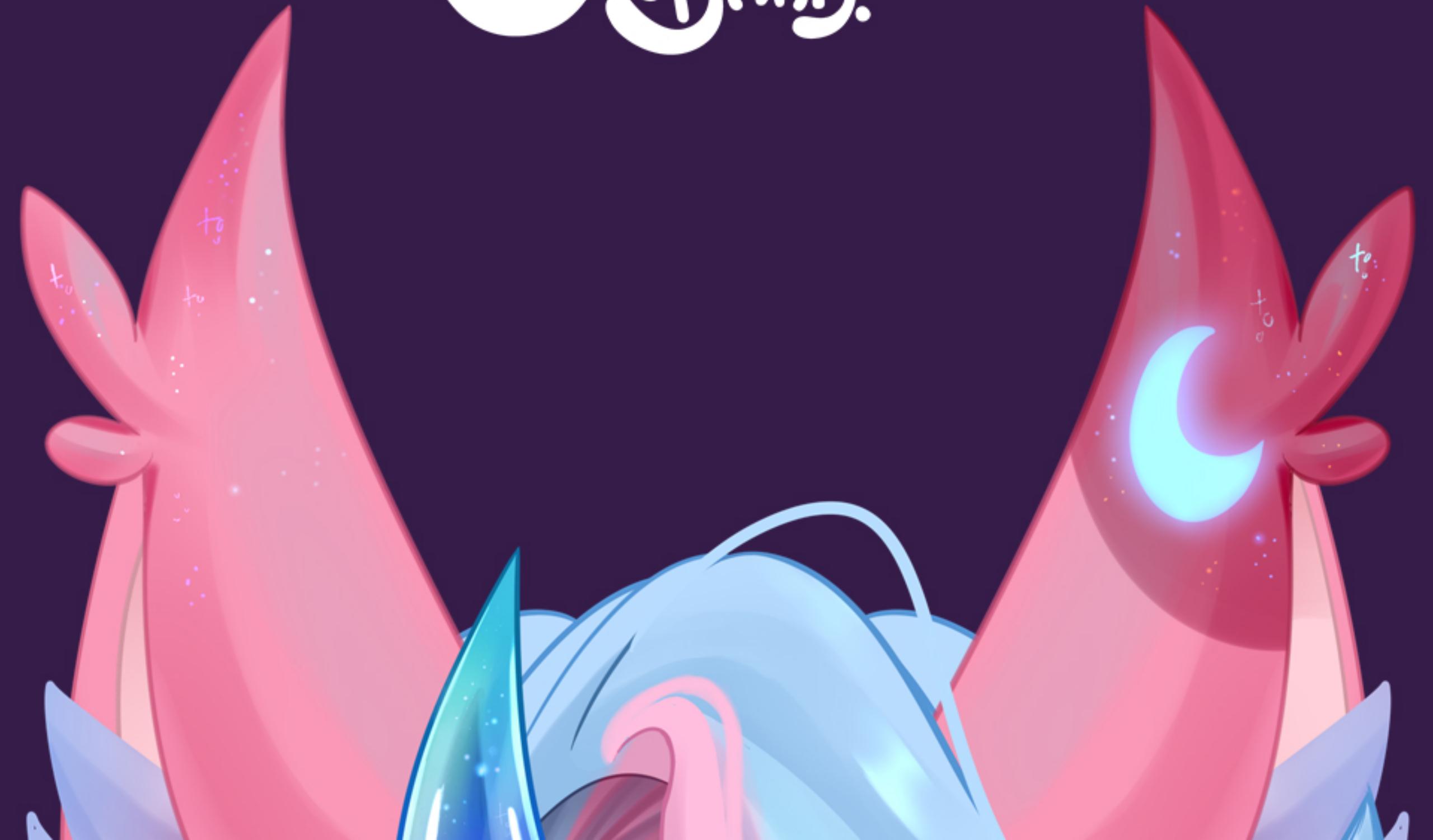


! VTUBER !
SETUP TUTORIAL

by



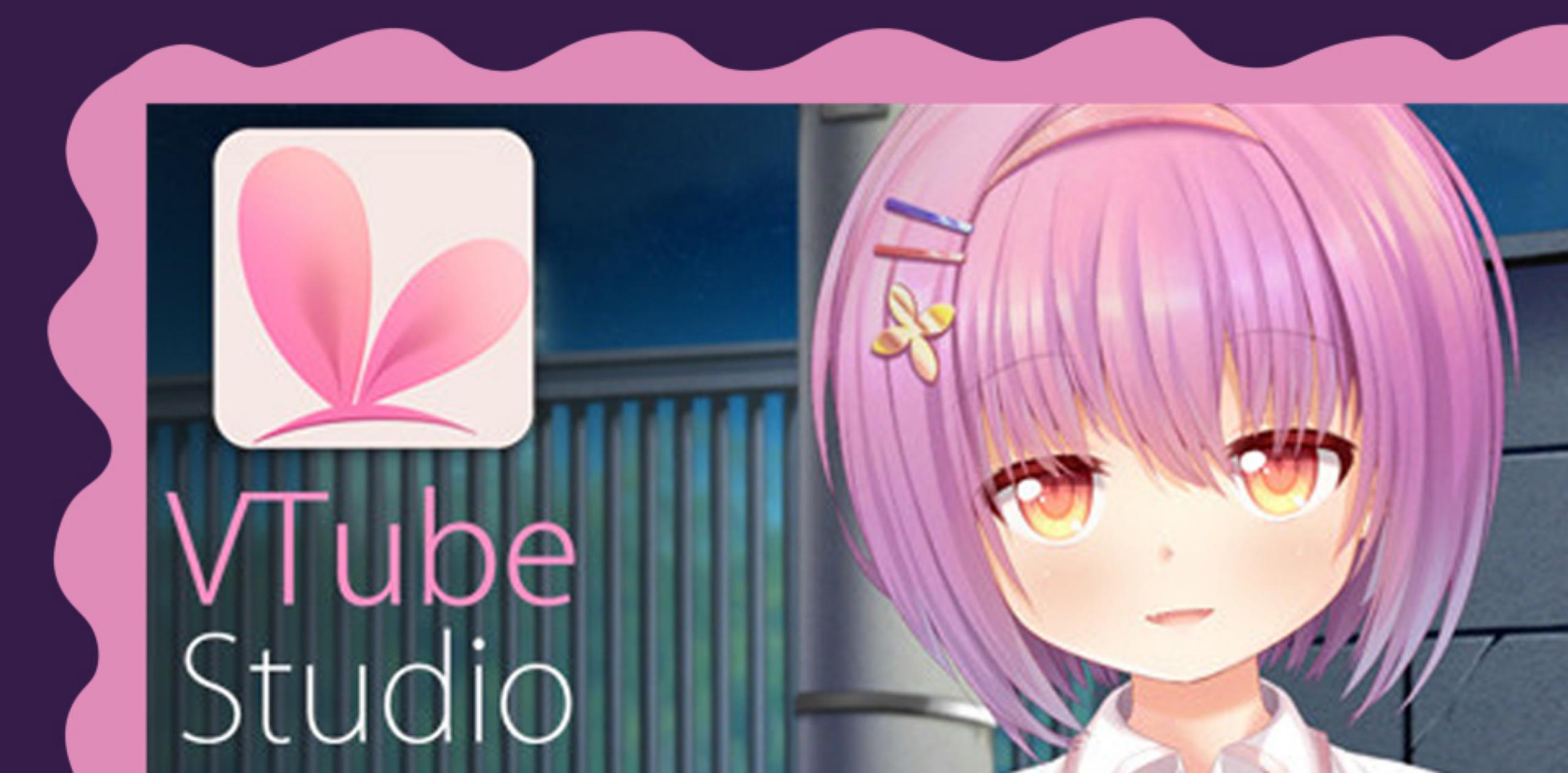
THE BASICS: WHICH PROGRAM?

- WE'RE GONNA BE USING:

- > VTUBE STUDIO FOR FACE TRACKING

- YOU CAN FIND IT ON:

- > STEAM

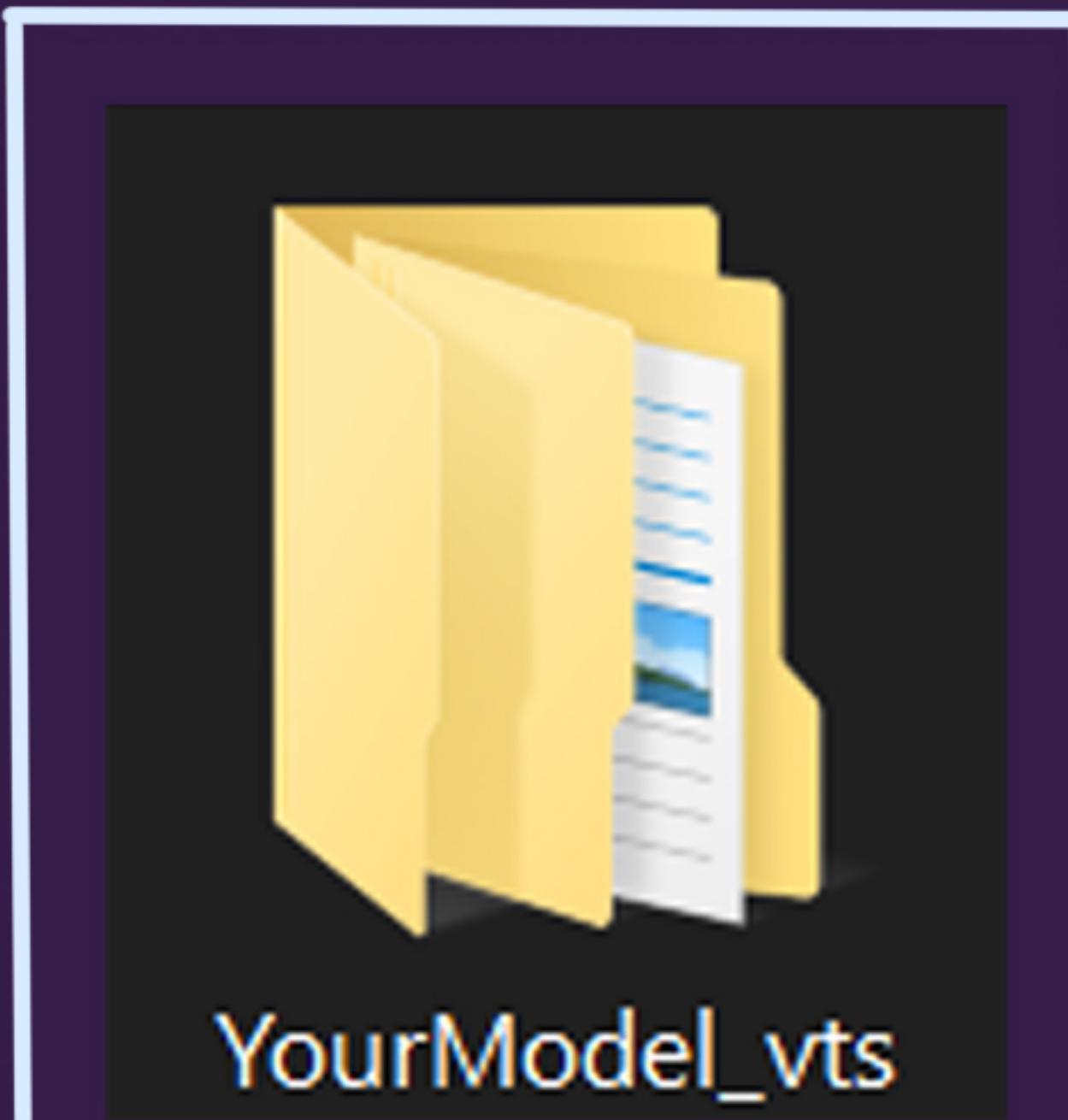


**HOW DO I ADD MY
VTUBER FILE
INTO VTUBE STUDIO?**

› FIRST, IDENTIFY YOUR MODEL FOLDER

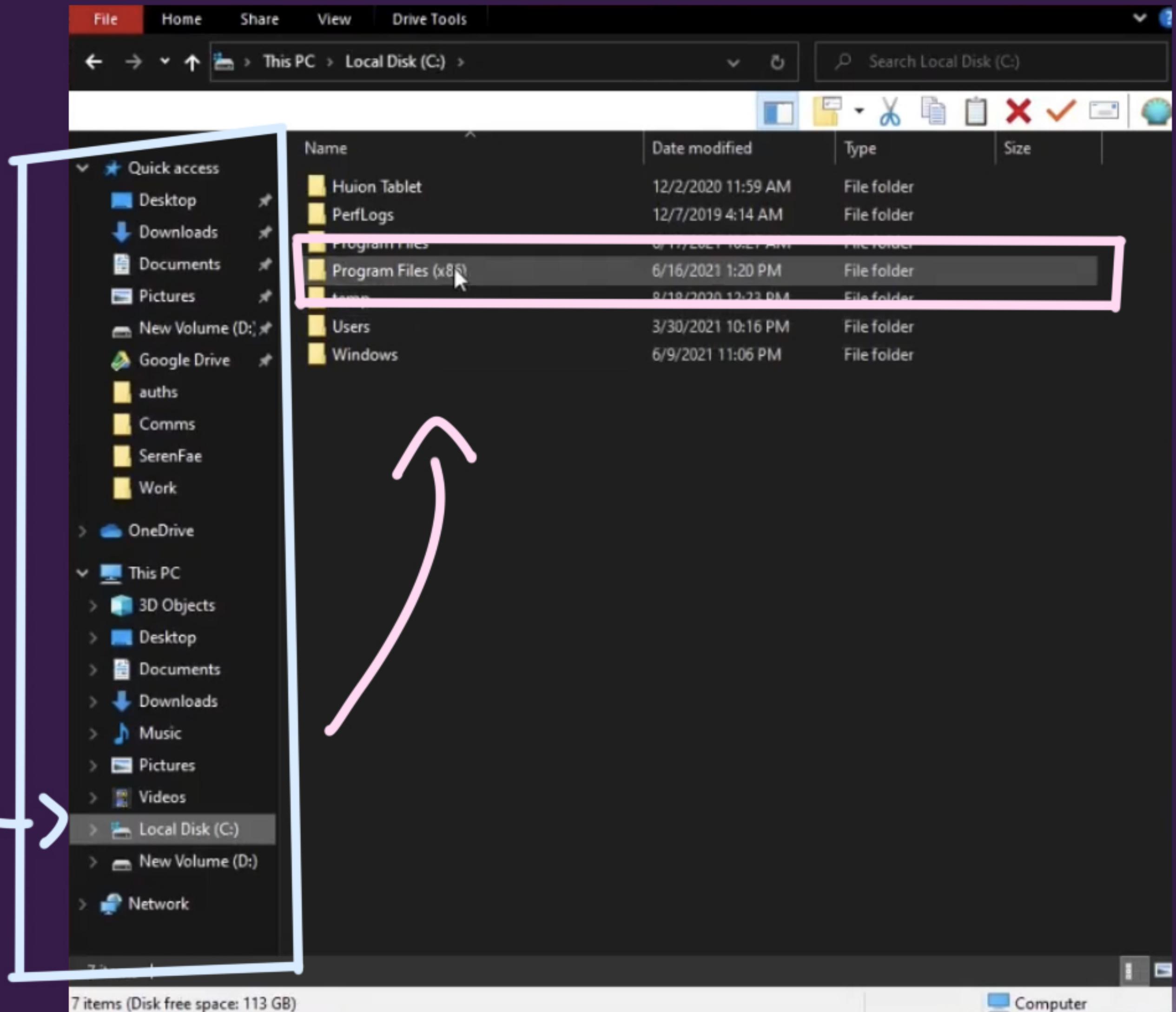
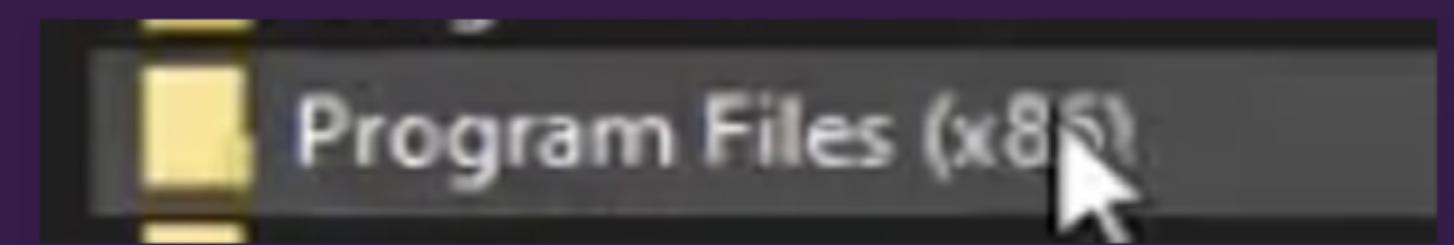
IF YOU'VE RECEIVED A MODEL BY ME,
THE FILE SHOULD BE NAMED WITH THE
NAME OF YOUR CHARACTER + _VTS AT
THE END.

