v1.0/users/<user@domain.com>/photos/96x96/\$value'.

- 3) Right click the image,-> Save As -> Select All Files->Type name e.g. joesmith.jpg. Note that you need to change the file extension to jpg as Elegato does not recognize the file extension it saves at by default. Tip: If you forget to this open a CMD window, navigate to the folder you saved the images and run the following command `RENAME *.* *.JPG`

Note: A photo size. The supported sizes of HD photos on Microsoft 365 are as follows: 48x48, 64x64, 96x96, 120x120, 240x240, 360x360, 432x432, 504x504, and 648x648. Photos can be any dimension if they are stored in Azure Active Directory.

Adding Snip To Capture Screen Shots For Reference

Snip is a great tool to capture on the spur screen shots as you walk through a presentation.

For quick access , consider adding it to your Teams button set.

Steps:

- 1) Open Snip. C:\Users\<user>\AppData\Local\Microsoft\WindowsApps\SnippingTool.exe
- 2) Activate with Shift+Win+S

