The Singularity Key-Press Add-on for Elite Dangerous

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Documentation & YouTube Video Tutorials
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Note*:* This will not work *on Elite Dangerous installed on the Playstation or Xbox*
- **Only PC versions of the game will work with this plugin.**
This includes Steam and Non-Steam versions on the PC.

Quick Links

NOTE: Voice responses from key-presses are limited to basic operational activities. GalaXapediA, and other such things are not assigned - nor should they be - to key-presses. They are too numerous, and besides.. They are more fun as responses to your voice commands.

A brief explanation for why we made this plugin

Right after the "Elite: Singularity" update, the ability to trigger the voice activated responses via key-presses became, well, er.. More difficult.

I searched the forums, and found that I was not the only one now having such difficulties.

Apparently, the new Singularity code, which (by the way) is more interactive and powerful and simpler to use in a multi-crew environment, is also more obfuscated (harder to follow, understand, and work with). You really have to learn to program in order to make this particular kind of change now.

I reached out to HCS Voicepacks for some support or advice. In fact I asked them directly if they planned to address this particular issue in future updates. They said "no". Their reason..? It would be too difficult to program, and they were not interested in providing the feature - since this is intended as a voice activated interactive tool, and not a key-triggered one.

Okay, I get that.
But, there is all this great voice acting, and there are cases where one might want to use some key-presses to trigger the basic ship Operation-related voice responses. Some users might, (for example) have a speech impediment, a thick regional accent, or like me, want to do continuous instructional narrations while playing the game 'and recording them for YouTube. Where, the narrational flow-of-consciousness would be better served if I didn't have to break the flow 'just to inform watchers of ship operations such as speed changes, system scans, etc. - Things I want my watchers to learn from through my own examples.

Since HCS pretty much never intends to address this, I put it out there (on the HCS Forums), and was delighted when Touille responded - who also thought this sounded like a good idea.

He worked very hard to create this. I was his beta tester. And we collectively put in may hours and days to get this to work.

It is hopefully free of bugs, should well serve the Elite Dangerous community as an immersion-enhancing add-on to this amazing VoiceAttach plugin by HCS Voicepacks.

WHAT IT " The Singularity Key-Press Add-On-Profile " DOES

The Singularity Key-Press Add-on is an add-on VAP (Voice Attack Profile) that works alongside your HCS Voicepack (*it also works with multi-crew* !) when using VoiceAttack with the HCS *Elite: Singularity* profile. It's main purpose is to instantiate direct HCS voice responses from your keyboard & numeric keypad's key-presses.

All the key-press voice responses are given by the crew-member assigned to the "OPERATIONS" role.

WHO IS IT FOR?

Anyone wanting to use key-presses from the keyboard and numeric keypad, in addition to (*or as a replacement for*) the usual use of the standard voice commands with your HCS Voicepacks for VoiceAttack (VA) plugin - for Elite Dangerous.

If you have issues with your HCS Voicepacks, where VA does not always understand your commands - maybe because you have an accent that VA cannot reliably understand, or maybe you simply prefer to use keyboard shortcuts to issue some of the commands, but still want the voice response from your HCS Voicepack OPERATIONS crew member (as if you had issued the command by voice).

> *For example, I use it because I produce a YouTube series for beginning explorers.*
> *I do not want to have to explain each time I make a speed change, or scan a planet; although still want my YouTube viewers to know when and how I performed the actions. Well.. by using keyboard shortcuts and this plugin, I am now able to do so. The crew member I personally have assigned to the OPERATIONS role (ASTRA in my case) will now vocalize these (and many other) actions I execute in-game 'so I can feel free just do my in-game narration 'while she keeps everyone informed of my behind the scene actions.*

Touille (pronounced TOO ya) - the person who developed this plugin - thought it was a good idea after he encountered my plea for help on the [HCS Forums](#) when HCS came out with Singularity, and we lost the ability to easily generate voice responses from key-presses.

I will be forever grateful to him for coming to the rescue.

This fills a gap that needed filling.