EX: NICOLETTE_VTS



> OPEN THE FOLLOWING MENU
AND LOOK FOR:

> PROGRAM FILES (X86)



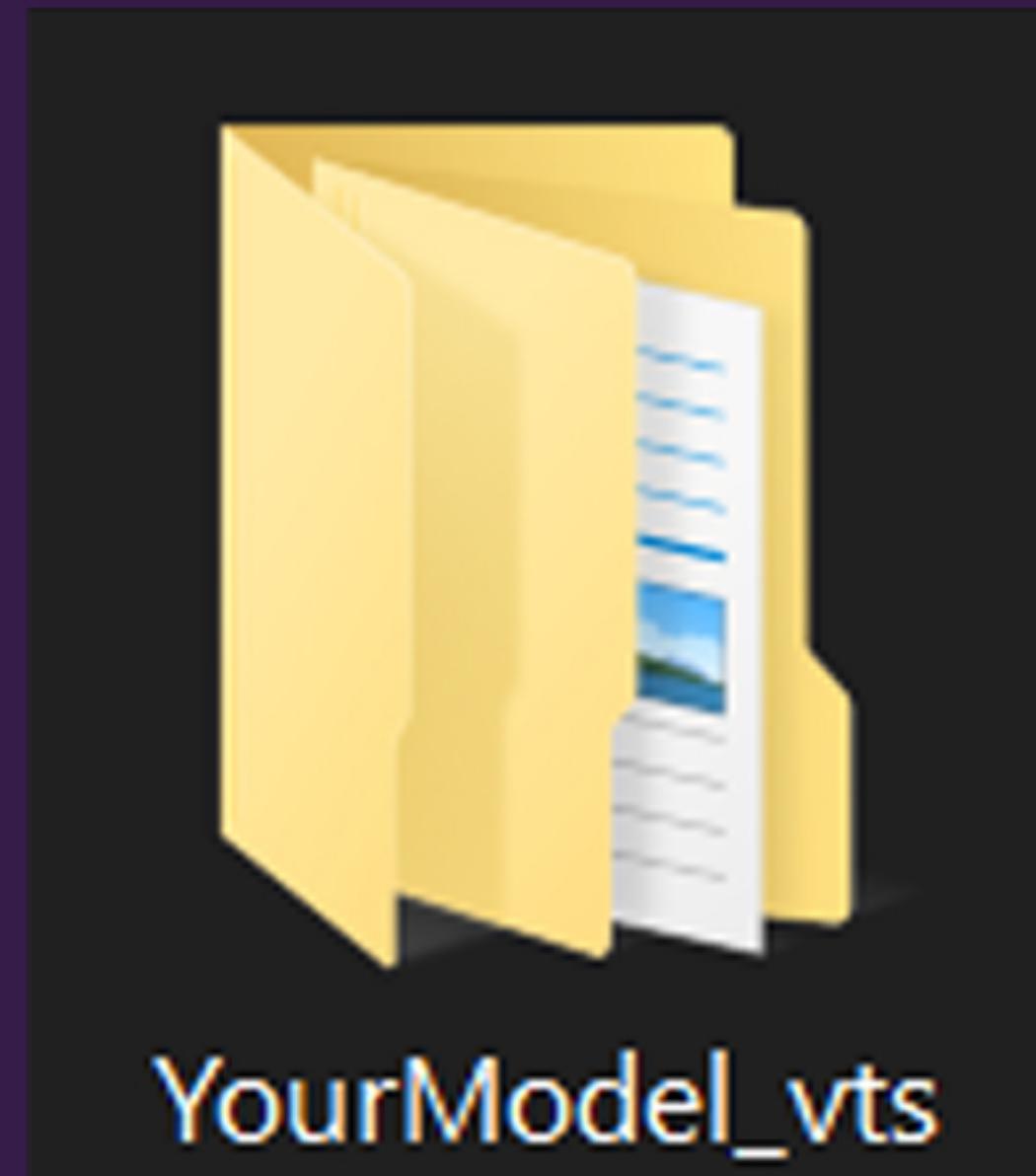
• NOW FOLLOW THIS ROUTE:

Reference Assemblies	5/31/2021 2:04 AM	File folder
SquareEnix	5/18/2021 9:42 AM	File folder
Steam	6/17/2021 1:56 PM	File folder
Windows_Refender	3/31/2021 2:11 AM	File folder
steam	5/15/2020 8:56 PM	File folder
steamapps	6/17/2021 1:45 PM	File folder
steamchima	2/12/2021 11:25 AM	File folder
Name	Date modified	Type
common	3/26/2021 9:38 AM	File folder
downloading	6/17/2021 2:32 AM	File folder
VTube Studio	6/2/2021 8:41 PM	File folder
monobuildingcode	3/20/2021 9:59 AM	File folder
VTube Studio_Data	6/2/2021 8:41 PM	File folder
installscript.vdf	6/2/2021 8:41 PM	VDF File
Resources	3/26/2021 9:39 AM	File folder
StreamingAssets	6/2/2021 8:41 PM	File folder
app.info	3/26/2021 9:38 AM	INFO File
Items	6/2/2021 8:41 PM	File folder
Live2DModels	6/9/2021 9:26 AM	File folder
Logs	6/17/2021 1:45 PM	File folder

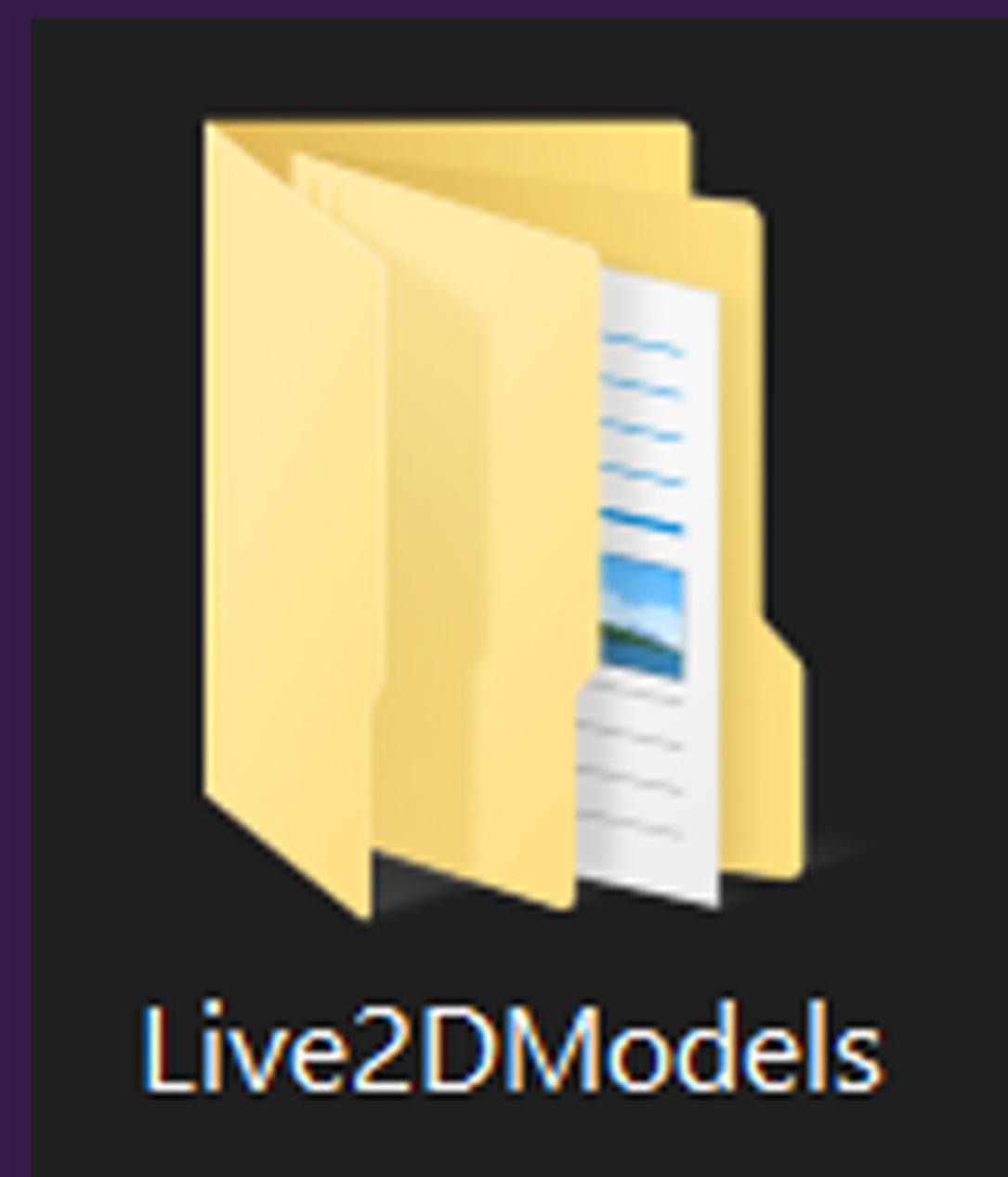
STEAM
▼
STEAM APPS
▼
COMMON
▼
VTUBE STUDIO
▼
VTUBE STUDIO DATA
▼
STREAMING ASSETS
▼
LIVE2D MODELS

**NOW YOU JUST HAVE TO COPY YOUR "MODEL FOLDER"
AND PASTE IT INSIDE THE "LIVE2D MODELS" FOLDER**

COPY



PASTE INSIDE



NOW WE CAN START USING VTUBE STUDIO!

GO AHEAD AND OPEN UP YOUR APP!



> WITH THIS ICON YOU CAN LOAD YOUR MODELS



> LOCK YOUR MODEL



> SETTINGS ICON



‘FIRST THING YOU’LL SEE IS THIS MENU’

IMPORTANT!

**DUE TO VTUBE STUDIO'S MASK NUMBER DEFAULT
CONFIGURATION, YOU MIGHT HAVE TO INCREASE
THE ALLOWED MASK NUMBER TO AVOID BUGS
WITH YOUR MODEL!**



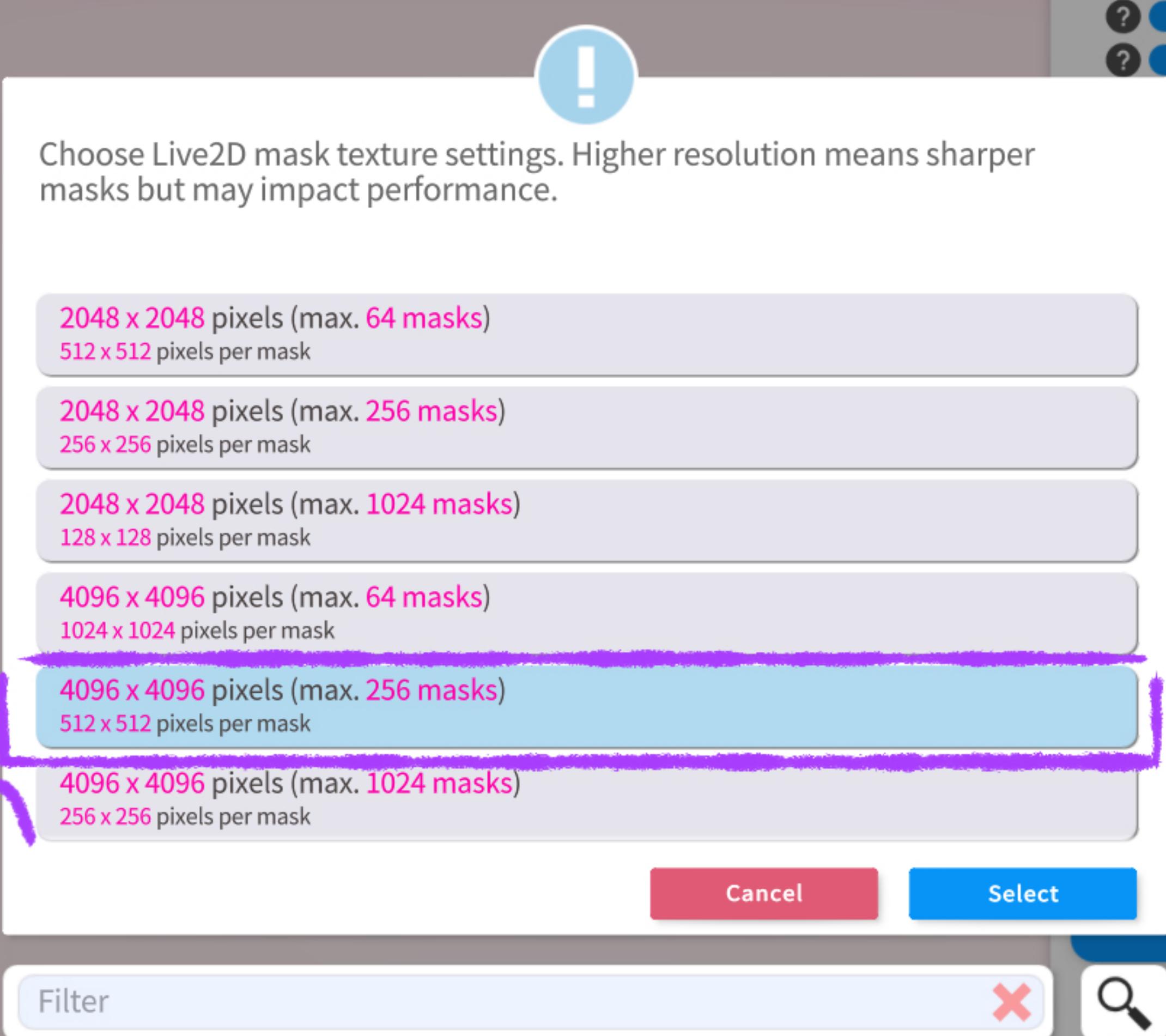
**TO DO SO, PLEASE
SELECT THE SETTINGS ICON.**





Model Lock

**THERE'S A
NUMBER OF
DIFFERENT OPTIONS
BUT 256 SHOULD BE
MORE THAN ENOUGH**



Overwrite Head-Tracking
Overwrite Eye-Tracking
Visualize Gaze

Calibrate

us:
Tracker off.

ty and Effects

ation FPS

60 FPS

60 FPS

/Sync

/Sync (1/2 refresh rate)

X 720

Set resolution

D Mask Config

Smoothed Live2D Masks

Configure

4096 x 4096 pixels (max. 64 masks)
256 x 1024 pixels per mask

Display Lighting

Display

Off

1

2

3

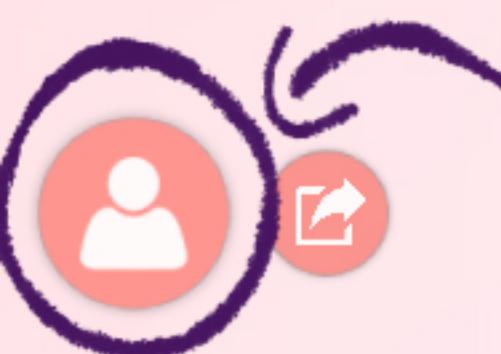
4

5

?