> *IN EARLIER VERSIONS, THIS WAS EASY TO DO YOURSELF IN VOICE ATTACK, but not now(!) - not since the singularity update was released.*
>
> *However, this plugin is the work-around.*

DOWNLOAD AND SETUP

NOTE: *Step numbers in* **RED** *are for everyone.*
Steps numbers in **BLACK** *are better for Explorers.*

DOWNLOAD INSTRUCTIONS

1.   **Download the plugin (VAP) here..**
https://github.com/Touille/Singularity-Keys-Press-Addon/releases

Unzip the file into your downloads folder (or wherever you want to keep it)

REQUIRED FILES

You must have Voice Attack - this is a paid plugin available at
http://voiceattack.com

You must also have at least one HCS Voicepacks crew member installed into voice attack.
Buy your HCS Voicepacks here..
http://hcsvoicepacks.com/

If both are installed on the same PC as your Elite Dangerous game..

Note*: this will not work on Elite Dangerous installed on the Playstation or Xbox*
- Only the PC versions will work with this plugin.
This includes Steam and Non-Steam versions on the PC.

INSTALLATION

2. **If Elite Dangerous is currently running - quit out of the game.**

3. **The next step is to launch Voice Attack.**
Make sure that Singularity is selected from the profile dropdown.

4. **Then click the Plus Sign** (next to the Edit "pencil")
and choose **Import Profile**.

5. **Select and import** the most recent download (VAP profile), which is in your downloads
folder in the uncompressed "Elite Singularity Keys Press Add-on x.x.x.x-Profile" folder.

*Note: The x.x.x.x stuff will be the version number for your file - and will be updated with each
new release. Always use the latest release.*

6. **Now use the profile dropdown to re-select the Singularity profile**.

7. **Click the edit (pencil)** icon to put Singularity into edit mode.

When in edit mode there is a small checkbox beside the profile name.
8. **Click that box**.

9. Look for "**Include commands from other profiles**", and click the 3-dot box to it's right.

You should see a window with additional other Add-On VAP files
(this might be empty if none had been added before).

10. **You should remove any previous versions of this Add-On** in the list to avoid possible
conflicts. *Use the minus button to the right of the list*.

11. **Then click the plus button to the right** to add the newest one from your saved and
unzipped "Singularity Key-Press Add-On x.x.x.x-Profile.vap" downloads.

A drop down will then allow you to select the Singularity Key-Press Add-On VAP file that you
added a few steps back. **Select it**.

12. **Click Okay**, and save your changes.

**Make sure that once you are back in the main Voice Attack window,
and that the Singularity profile is selected** (*important*).

That's it for the installation steps.

THE CUSTOMI**S**ER SETUP

NOTE: *Step numbers in* **RED** *are for everyone, and in* **BLACK** *for Explorers.*

13.   To get the most out of the Singularity Key-Press Add-On VAP..
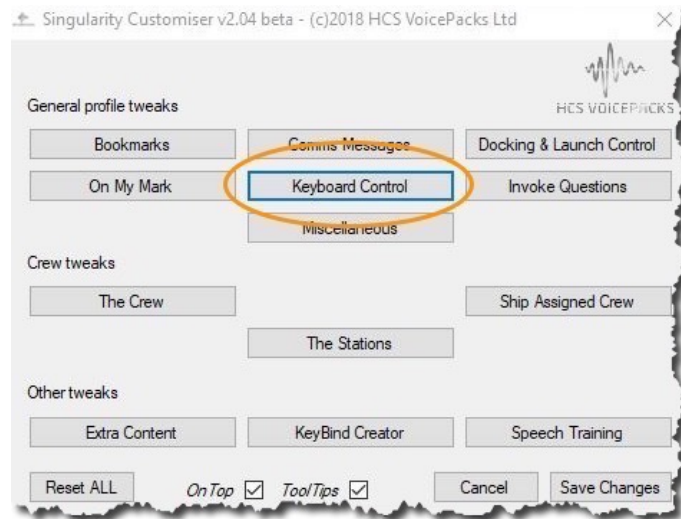In game, or when in the VA main interface, **give the following voice command..**

"*protocol override customize my settings*"

This will open the Singularity Customization window.

14.   **Click on "Keyboard Control"** as pictured below.

*If when you first arrive in a new system,
and you want to perform an ADVANCED DISCOVERY SCAN*

*AND IF you mapped your HOTAS to use it's primary fire-trigger on your joystick to
perform the advanced discovery scan*

Another window will open..

15.   **Check the box for: "***Switch to Primary fire for Disco Scanner***"**.

*This will tell "Singularity Key-Press Add-On" where this function was mapped in game 'for
your HOTAS profile that you set up in the game settings itself. Of course if you did not map
this in the game, and have the Advanced Discovery Scan mapped elsewhere, then you can
ignore this part.*

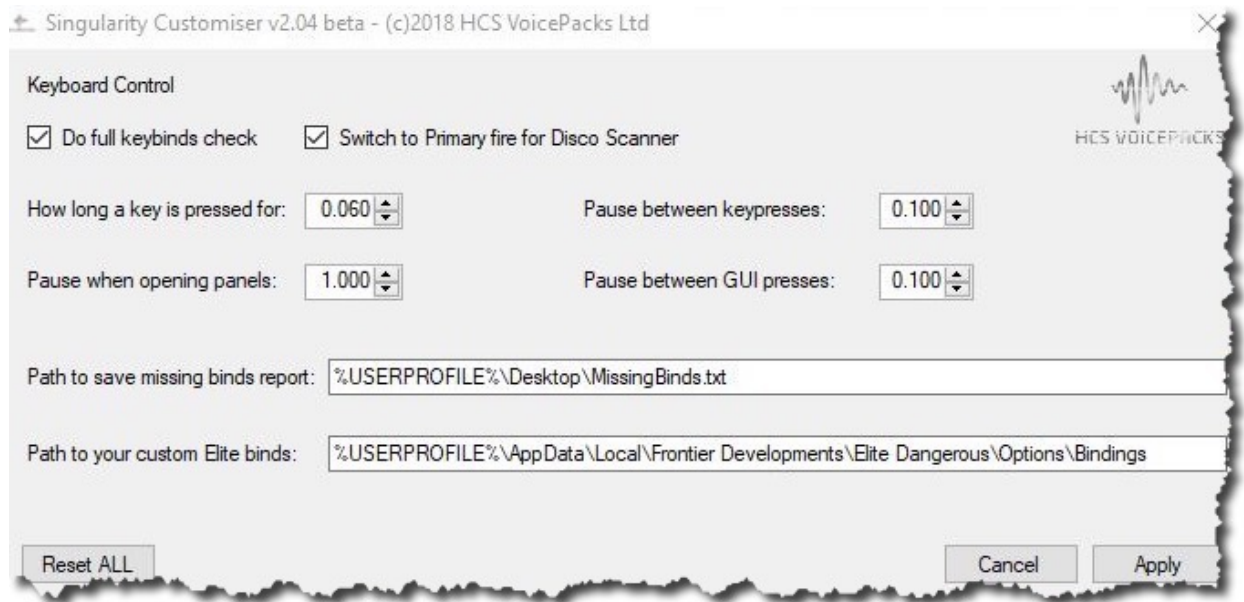**16.**   **Click "Apply"** to accept these changes.

*Note the location of your "**custom Elite binds**" file above.*

I suggest you take the time now, and open that folder.
You will need to locate the name of new file it creates in a later step.