**YOU CAN ALWAYS CHANGE THIS SETTINGS AFTER
IF YOU WANT**

SETTING YOUR MODEL

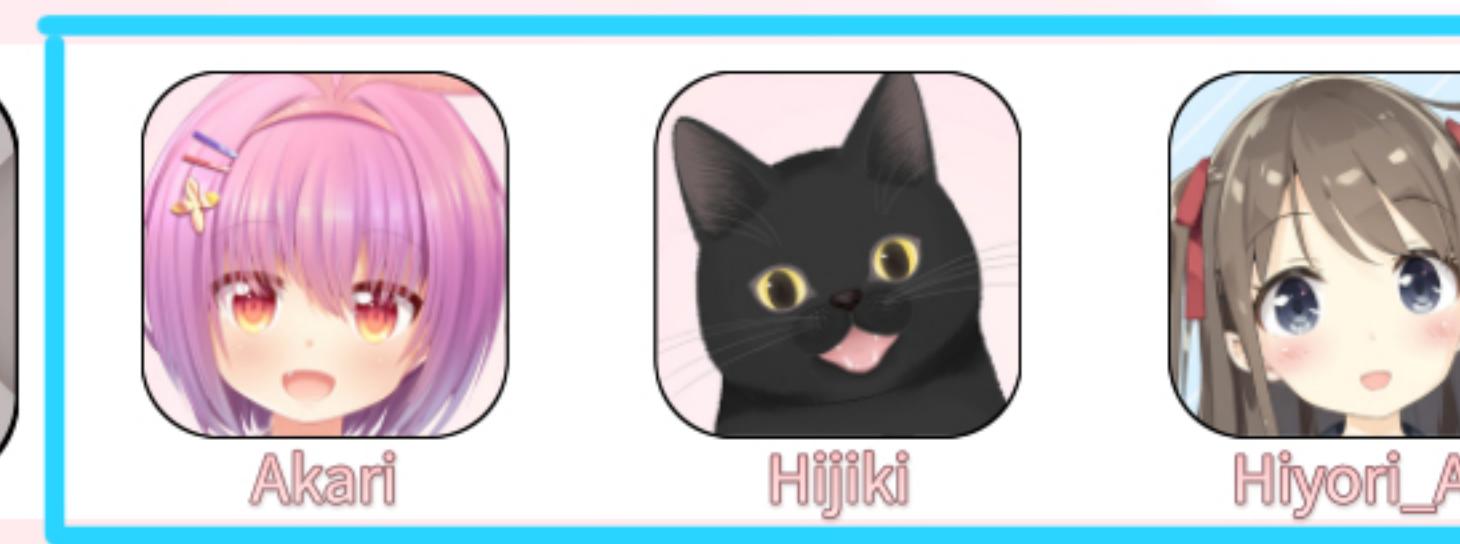


1. CLICK ON THIS ICON



EXAMPLE MODELS

YOUR MODEL SHOULD APPEAR
DOWN HERE!



SELECT "AUTO SETUP" OPTION



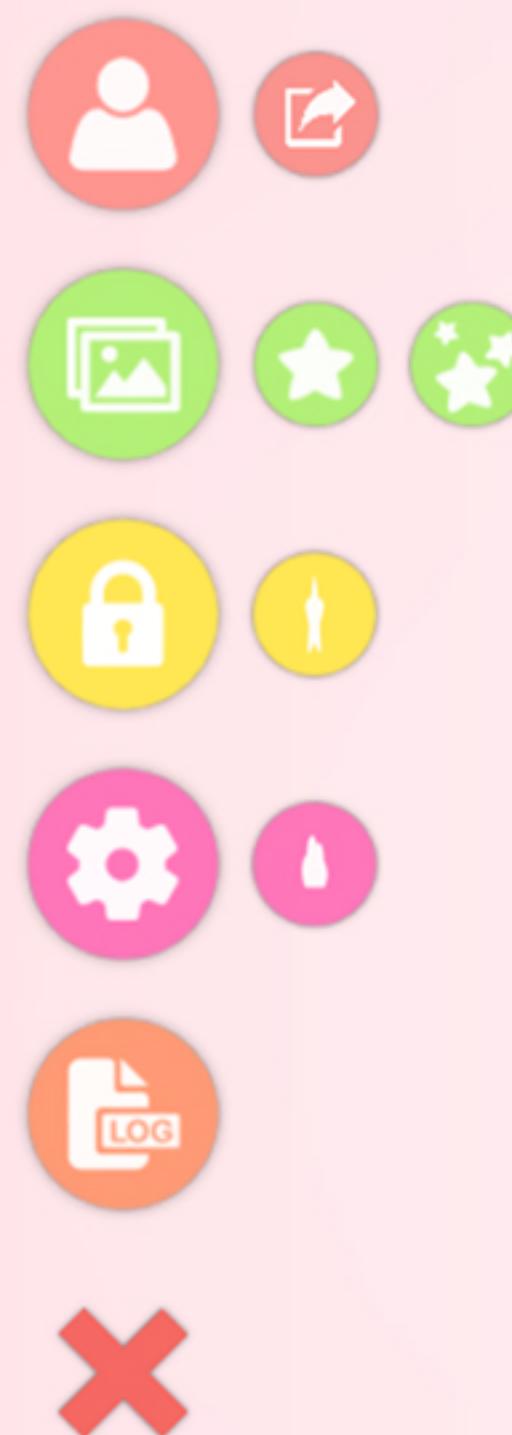
Do you want to run **Auto-Setup** for model "Jackie_Model"?

Auto Setup

Copy setup from other model

Cancel





YOUR MODEL SHOULD
BE LOADED NOW!

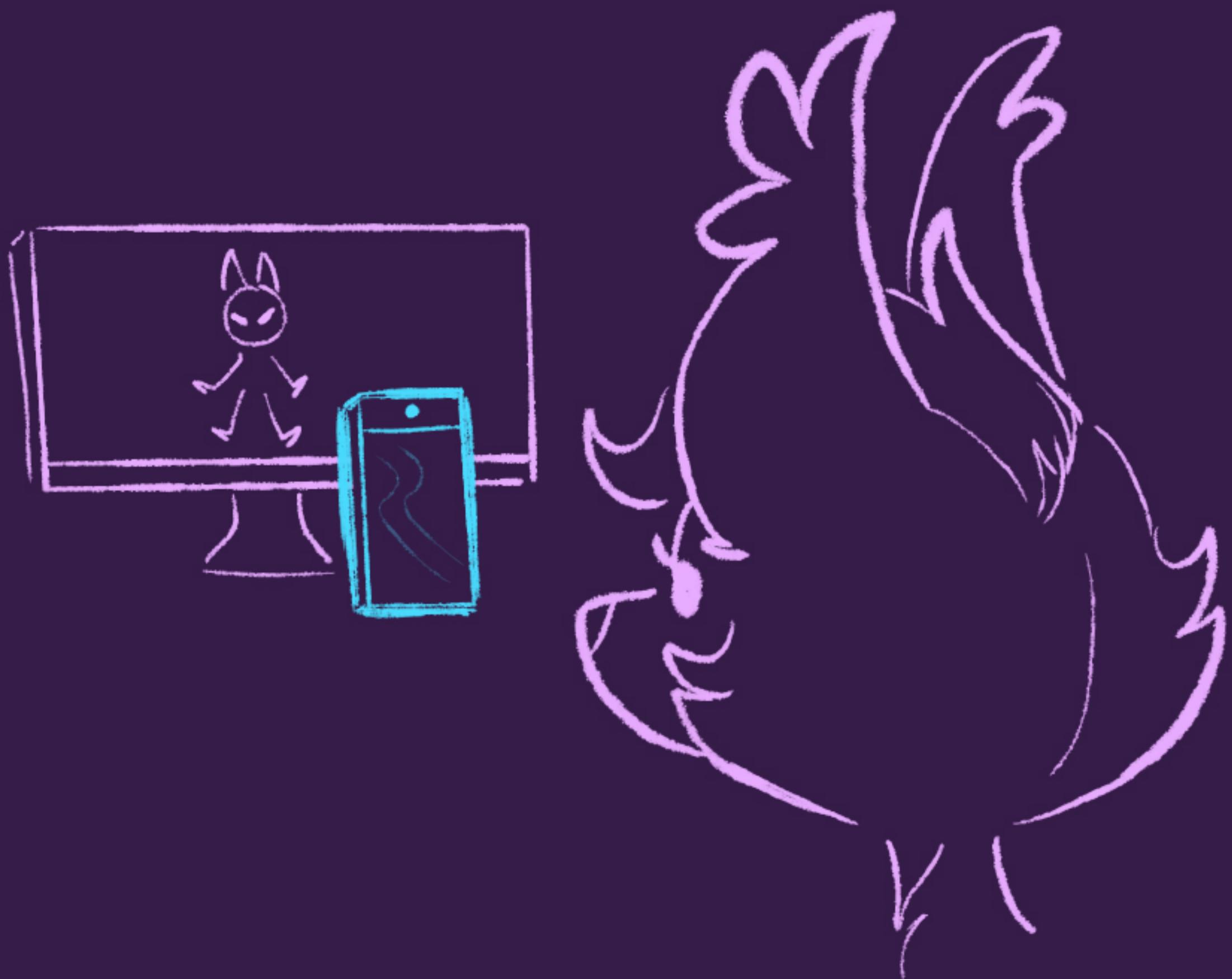
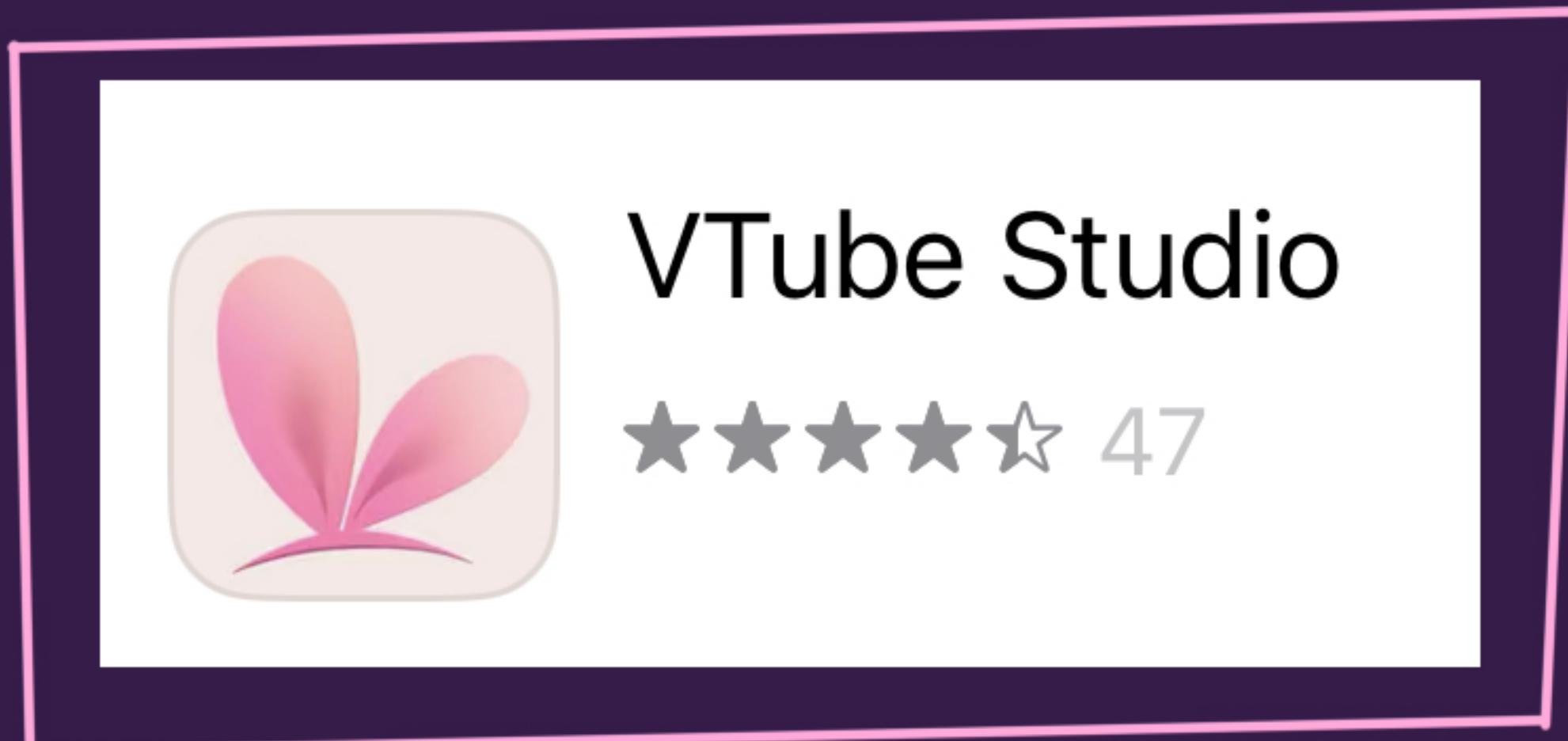


SETTING THE CAMERA
YOU CAN USE PHONE
OR WEBCAM

**BEST TRACKING CAN BE DONE WITH
IOS (IPHONE)!**

FOR PHONE:

FIRST, DOWNLOAD THE VTUBE STUDIO APP IN YOUR
PHONE



GO BACK TO YOUR PC:

SELECT THE SETTINGS
ICON





Model Lock

THIS MENU SHOULD OPEN UP!

HERE YOU CAN CONNECT YOUR PHONE FOR FACE TRACKING.



Remember scene

Show controls

[Set GPU priority](#)

[Reset Config](#)

[Toggle Fullscreen](#)

[Quit App](#)

[Open data folder](#)

Import own models, BGs, items, ...

[Start VTube Studio](#)

This will start a new VTube Studio Instance

Connection Settings (WiFi)

Start Server

Port

25565

PC/Mac IP (v4/v6):

[Show IP list](#)

Status:



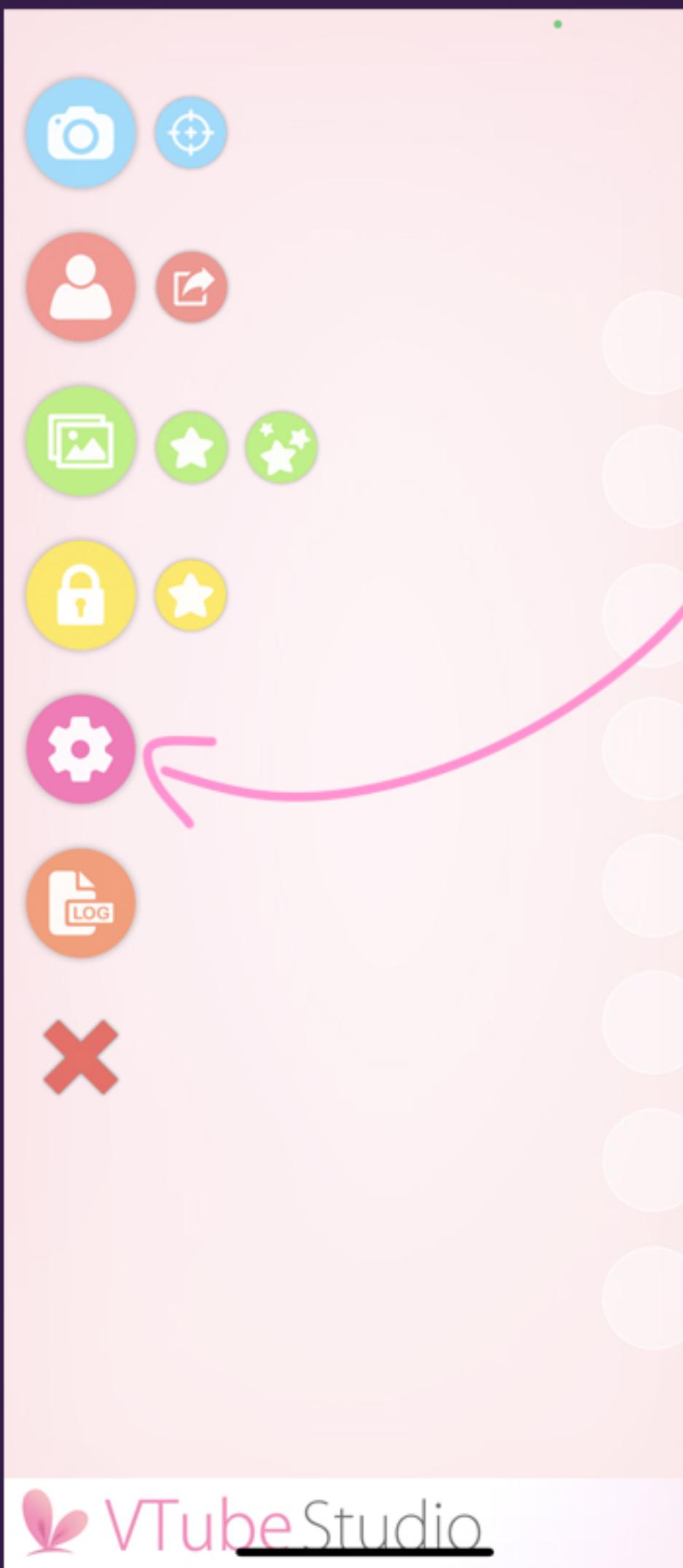
Lag:-

Server online. Waiting for connection from smartphone...