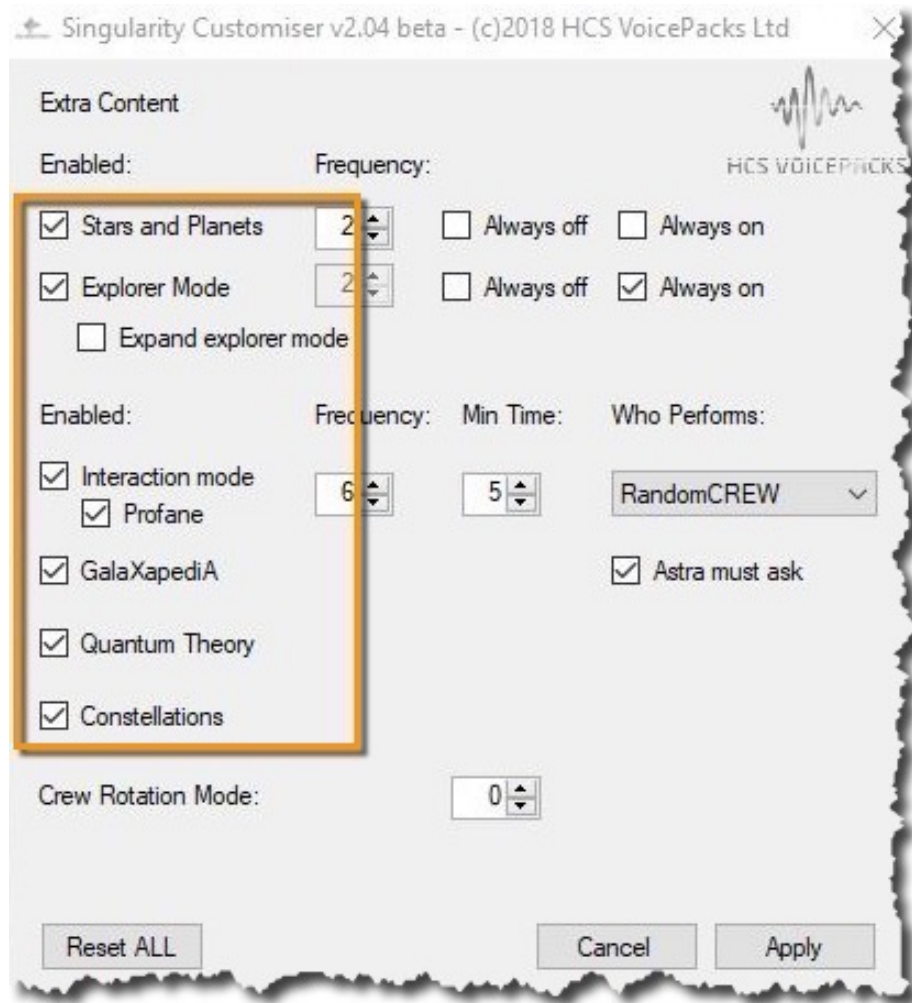**17.**   **Now, go to the Keyboard Control section**.
Another window will open..

18.   **Check the box for "Switch to Primary fire for Disco Scanner"**

19.   **And click "Apply"**

20. **Now select the Extra Content button..**

21. For the most immersive experience, **select these checkboxes..**

- **Stars and Planets**
- **Explorer Mode**

    - *NOTE: the "Expand explorer mode" checkbox will tell singularity to immediately target your next waypoint in route after performing the Advanced Discovery Scan for you. If you plan to spend some time looking at planets, moons, or other stars within the system, you might leave this checkbox unchecked. It's up to you, of course.*

- **Interaction Mode**
- **Profane** (if you like)
- **GalaXapediA**
- **Quantum Theory**
- **Constellations**

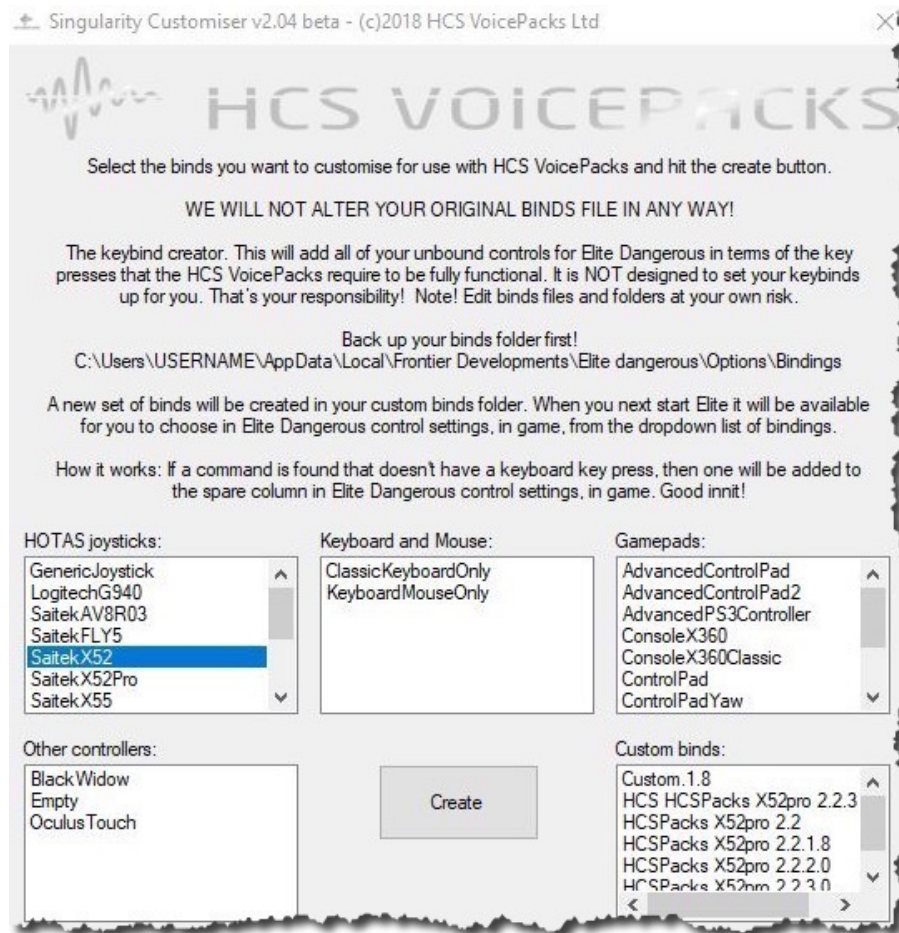**22.** **Click apply** to save these settings.

Next - since ED comes with a few common HOTAS setups in the game.
So does the HCS Singularity plugin.

You can tell Singularity which HOTAS you use, and it will create a custom button map that utilizes all the great features that Singularity provides.

To tell Singularity to do this,

23. **Click the "KeyBind Creator" button.**

Another window will open..

24. Here you **select your HOTAS** from the list.

I have a Saitek X52 Pro, so that's the one I selected in the picture above.

25. **Click the "Create" button**.

A new profile will be created for you in your "*custom Elite binds*" location
'I said to note earlier.

> ***Make a note of the name of this new bind file*** *it created for you, as you will need to know it when in the game and you select the proper profile.*

26.   **Close this window by clicking the "X"** in the upper right hand corder of this window.

27.   **Then click the "Save Changes"** button in the main Customization window.

When you next launch Elite Dangerous, go to game settings and choose the profile that was just created - it should be a new addition in that list of preconfigured choices.

FINAL STEPS..

26. Now its time to **launch Elite Dangerous**.

27. **Go to OPTIONS -> CONTROLS**

28. **Select the HOTAS (or control) created for you back in step 23.**

29. **Click APPLY.**

30. **Quit Elite Dangerous and VA.**

27. **Now, launch VA again.**

If you see a warning message in the VA main window that refers to a text file - this is telling you that some essential keyboard shortcuts are not yet set in the game itself.

If you do step above (23-30) you shouldn't have this warning

If you do not do step above you can use the customizer : the customizer has a keybind creator which will add missing binds for you (KEYBIND CREATOR IN THE CUSTOMIZE MY SETTING WINDOWS).

If there's no warning, you're good to go.
You can skip ahead to the USAGE section.

Otherwise.. (*If you did not perform steps 23-30*)

Locate and open that text file, and make sure to set the keypresses in-game according to that list of missing keyboard shortcuts. You can use any shortcuts you want; but make sure that each one is unique, and not duplicated elsewhere - otherwise there will be conflicts.

Once that is done, quit out of the game, quit and relaunch VA, and then relaunch the game.

If all the essential key board shortcuts were set according to that list, then you will not see that warning message again. If you do, reopen the text file, and correct the remaining essential keyboard shortcuts.

If you are not receiving any more warning messages,
everything should work.

USAGE

You are now ready to begin a new game session..
Each time you begin a new game session, you will need to..

A.   **Launch Voice Attack first - make sure the Singularity profile is selected.**
B.   **Launch the game.**
C.   **When the game is launched, give the verbal command**
     "Start the loop"
D.   **You are now ready commander - have at it!**

THE LOOP - what does it do and why do I need to issue the "Start the loop" command?

When in The Galaxy Map, the System Map, or in a Station or Outpost, and you need to enter text into any fields, the keyboard shortcuts will be automatically disabled for you; and they will automatically be resumed once you are back in your ship's cockpit.

If you L ALT TAB out of the game, the keyboard shortcuts will be temporarily disabled, and will resume once you are back in your Ship's Cockpit again.