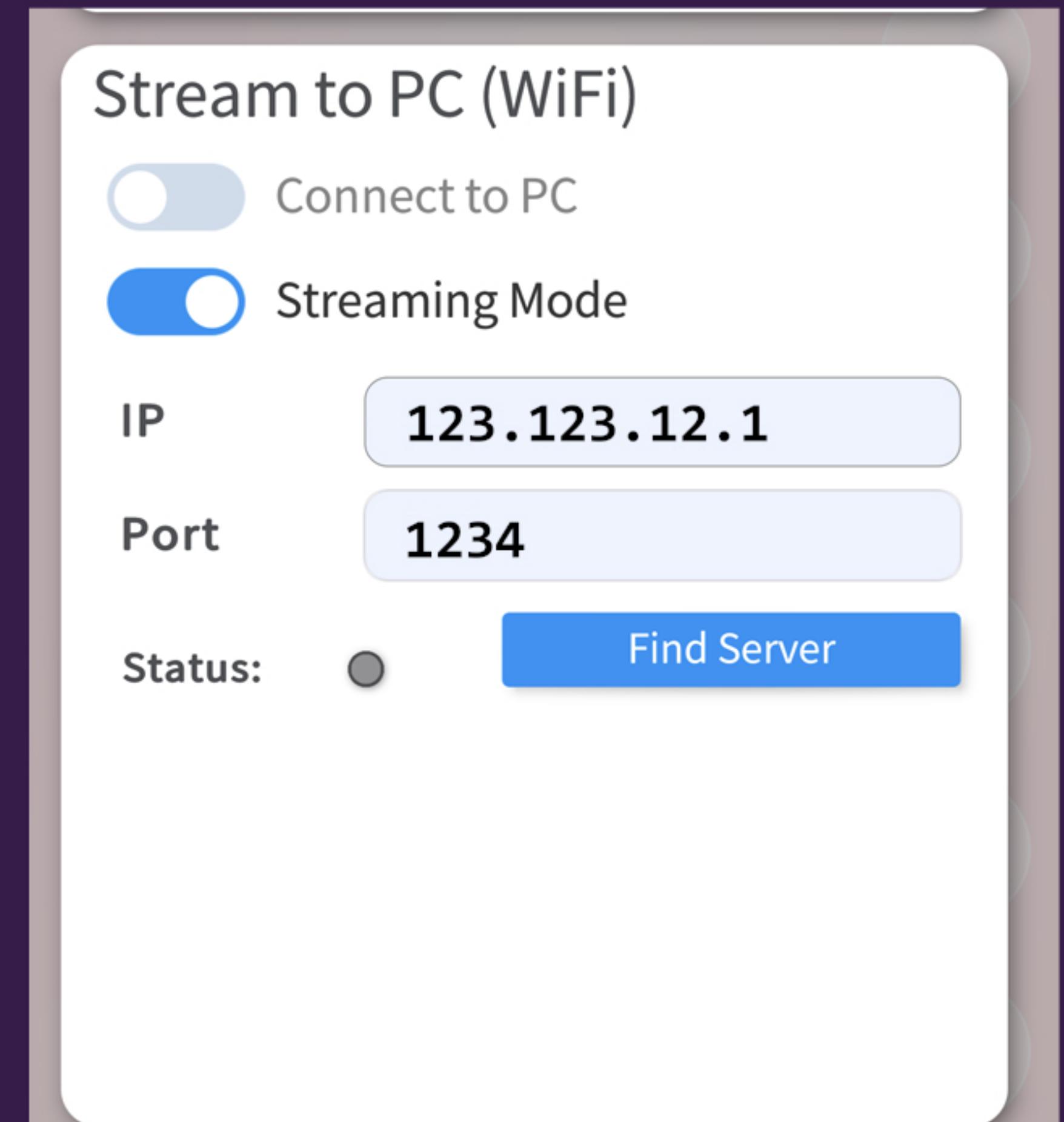


BACK TO YOUR PHONE APP:

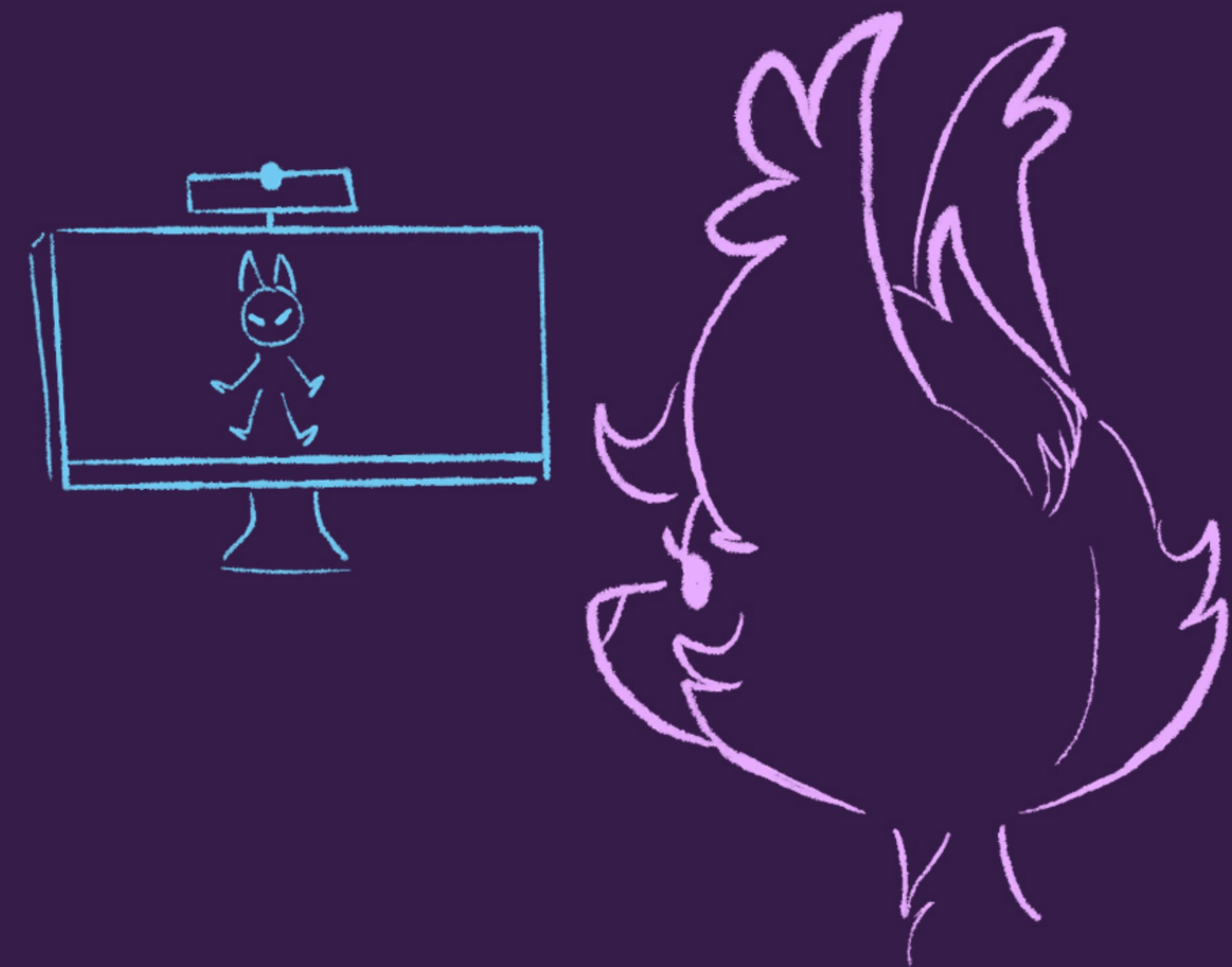
GO TO
SETTINGS



MAKE SURE THE NUMBERS FROM
THE IP AND PORT ARE THE SAME
BOTH ON YOUR PHONE AND PC.
NOW JUST CLICK ON THE
"CONNECT TO PC" OPTION.



FOR
WEBCAM





LET'S MOVE ON TO THE NEXT ICON

 Model Lock

HERE YOU CAN SETUP YOUR WEBCAM



Webcam Tracking

Choose CameraWeb Camera
- 1920 x 1080 (30 FPS)
- MJPEG**Tracking Quality**

Level 5

Tracking Type

Only face tracking

Webcam FPS Limit

0 FPS

30

100 FPS

 Autostart cam with VTS**Camera ON****Camera OFF****Status:** Tracking deactivated**Webcam DLC:** Not purchased, will show watermark

Tracking Settings

Model when tracking lost

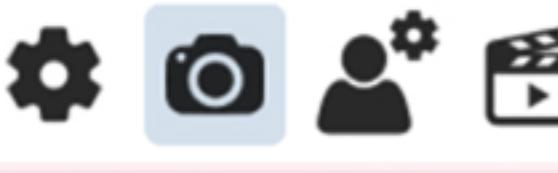
- Stay at pose
- Go back to default

Webcam Parameter Calc. Mode

- Automatic (A)

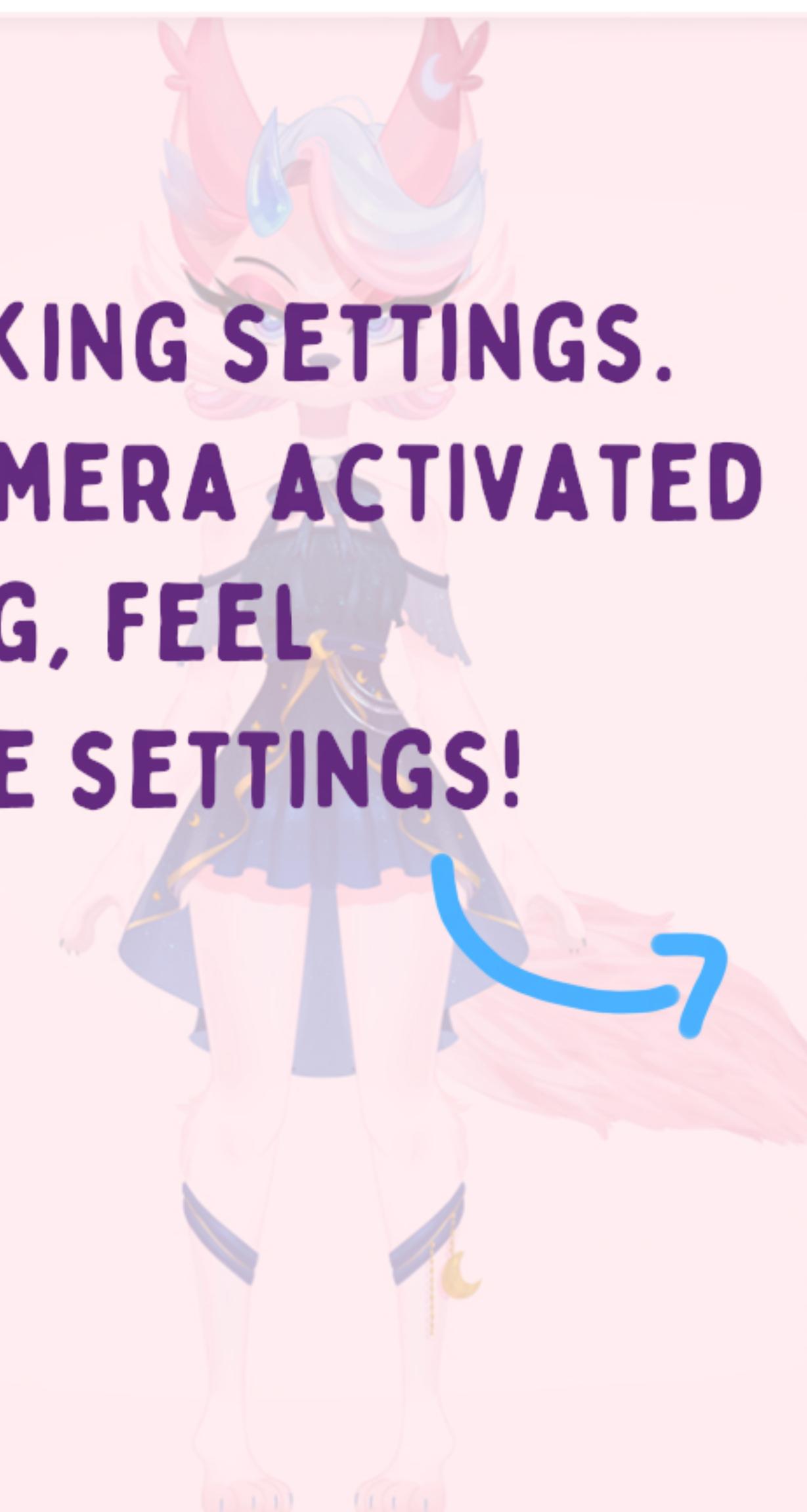


I'VE GOT MY CAMERA WORKING
WHAT'S NEXT?



Model Lock

**THE REST ARE JUST TRACKING SETTINGS.
ONCE YOU HAVE YOUR CAMERA ACTIVATED
AND THE MODEL IS MOVING, FEEL
FREE TO PLAY WITH THESE SETTINGS!**



Tracking Settings

Model when tracking lost

- Stay at pose
- Go back to default

Webcam Parameter Calc. Mode

- Automatic (A)
- Manual (B)

Link Eye Blinking

- Never
- Always
- When face is rotated

Blink Sensitivity

Min Max

Reset

82

Max

Eye Open Sensitivity

Min Max

67

Max

Mouth Open Sensitivity

Min Max

100

Mouth Smile Sensitivity

Min Max

100

Brow Sensitivity

Min Max

100

TODII

Activate Tobii Eye Tracker

?

?





Model Lock

NOW LET'S MOVE ON
TO THE NEXT ICON.