If you want to disable listening, simply say: "**Stop listening**".
To re-enable listening, say: "**Start listening**".

"Listening" (when on) allows VA to respond to voice commands.
When it's off, you can speak freely without inadvertently triggering a voice command.

Of course, it will still listen for your voice commands to re-enable listening mode.

When playing the game:
    Your keyboard shortcuts will now return a voice response using your primary HCS crew-member.. If you have more than one (in multi-crew), it will use the one assigned to the OPERATIONS role.
    You can still issue voice command (of course).

There are a few other voice commands you can use to enable/disable voice responses in three areas.

    a.   The Galaxy Map (this is off by default)
    b.   The System Map (this is off by default)
    c.   And when you Deploy your Weapons (this is on by default)

     Some voice command have not been mapped to voice responses yet, but may be in future updates. It is for this reason that (if you look inside the plugin in edit mode) you will find some keypress responses disabled.

     Others may have been disabled because it made sense to do so, but may be enabled by you if that is your preference.

The following is a list of the common keyboard shortcuts that are currently working and that will instantiate a voice response when the key is pressed..

ACTION	SHORTCUT	VOICE RESPONSE
Balance Power	DOWN ARROW	disabled (yes if enabled)
Boost	TAB	yes
Captain's Log (if you have it)	L ALT C	yes
Cargo Scoop	HOME	yes
Cycle Next Target	G	yes
Cycle Previous Target	B	yes
Deploy Chaff	C	yes
Deploy Shield Cell	' (apostrophe)	yes
Discovery Scan	- (minus on keyboard)	yes
External Camera	F1	
Flight Assist	Z	yes
FPS	L CONTROL F	
Galaxy Map	/ ?	Yes (if when is enabled)
Hardpoints	U	yes
Heatsink	V	yes
High Resolution Photo	L ALT F10	
HMD Reset	F12	
Landing Gear	L	yes
Light	INS	
Lock Target	T	yes
Lower Volume	Vol Down	
Mute/Unmute Volume	Vol Mute	
Next Fire Group	. >	Yes

ACTION	SHORTCUT	VOICE RESPONSE
Next Subsystem	I	yes
Next System in Route	M	yes
Orbit Lines	= +	yes
Planetary Scan	NUM -	yes
Play/Pause Music	Play/Pause	
Pervious Fire Group	, <	yes
Previous Subsystem	K	yes
Raise Volume	Vol UP	
Screenshot	F10	
Select Wingman 1	8	disabled (but yes if enabled)
Select Wingman 3	0	disabled (but yes if enabled)
Select Wingman 2	9	disabled (but yes if enabled)
Show/Hide Ship GUI	L CTRL L ALT G	
Silent Running	Del	yes
System Jump	J	yes
System Map	; :	yes (if feedback is enabled)
Throttle down to 0%	X	yes
Throttle to 100%	Num +	yes
Throttle to 25%	Num 1	yes
Throttle to 50%	Num 2	yes
Throttle to 75%	Num 3	yes

If you want to change these, you can.

However there are a few considerations to keep in mind if you do.

1. These are all (more or less) the defaults from Elite Dangerous, and if you think you might later remove this plugin completely 'your keyboard shortcuts may not work as expected.
2. You can always disable the plugin by issuing the verbal command "Loop Off" (or it's equivalent).
3. If you change them in the plugin, you should probably also make the same changes in the game setting too. This is not necessary, but would solve the problem mentioned in (1).
4. If you have the same shortcut for more than one behavior, you will probably have some conflicts. So be careful.

Final thoughts & Some FAQS

CAN I INVOKE VOICE RESPONSES DIRECTLY FROM MY HOTAS?

You can, but not directly from this VAP.
This is because every HOTAS manufacturer maps their HOTAS somewhat differently within the game - due to their varying button and trigger layouts.

The work-around for this (after you've installed the Singularity Key-Press Add-on) is to launch your HOTAS' control panel - the one that came with your HOTAS. From there, you should be able to manually map your HOTAS button pushes to the shortcuts that are set in the Key-Press Add-On.

This can be a time-consuming step - but it only needs to be done once.
Be sure to save your setup when you're done.

Once this is done, when you press a button or use a switch on your HOTAS, the button/switch command will be issued as if you pressed a button on your keyboard/numeric keypad, and the Key-Press Add-on plugin will respond as if you had pressed the key on your keyboard.

WHAT IF I FIND A BUG, OR WANT TO MAKE A SUGGESTION?

The plugin is downloaded through GitHub - and we have set up the "Issues" tab to receive any suggestions or bug reports there. Of course you will have to be logged in a a GitHub user, but this is a simple process, and is free. Just go to GitHub.com, and sign up.

If you are already a GitHub member, just sign in.

Then go to https://github.com/Touille/Singularity-Keys-Press-Addon/releases
Select the Issues tab at the top of the page, and create your new issue.

PLEASE DO NOT EXPECT A REPLY
Your issue/comment will be noted by Touille.
He will attend to it as he sees fit.

This is a free plugin, so don't expect him to respond (unless he thinks it's worth doing).
He will release replacement updates as they become necessary, or when he adds new features.

There is not an automatic update feature, so please check back here yourself to check for updates from time to time.

I myself (CMDR Alger Pixel) will post new release updates to my YouTube Channel,
And also to the Discord Channel I created for this plugin. I plan to spread this all around the Elite Dangerous game-scape, so other's out there may also want to link to the updates and/or this plugin (who knows!). I'll also try to get it listed with as many of the ED Third Party Plugin websites as I can. But it may take awhile for these to pick it up though.

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**I will do my best to update this documentation as often as I can,
if there are significant changes made to the plugin by Touille.**

I am not the developer - please keep that in mind.
I cannot fix bugs or problems.

The best place to report a bug or make requests is at Touille's GitHub portal
which is here..
https://github.com/Touille/Singularity-Keys-Press-Addon/issues

I will also encourage the developer (Touille) to monitor the Discord channel I have set up for this
plugin. Here's a link to it..
Discord Channel

Here's a quick reference of the extra voice commands..

-------------------- DEFAULT VOICE FEEDBACK FOR KEY-PRESSING --------------------

By default, when you activate the Loop:

- Map Voice FeedBack is OFF

- Typing Voice FeedBack is OFF

- Weapon Voice FeedBack is ON (Deploying/Retracting)

-------------------- THE LOOP AND THE VOICE COMMANDS --------------------

[] = One of this voice commands   () = Comments

XXXXXX =

-The loop

-[Listening OR Voice Control]

-[Keyboard Mode OR Typing Mode]

-Map Voice Feedback

-Typing Voice Feedback

-Weapon Voice Feedback (Deploying/Retracting)

-------------------- Voice Commands

TO ENABLE :

- Activate XXXXXX

- Enable XXXXXX

- Switch ON XXXXXX

- Turn ON XXXXXX

- Start XXXXXX

----------- Only for Voices feedback commands (Not the loop)

- XXXXXX (Minus "Voice" -> "Map Feedback", "Typing Feedback", "Weapon Feedback") ON

----------- Only for Enable VA Typing Mode/Keyboard Mode (Singularity Commands)

- Keyboard Mode ON

- Typing Mode ON

----------- Only for Enable VA Listening/Voice Control (Singularity Commands)

- Wake UP

TO DISABLE :

- Deactivate XXXXXX

- Disable XXXXXX

- Switch OFF XXXXXX

- Turn OFF XXXXXX

- Stop XXXXXX

----------- Only for Voices feedback commands (Not the loop)

- XXXXXX (Minus "Voice" -> "Map Feedback", "Typing Feedback", "Weapon Feedback") OFF

----------- Only for Disable VA Typing Mode/Keyboard Mode (Singularity Commands)

- Keyboard Mode OFF

- Typing Mode OFF

----------- Only for Disable VA Listening/Voice Control (Singularity Commands)