Filter

nicolettemodel

Live2D Model:
nicolettemodel.model3.json

VTube Studio Model:
nicolettemodel.vtube.json

Idle Animation

→ Crying.motion3.json

Idle Animation (tracking lost) ⚡

Disable Workshop sharing

Save active Expressions

AUTO SETUP



FIX WHITE OUTLINES



SEND MODEL TO PHONE →

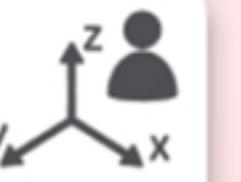


CUSTOMIZE MODEL



Movement Config

Activate

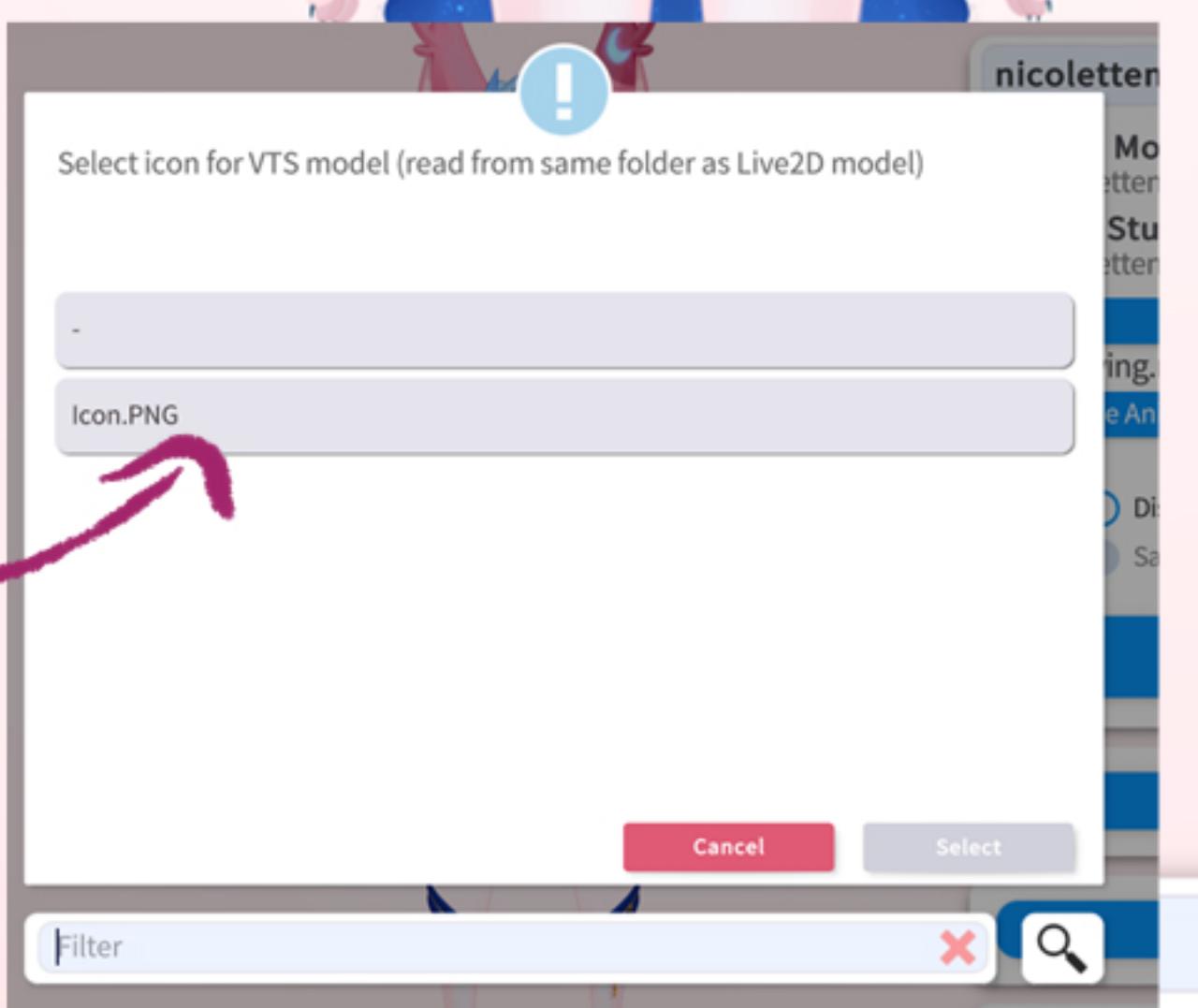




Model Lock

HERE YOU CAN CHANGE
YOUR MODEL'S ICON.
JUST CLICK ON THE "NO ICON"
SYMBOL.

THEN SELECT THE ICON
YOU WISH TO USE.



nicolettemodel

Live2D Model:
nicolettemodel.model3.json

VTube Studio Model:
nicolettemodel.vtube.json

Idle Animation

→ Crying.motion3.json

Idle Animation (tracking lost) ⚡

Disable Workshop sharing

Save active Expressions

AUTO SETUP

FIX WHITE OUTLINES



SEND MODEL TO PHONE ➔



CUSTOMIZE MODEL



Movement Config

Activate



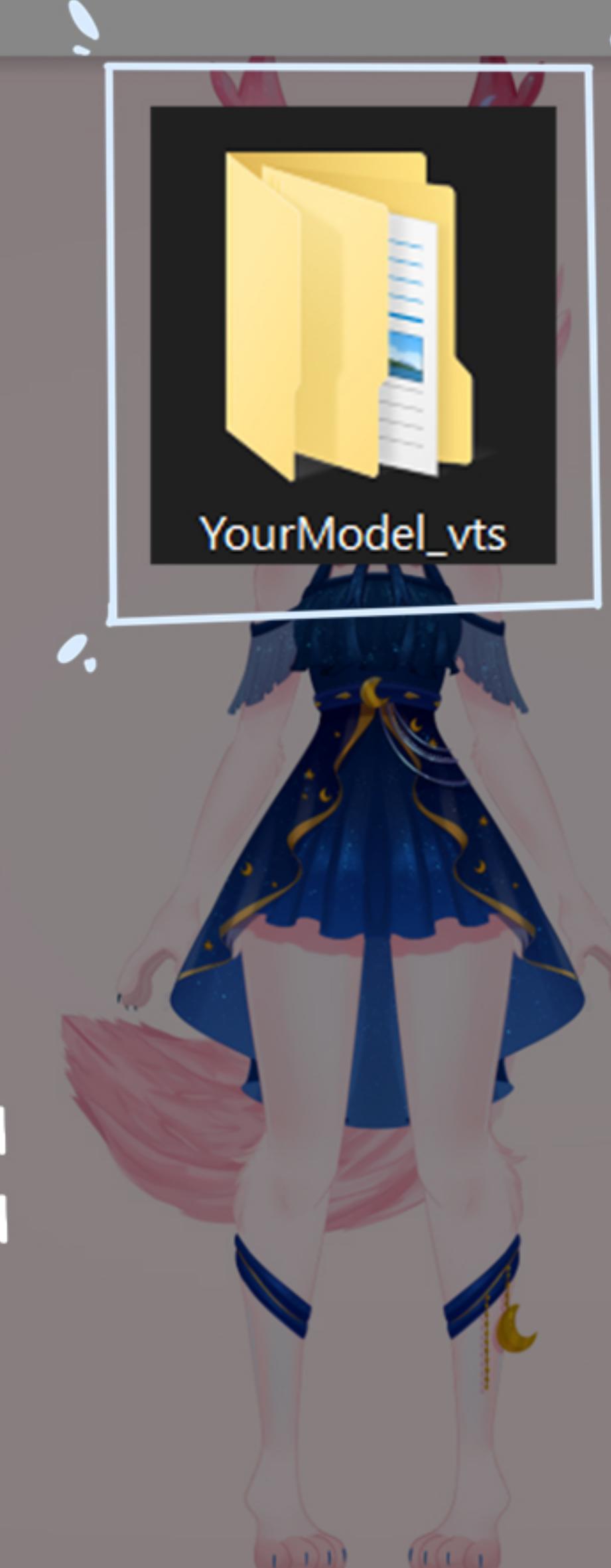


Model Lock

**IF YOU'VE RECEIVED A MODEL BY ME,
I'VE MADE AN ICON FOR YOU TO USE!
SO YOU CAN SELECT THAT ONE.**

**THE PNG FILE IS INSIDE YOUR MODEL
FOLDER.**

**IF YOU JUST WANT TO CREATE YOUR OWN
ICON, YOU JUST HAVE TO ADD YOUR OWN
PNG FILE INTO THE FOLDER.**



Filter

nicolettemodel

Live2D Model:
nicolettemodel.model3.json

VTube Studio Model:
nicolettemodel.vtube.json

Idle Animation

→ Crying.motion3.json

Idle Animation (tracking lost) ⚡

Disable Workshop sharing

Save active Expressions

AUTO SETUP

FIX WHITE OUTLINES

SEND MODEL TO PHONE →

CUSTOMIZE MODEL

Movement Config

Activate





IF WE GO DOWN WE'LL FIND MORE SETTINGS TO PLAY WITH



YOU CAN INCREASE THE MOVEMENT
OF YOUR PHYSICS WITH THIS ONE!

WIND STRENGTH IS A COOL FEATURE
THAT WILL MOVE SOME ELEMENTS
OF YOUR CHARACTER AS IF THE WIND WAS
MOVING THEM.



Filter

-20

11

Z

20

11 Z 20

Physics Settings

Use Physics

Legacy Physics

Live2D Physics Framerate

30 FPS

60 FPS

120 FPS

Match App FPS

Physics Strength

Min 50 Max
Default

Wind Strength

0 Max

Dragging Physics

0 Max

Mouth Smile



Input Limit Range

↳ MouthSmile

Output Limit Range

↳ ParamMouthForm

AT THIS POINT YOUR MODEL PROBABLY LOOKS TOO STIFF, TO FIX THAT HERE'S SOME USEFUL YOUTUBE TUTORIALS BY YOSHINO ART & SERATEA



【HOW TO: Live2d】Vtube Studio tutorial - Fix weird eyes and mouth - YoshinoArt
96K views • 2 years ago
YoshinoArt
When i deliver my models, i'm often asked by clients how to set them up in Vtube Studio, so i thought of making a tutorial on it!
Intro | Importing the files | Opening the model | XYZ Movement | Face Lean Rotation | Eyebrows |... 11 chapters



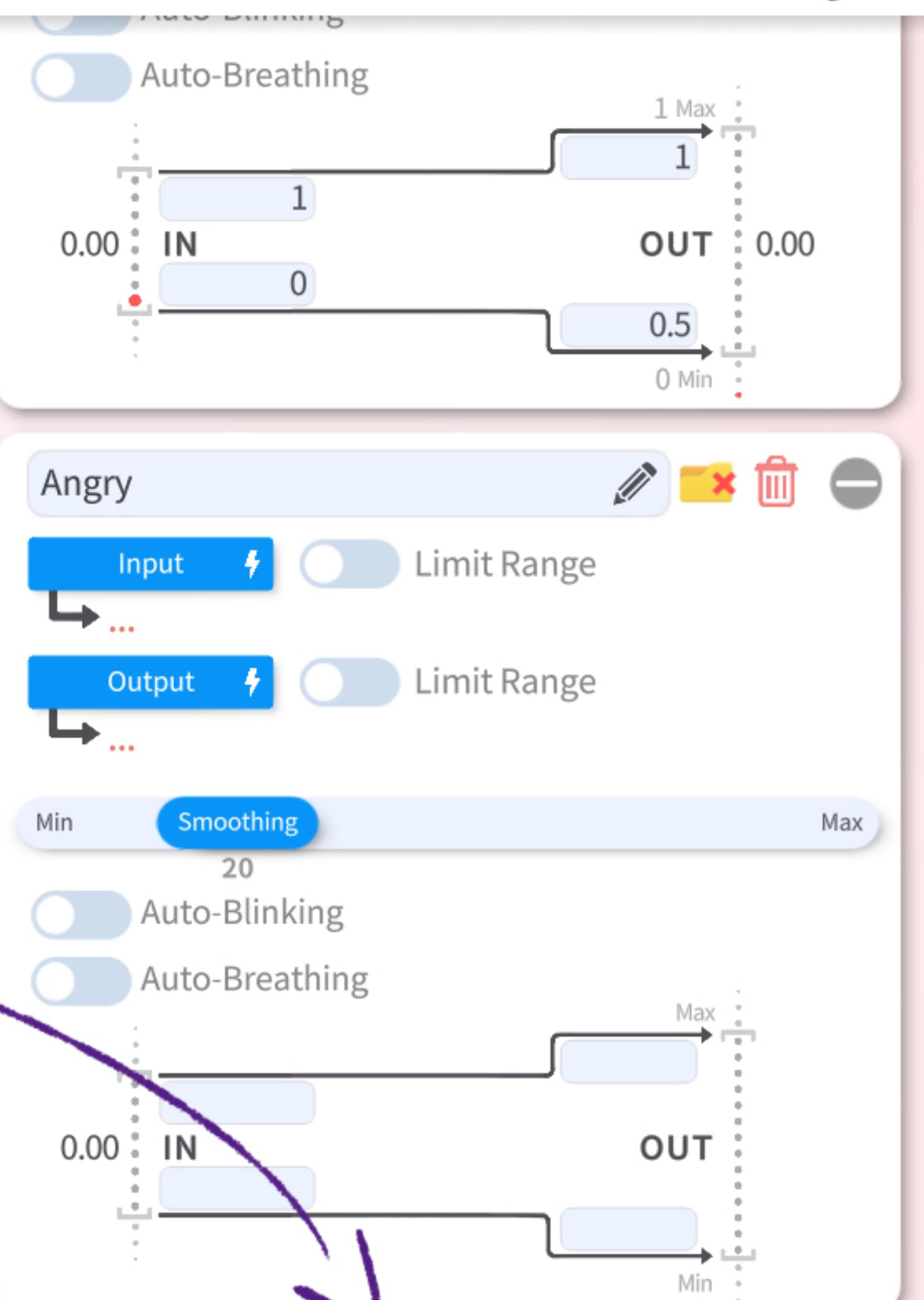
How To Fix Stiff Model Tracking In Vtube Studio!
16K views • 5 months ago
seratea
I made the OG tweet a little bit ago but I hope this helps better! If you have any que
Intro | Understanding Parameters | Vtube Studio Parameters | Outro

PLEASE CHECK THEM OUT
AS THEY ARE VERY HELPFUL FOR HAVING BETTER
EYE & MOUTH TRACKING!



IF YOU'VE RECEIVED A FULLBODY
MODEL BY ME, YOU CAN ADD AN EXTRA
PARAMETER CALLED "MOUTH X"

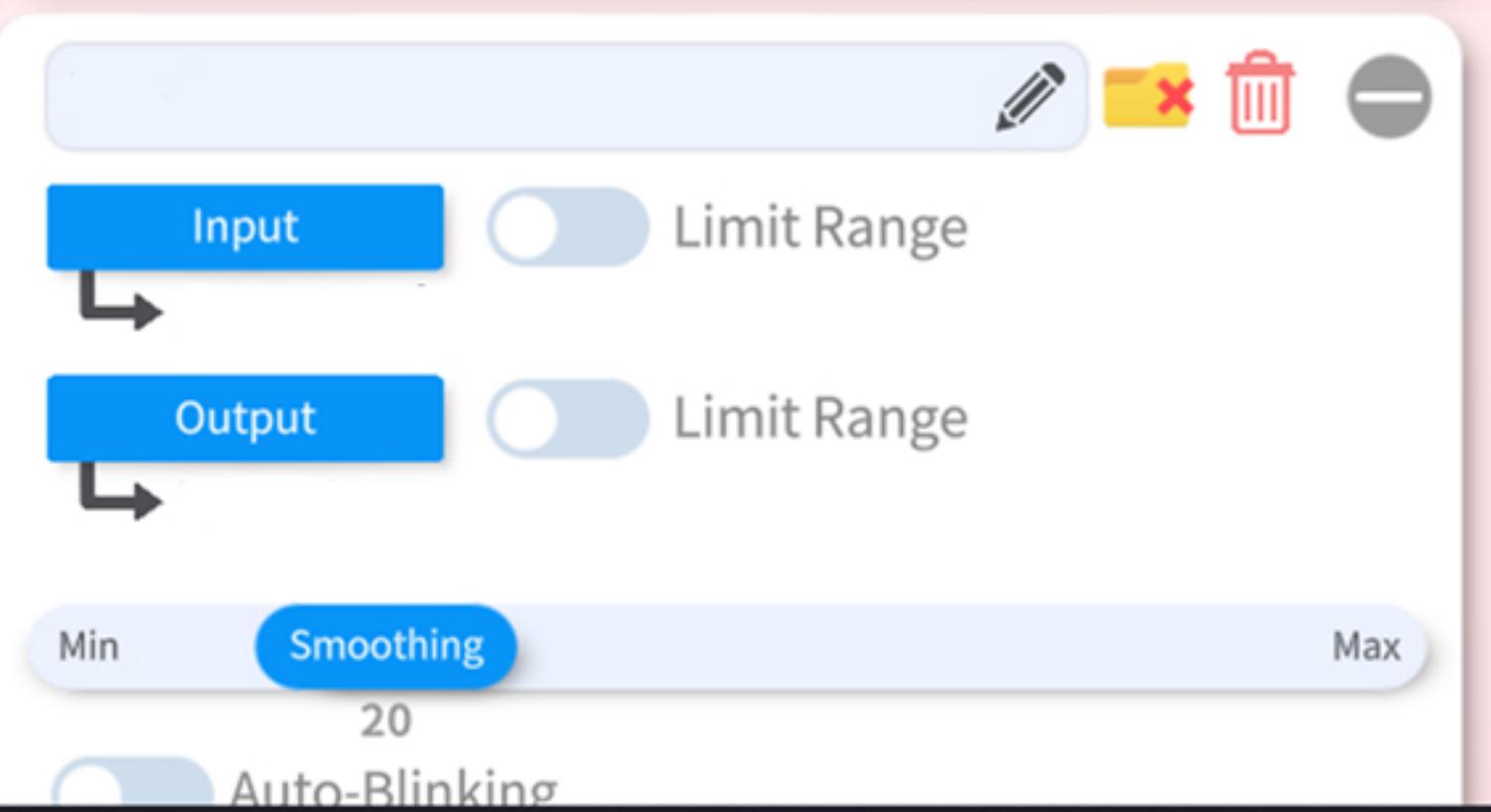
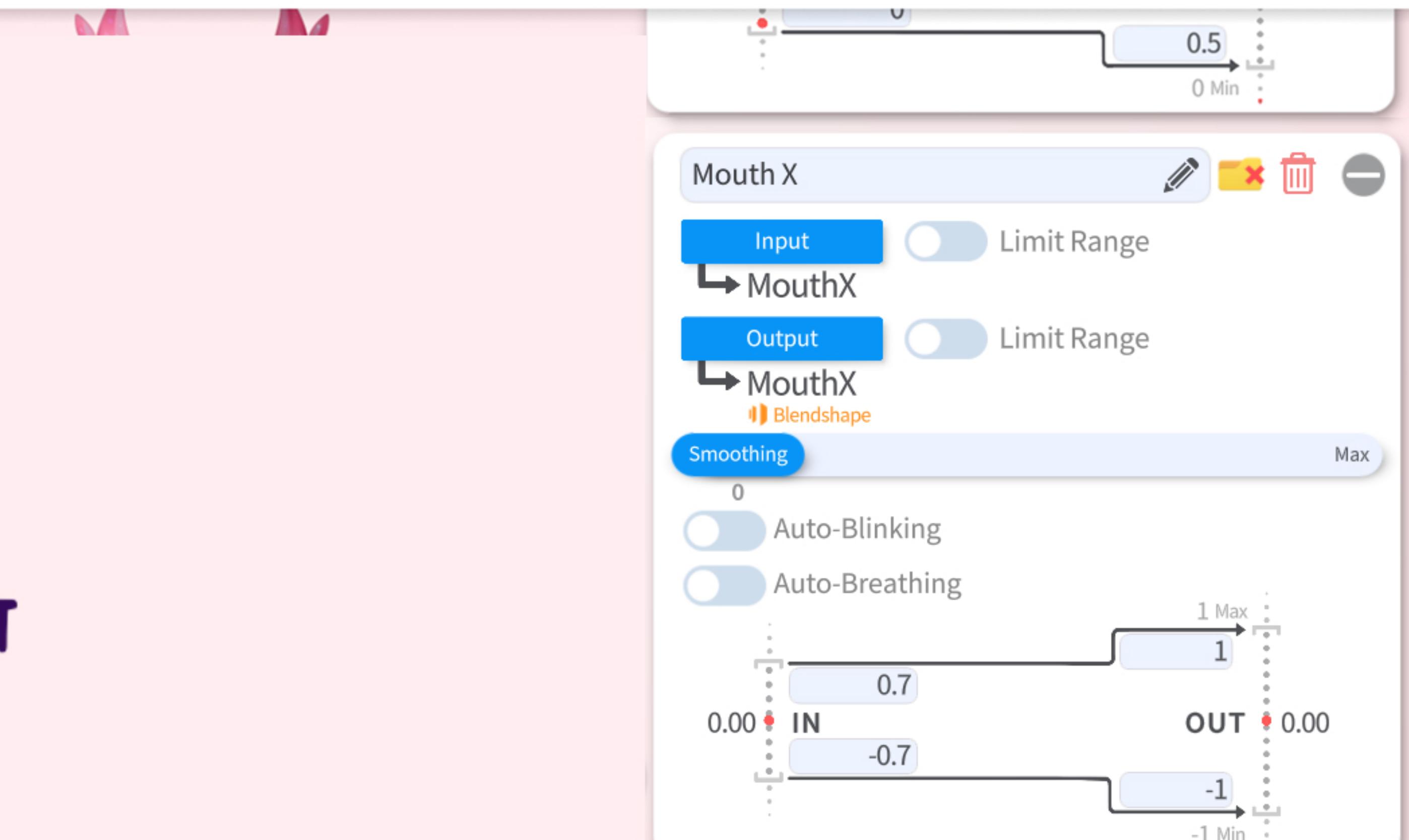
GO TO THE BOTTOM OF THIS MENU AND
SELECT THE PLUS ICON



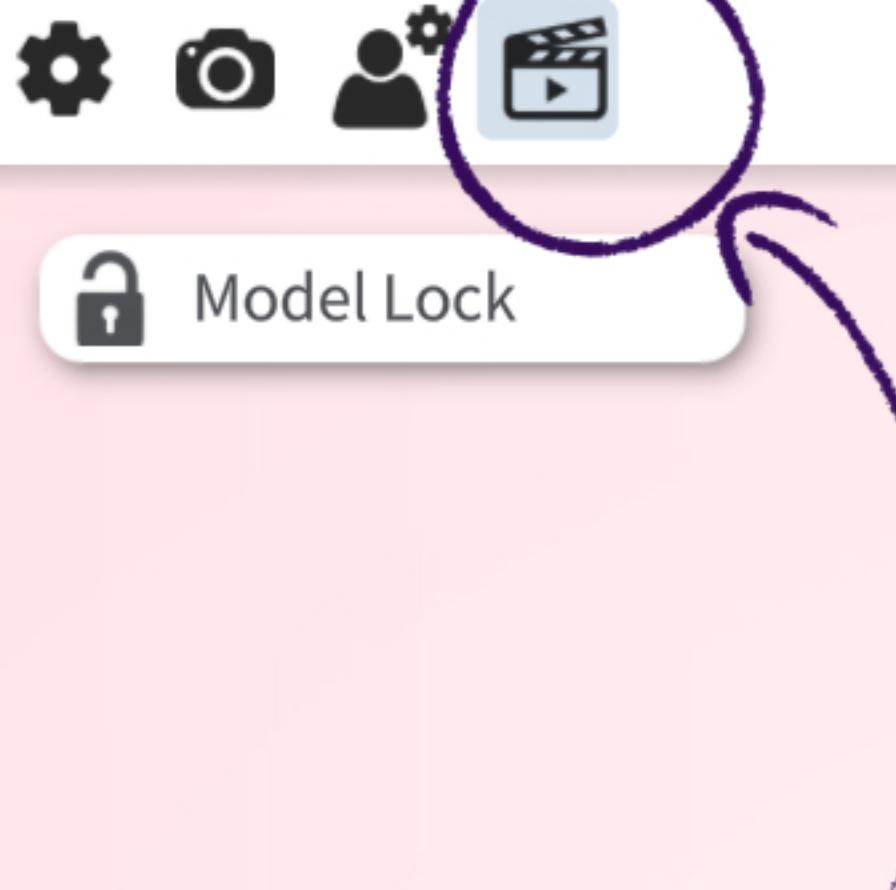


**NOW SELECT: "MOUTH X" AS
THE INPUT**

AND "MOUTH X" AS THE OUTPUT



SETTING UP “EXPRESSIONS”

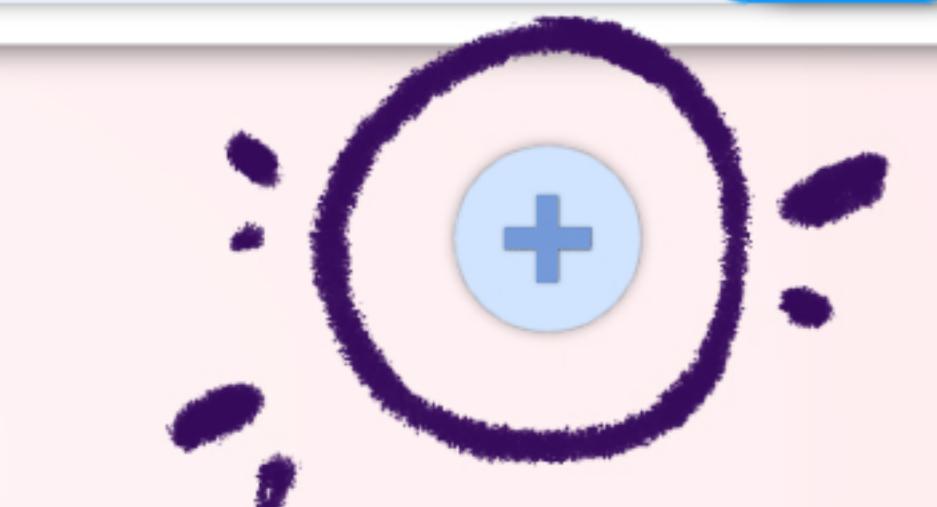
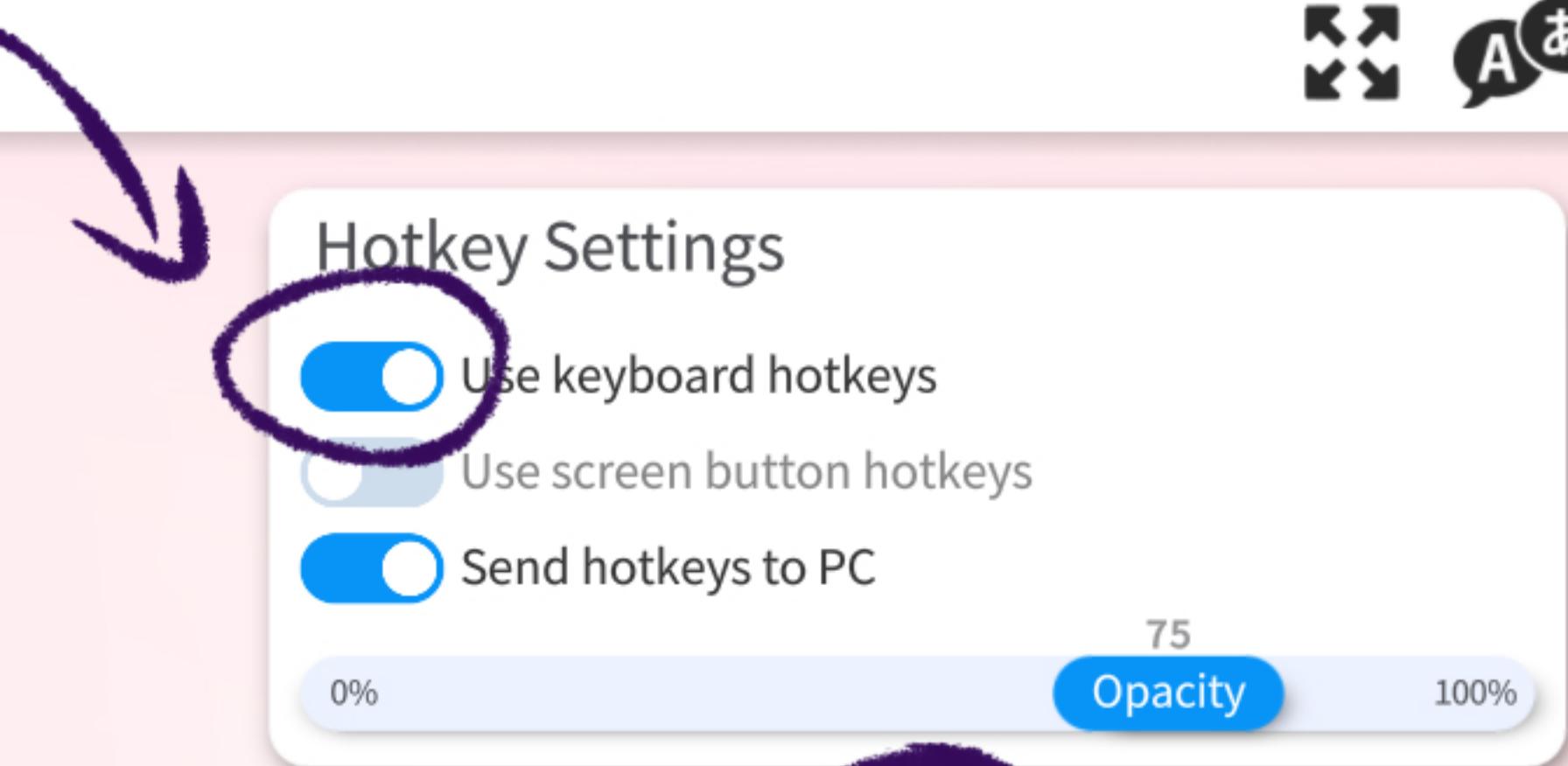


Model Lock

TURN THIS ON



LET'S MOVE ON TO
THE LAST ICON.



CLICK THE PLUS
SIGN

Filter





Model Lock

THIS MENU WILL APPEAR.

SELECT THE NAME YOU WANT TO GIVE YOUR EXPRESSION.



Filter



ON Happy

Hotkey Action

Hotkey Action

Animation

Key Combination

Key 1

Key 2

Key 3

Gesture Trigger

Gesture



Model Lock



Please select the hotkey action.

Play Animation (motion3)

Change Idle Animation (motion3)

Set/Unset Expression (exp3)

Remove all Expressions

Move Model

Change Background

Cancel

Select

**NOW SELECT "HOTKEY ACTION"
AND ANOTHER MENU WILL OPEN UP.**

SELECT "SET/ UNSET EXPRESSION"

happy			
Action			
Combination			

Gesture Trigger
Gesture

Filter



Model Lock



Select expression (.exp3.json, read from same folder as Live2D model)

BrowEyes

ears Down

Game control happy

Happy

Happy2

Mouth Angry

Cancel

Select

NOW SELECT THE SECOND BUTTON,
AND CHOOSE THE EXPRESSION
YOU WANT.

happy

y Action

Hotkey Action

Set/Unset Expression (exp3)

Expression

Combination

Key 1

REC

Key 2

REC

Key 3

REC

Gesture Trigger
Gesture

Hotkey Settings

Fade for sec.

0.5

Stop after sec.

10



Model Lock

Use screen button hotkeys

Send hotkeys to PC

0%

75

Opacity

100%

**AND FINALLY JUST SELECT THE KEYBOARD KEY
YOU WANT TO TRIGGER THE EXPRESSION! EACH TIME YOU CLICK
THAT KEY THE EXPRESSION WILL BE SET UP.**

**NOTE: WHEN CHANGING EXPRESSIONS ALWAYS
REMEMBER TO TURN OFF THE ONE YOU ARE USING BEFORE
TURNING ON THE NEXT ONE.**

**IF YOU TURN ON ALL THE EXPRESSIONS AT THE SAME TIME THE
MODEL MIGHT BREAK!**

Expression Editor

Happy

Hotkey Action

Hotkey Action
↳ Set/Unset Expression (exp3)
Expression
↳ Happy.exp3.json

Key Combination

Key 1
↳
Key 2
↳

Gesture Trigger

Gesture
↳

Hotkey Settings

Fade for sec.