- Go to sleep

EXAMPLE:
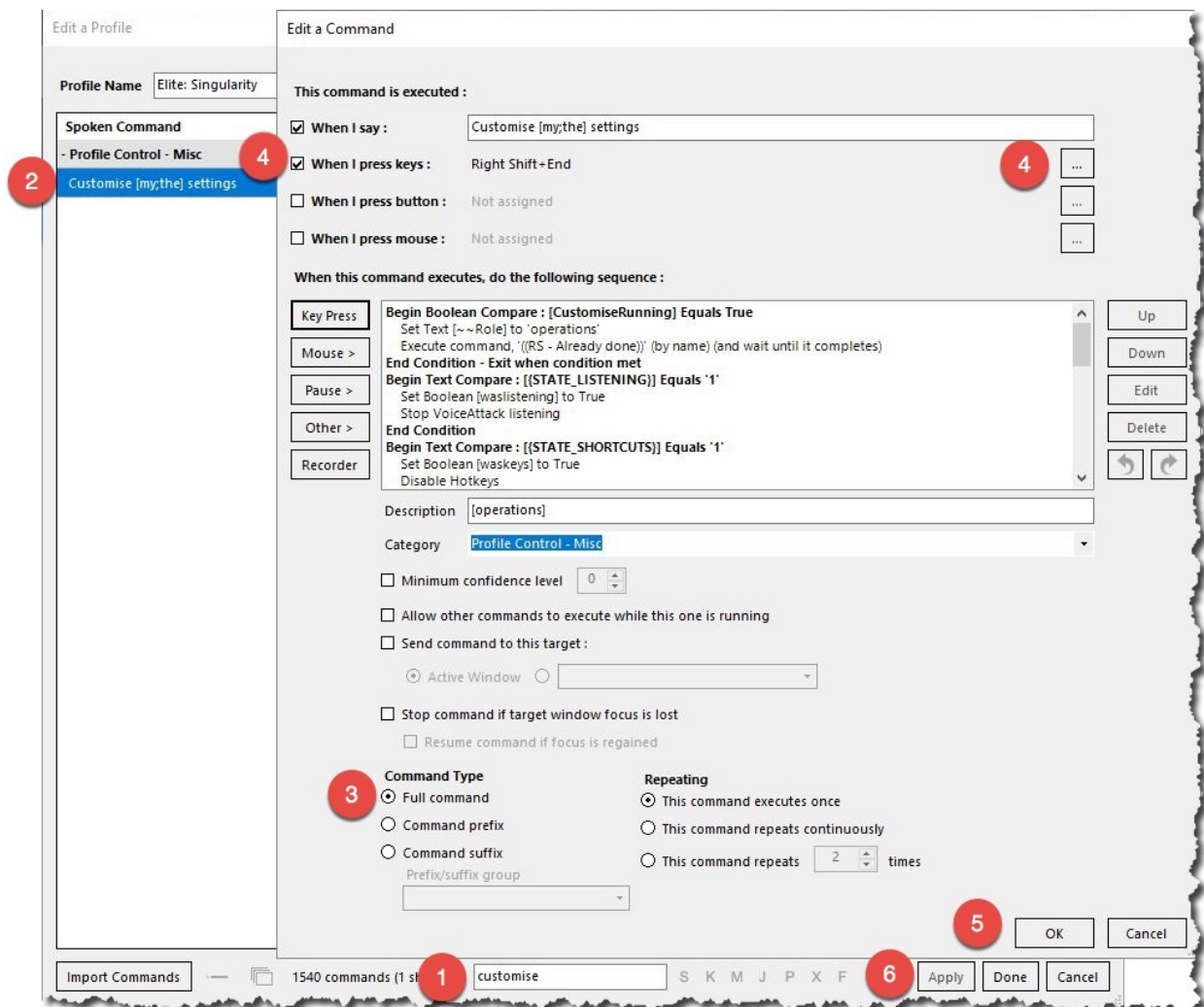
       - Activate The loop (please :))

       - Turn OFF Map Voice Feedback

       - Start Voice control

       - Switch ON Weapon Voice Feedback

       - Enable Typing Voice Feedback

       - Map Feedback ON

       - .....

How to set a Keypress for the
"Protocol Override Customize My Settings" voice command

1. **Open Singularity in Edit mode**.
2. **Use the search field (bottom right) and search for "customise"**
    (*note that this incorrect spelling is intentional - HCS misspelled it*)
3. **Double click the command to open it in the code editor**.

    The original setting for this command is for it to be a Suffix - it needs to be changed into a regular command first - before it will allow you to set a shortcut.

4. (After step 3) **Check the box to set a key command**.
5. **Set your desired shortcut** - I used R SHIFT END

6. **Accept and Save the changes** - back out to the main VA window. **Your done**.

Disclamer