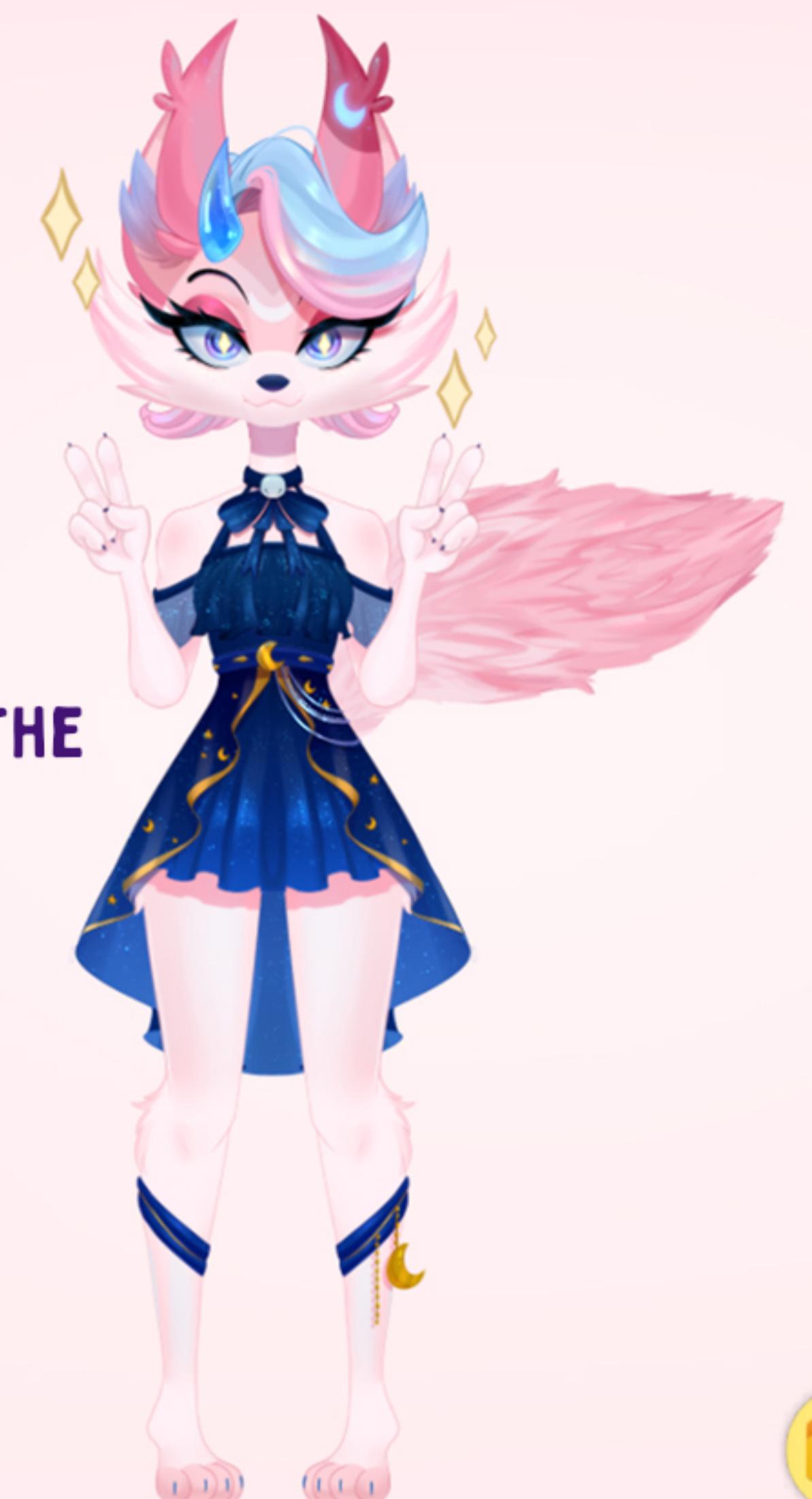
0.5



Model Lock



JUST REPEAT THE SAME PROCESS WITH THE REST OF THE EXPRESSIONS!



ON Happy



Hotkey Action

Hotkey Action
↳ Set/Unset Expression (exp3)

Expression
↳ Happy.exp3.json

Key Combination

Key 1
↳ N1

Key 2
↳

Key 3
↳

Gesture Trigger

Gesture
↳

Hotkey Settings

Fade for sec. 0.5
Stop after sec. 10



Filter





Model Lock

YOU CAN ALSO CHECK THE
REST OF THE "HOTKEY ACTIONS"
YOU CAN USE!

Please select the hotkey action.

Change Background

Reload Microphone

Reload Model Texture

Calibrate Camera

Change VTS Model

Take Screenshot

Cancel

Select

Filter



Gesture

Hotkey Settings

Fade for sec.

0.5

Stop after sec.

10

Stop when key is let go

SETTING UP ‘ANIMATED EXPRESSIONS’



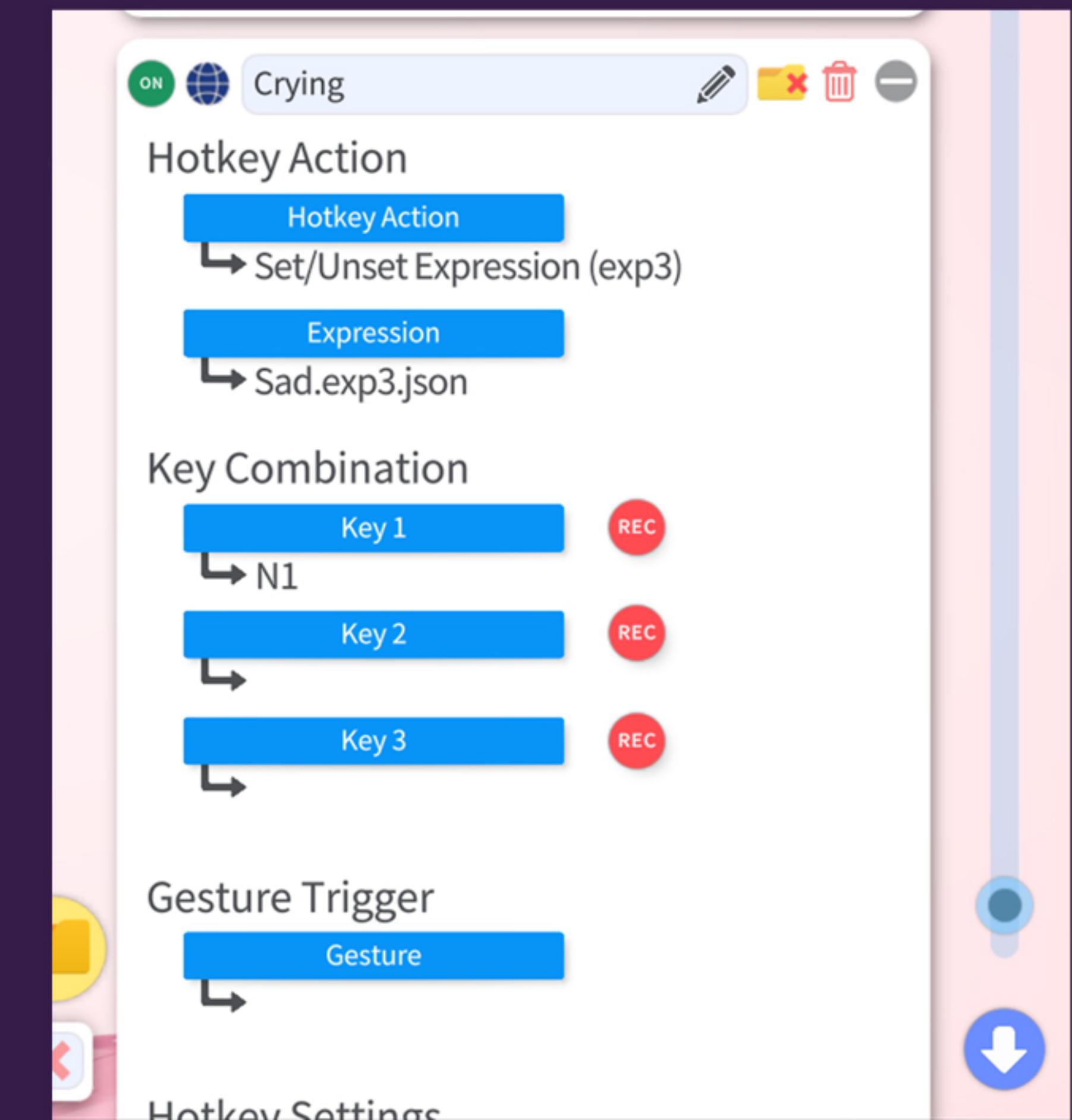
ANIMATED EXPRESSIONS HAVE 2 COMPONENTS:

1. NORMAL EXPRESSION

2. ANIMATED MOTION

I'LL BE USING MY "CRYING" EXPRESSION AS AN EXAMPLE

FIRST, I SET UP THE NORMAL "CRYING/SAD" EXPRESSION IN THE EXPRESSION MENU, LIKE THE ONES WE ADDED BEFORE.





A あ



Model Lock

1. GO BACK TO THIS ICON**CLICK ON "IDLE ANIMATION"**

nicolettemodel

Live2D Model:
nicolettemodel.model3.json**VTube Studio Model:**
nicolettemodel.vtube.json

Idle Animation

Idle Animation (tracking lost)

 Disable Workshop sharing Save active Expressions

AUTO SETUP



FIX WHITE OUTLINES



SEND MODEL TO PHONE



CUSTOMIZE MODEL



Movement Config



Activate



NOW SELECT YOUR ANIMATED MOTION IN MY CASE IT'S CALLED CRYING

the folder as Live2D

Crying

Cancel

Select

Filter



SEND MODEL TO PHONE



CUSTOMIZE MODEL



Filter



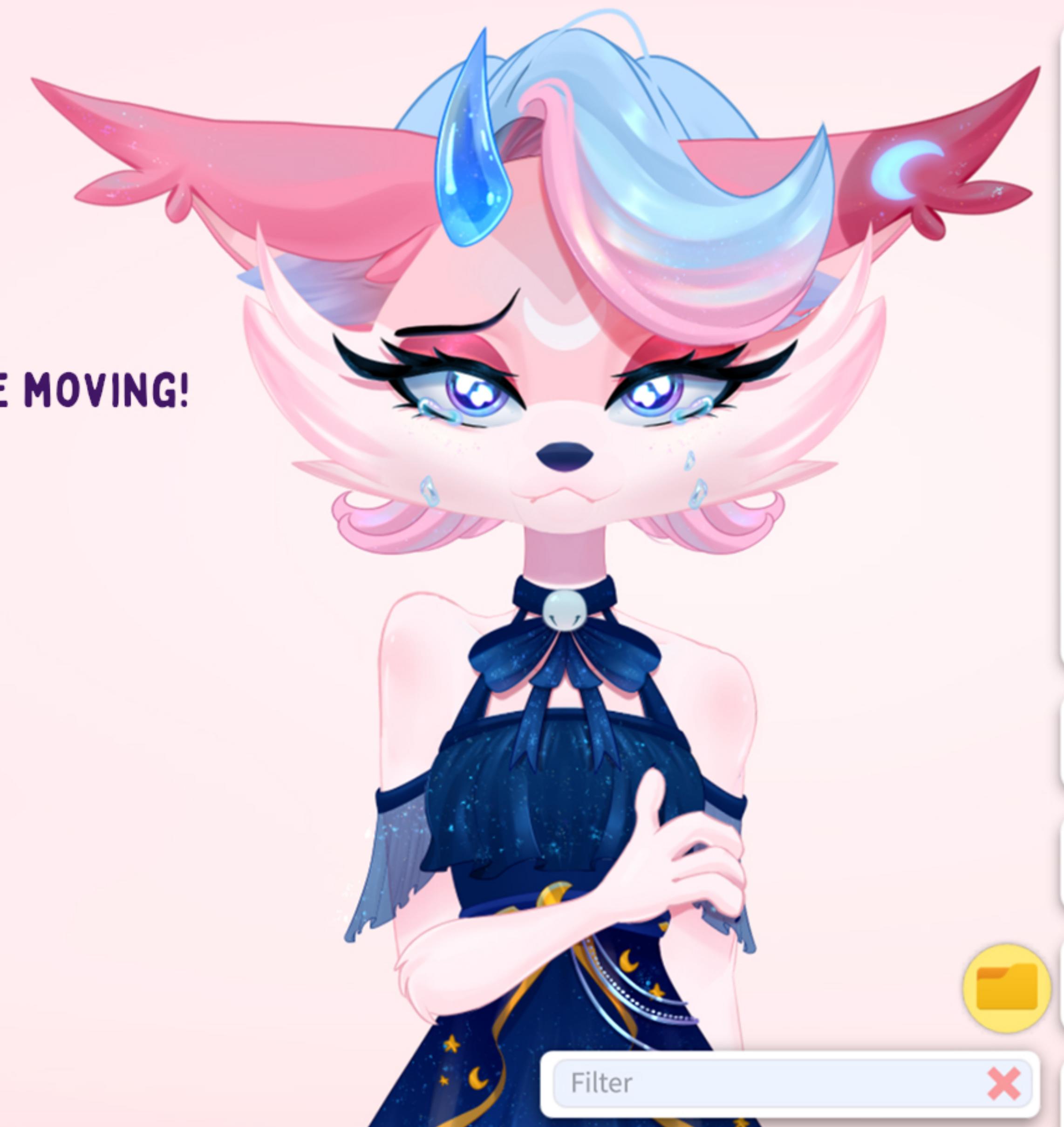
Movement Config





Model Lock

NOW THE TEARS ARE MOVING!
THAT'S IT!



Filter

Movement Config

nicolettemodel

Live2D Model:

nicolettemodel.model3.json

VTube Studio Model:

nicolettemodel.vtube.json

Idle Animation

↳ Crying.motion3.json

Idle Animation (tracking lost) ⚡

Disable Workshop sharing

Save active Expressions

AUTO SETUP



FIX WHITE OUTLINES



SEND MODEL TO PHONE ➔



CUSTOMIZE MODEL



VTube Studio
Screenshot saved

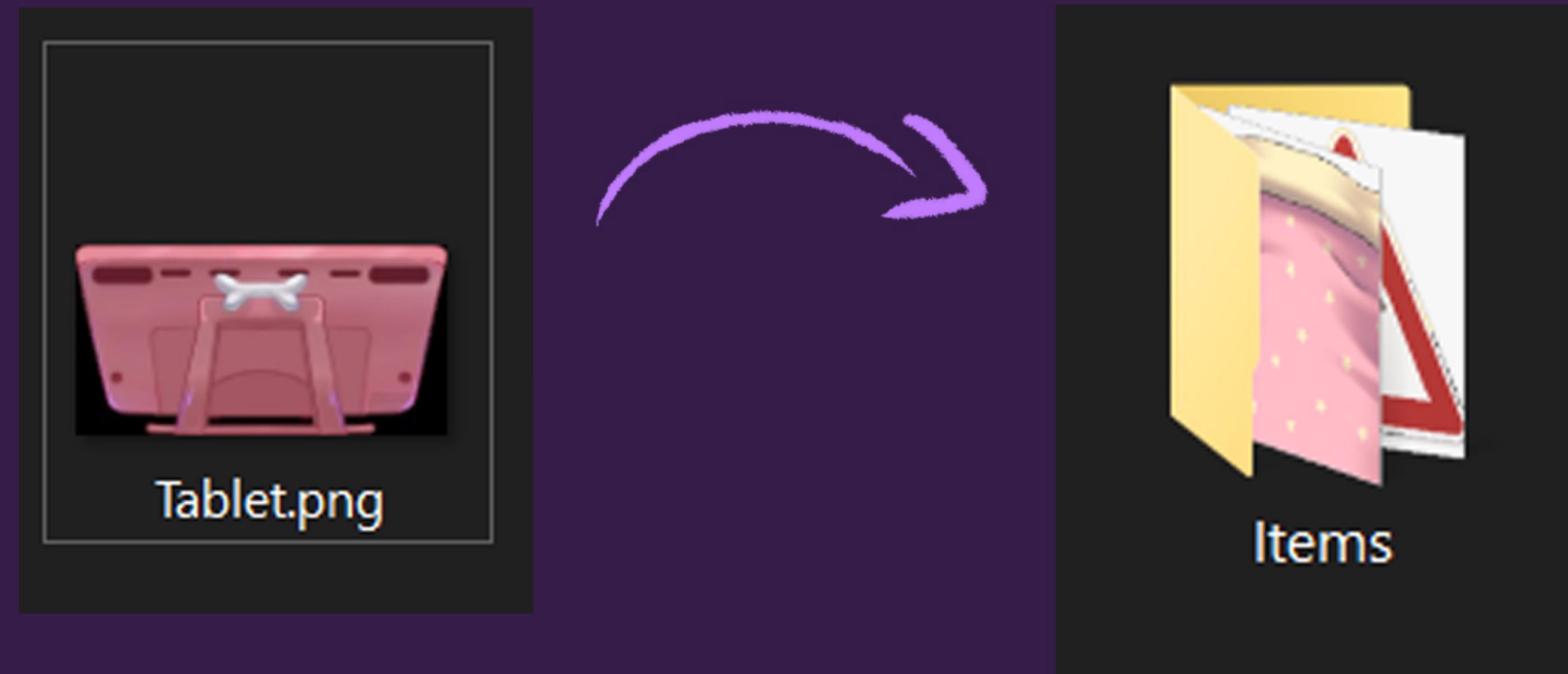
ITEMS

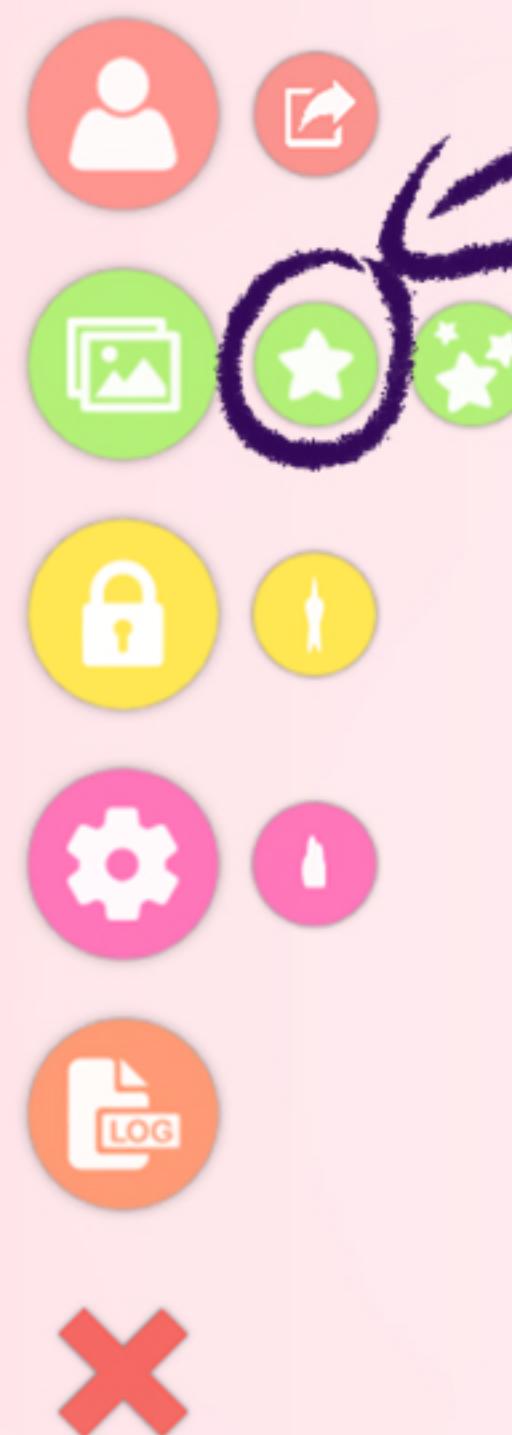
TO IMPORT YOUR ITEM TO VTUBE STUDIO, YOU JUST HAVE TO FOLLOW THE SAME ROUTE YOU DID WHEN YOU IMPORTED YOUR MODEL.

Reference Assemblies	3/31/2021 2:04 AM	File folder
SquareEnix	5/18/2021 9:42 AM	File folder
Steam	6/17/2021 1:56 PM	File folder
Windows Defender	3/31/2021 2:11 AM	File folder
DRIVERS	6/2/2021 2:11 PM	File folder
steam	5/15/2020 8:56 PM	File folder
steamapps	6/17/2021 1:45 PM	File folder
steamchma	2/12/2021 11:25 AM	File folder
Name	Date modified	Type
common	3/26/2021 9:38 AM	File folder
downloading	6/17/2021 2:32 AM	File folder
COMMONS	6/17/2021 2:32 AM	File folder
VTube Studio	6/2/2021 8:41 PM	File folder
MonoBleedingEdge	3/20/2021 9:39 AM	File folder
VTube Studio_Data	6/2/2021 8:41 PM	File folder
installscript.vdf	6/2/2021 8:41 PM	VDF File
Resources	3/26/2021 9:39 AM	File folder
StreamingAssets	6/2/2021 8:41 PM	File folder
app.info	3/26/2021 9:38 AM	INFO File

STEAM
✓
STEAM APPS
✓
COMMON
✓
VTUBE STUDIO
✓
VTUBE STUDIO DATA
✓
STREAMING ASSETS

**WHEN YOU GET TO "STREAMING ASSETS", LOOK FOR THE
"ITEMS" FOLDER.
YOU JUST HAVE TO DRAG YOUR ITEM PNG INTO THE FOLDER
AND THAT'S IT!**





IF YOU WANT TO USE
CUSTOM ITEMS MADE
BY YOUR RIGGER,
DOWNLOADED ITEMS,
OR EVEN ONE MADE BY YOU,
JUST CLICK ON THIS ICON.



**VTUBE STUDIO ALREADY
COMES WITH A COUPLE
OF ITEMS.**

**THIS MENU WILL POP
UP**

**SCROLL DOWN AND SELECT
THE ONE YOU WANT TO USE.**



Please select an item.

Remove all items from scene (0)



Load current model as Live2D Item



akari_fly (@walfieee)



ANIM_headpat



ANIM_xmas_lights (@7MDigital)



b_woozy (@denchisoft)

Please select an item.

inner_tube (@catboymech)



live2d_pudding (@denchisoft)

Live2D



microphone_green (@7MDigital)



microphone_red (@7MDigital)



moustache_black (@catboymech)



moustache_pink (@catboymech)

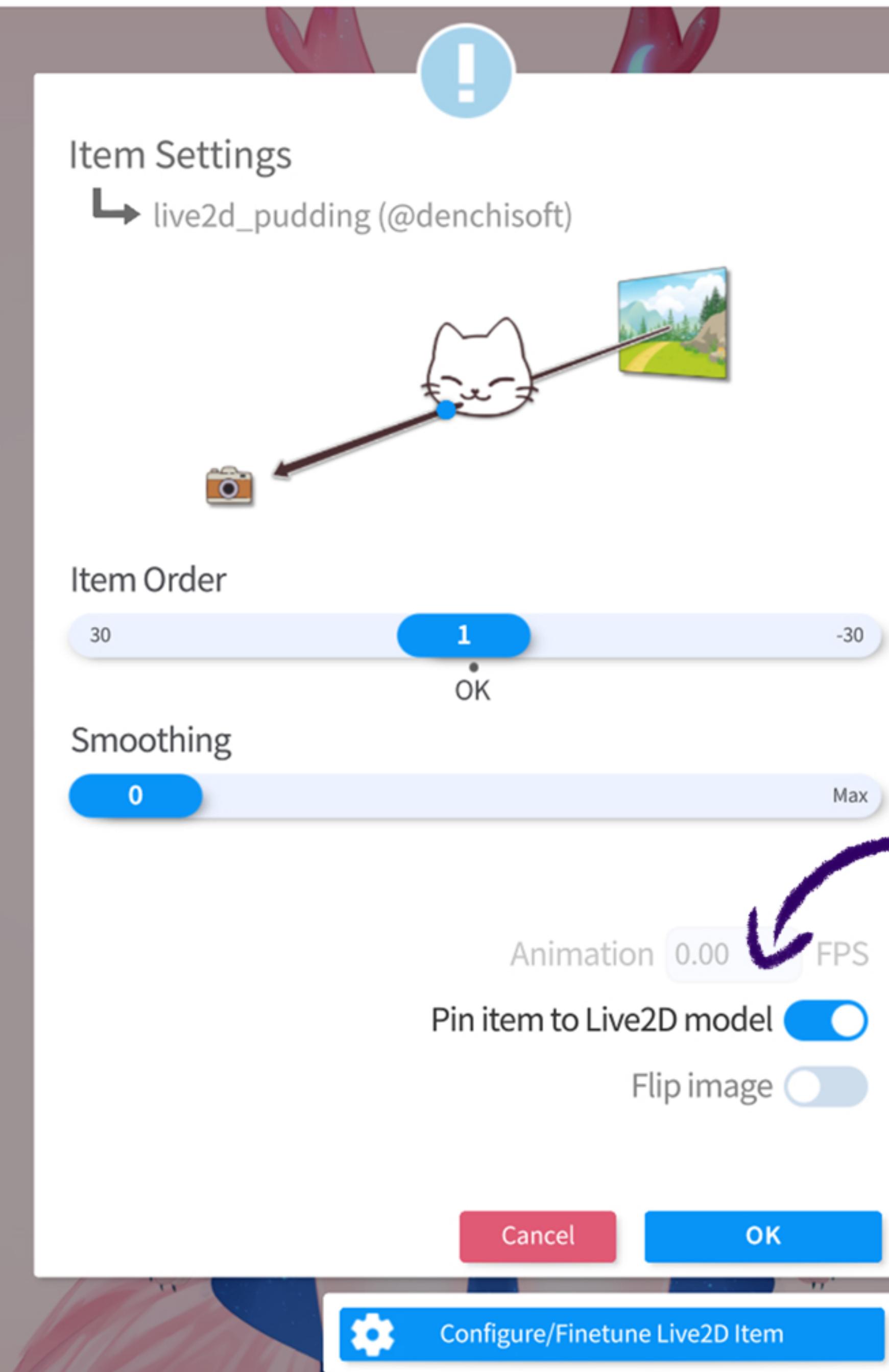
Cancel

Select

Filter

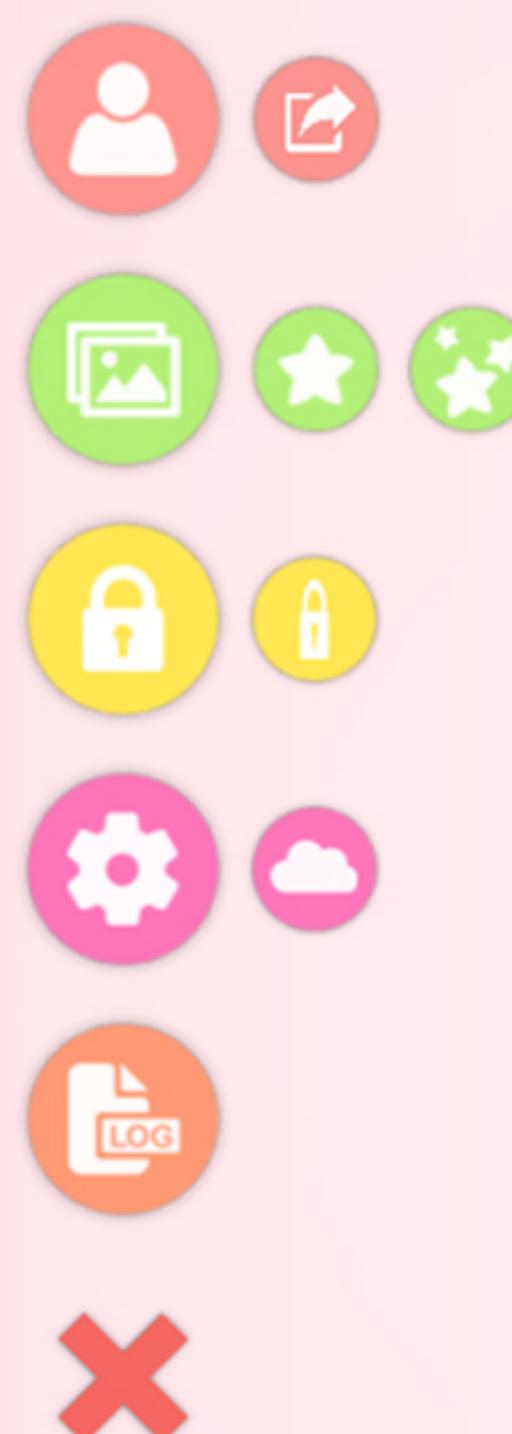
- All
- Animated
- Live2D

YOU CAN HAVE YOUR ITEM IN FRONT OF YOU MODEL OR BEHIND IT.



IF YOU PIN THE ITEM, THE ITEM WILL MOVE WITH YOUR MODEL. THIS IS USEFUL WITH ITEMS SUCH AS SUNGLASSES OR HATS.

IF YOU HAVE AN ITEM THAT YOU WANT TO KEEP STILL, LIKE SOME LIGHTS OR A DRAWING TABLET, TURN THE OPTION OFF.

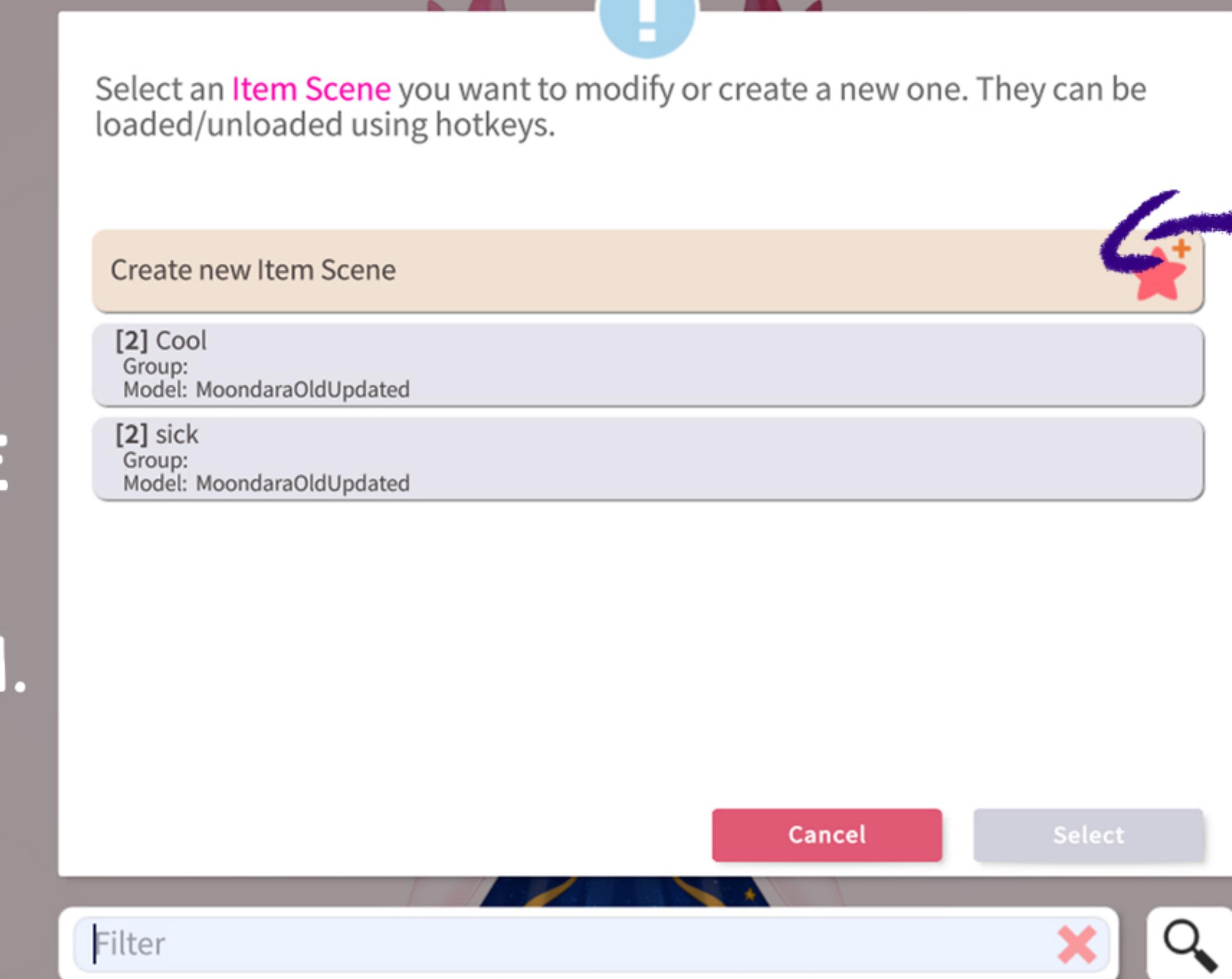


AND THAT'S IT!





IF YOU WANT TO
"SAVE" A SCENE
FOR YOUR ITEM,
CLICK THIS ICON.



NOW
JUST CLICK
THIS BUTTON
AND NOW YOU
HAVE A SAVED
SCENE!



Model Lock

YOU CAN EVEN
CREATE AN "EXPRESSION"
TOGGLE WITH SAID ITEM.



Please select the hotkey action.

Remove all items from scene

Toggle Item Scene

Load random Workshop item

Live2D Item Action

ArtMesh Color Preset

Tracker on/off

Cancel

Select

Filter



Gesture Trigger

Gesture

Filter



**AND THAT'S IT!
YOUR MODEL IS NOW READY TO BE USED!**

