

Things To Do Before Starting TykeAI

Installation

To install the TykeAI .apk to your Quest 3, there are 2 methods, 1 is without using a PC or laptop, this method is using 1 of the various standalone Quest 3 apps that can do this, but these first must be sideloaded with a PC, so unless you already have 1 installed you won't get out of needing a PC.

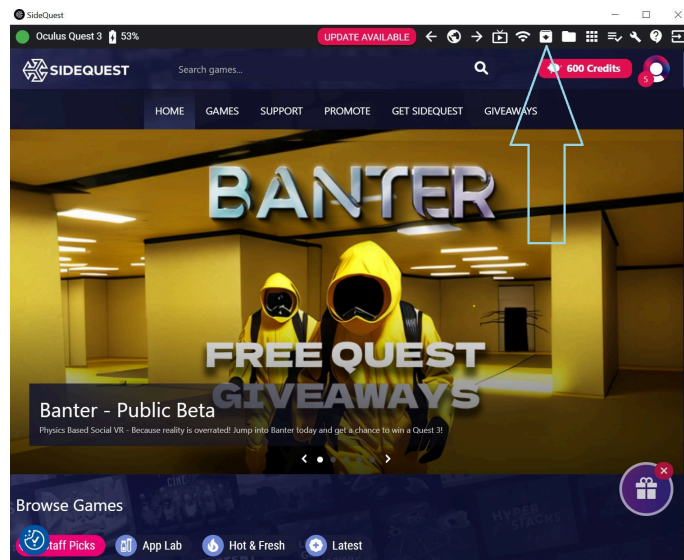


To download the TykeAI app file (the '.apk') to your Quest 3, open the Meta browser in your Q3 or on your PC etc, then browse to the Google drive link given in the TykeAI Patreon that contains the TykeAI app (the link is given to you when you join my Patreon), download the TykeAI app.

You need a "Developer" account which sounds scary but is nothing really, you don't need to be a developer or anything like that, please follow this easy 2 minute video on how to do it <https://www.youtube.com/watch?v=QPInS5xxF-0>

So now you have the app's file (the .apk) and a developer account. Now you need to "sideload" the app onto your Quest which is just a nerdy name for installing it but not using the Meta Store, using apps called SideQuest or Meta Quest Developer Hub. If you don't have SideQuest, install it to your PC, the video instructions for doing this are here : <https://sidequestvr.com/setup-howto> (choose the Advanced Installer and watch the video for it which is called "Advanced Installer Tutorial").

Once installed, open SideQuest with your Quest 3 connected via a USB 3.x cable and port on your PC, choose the option to install .apks (the .apk is the app file). This is shown by where the arrow is pointing to below, then browse to where you've saved your downloaded TykeAI.apk, and install it :



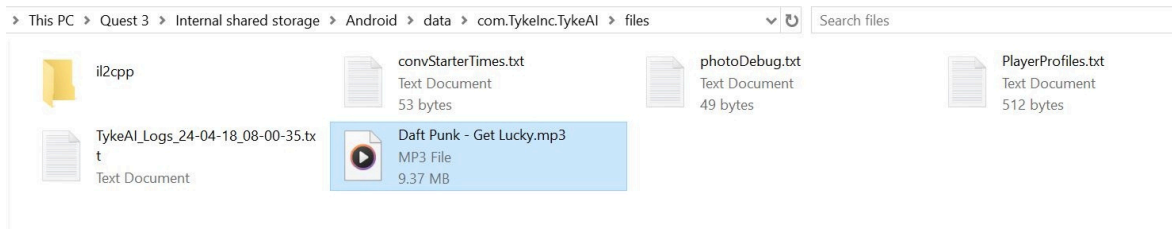
If you have enabled Developer Mode which you should have earlier, you'll now have an "Unknown Sources" folder in your Quest 3, you can find it by selecting the "Apps" icon (the icon with the little grid of dots) and on the left it says "Unknown Sources", select that and you'll TykeAI listed as an app, select it to start the app. If Unknown Sources is not showing toggle Off/On again the Developer Mode option in the Meta phone app or the Meta app on PC.

Adding Your Own Music

I've added the ability for you to be able to add your own music for the avatars to dance or exercise to, and you can dance to if you want to too! The music files you add must be in the .mp3 or .wav format. Add them to apps' directory on the Quest 3, which is

`\Quest 3\Internal shared storage\Android\data\com.Tykelnc.TykeAI\files`

EDIT : You can now add music to your Quest's Download folder too, so no PC needed, just a file manager in your Quest 3. .mp3 format is the most reliable.



like in the image above. As you can see in the example image, I have added a Daft Punk mp3.

If you add your own music, the music already present in the app that I've added won't play, only your added music will play, and if you added more than 1 song the song to play will be randomly selected.

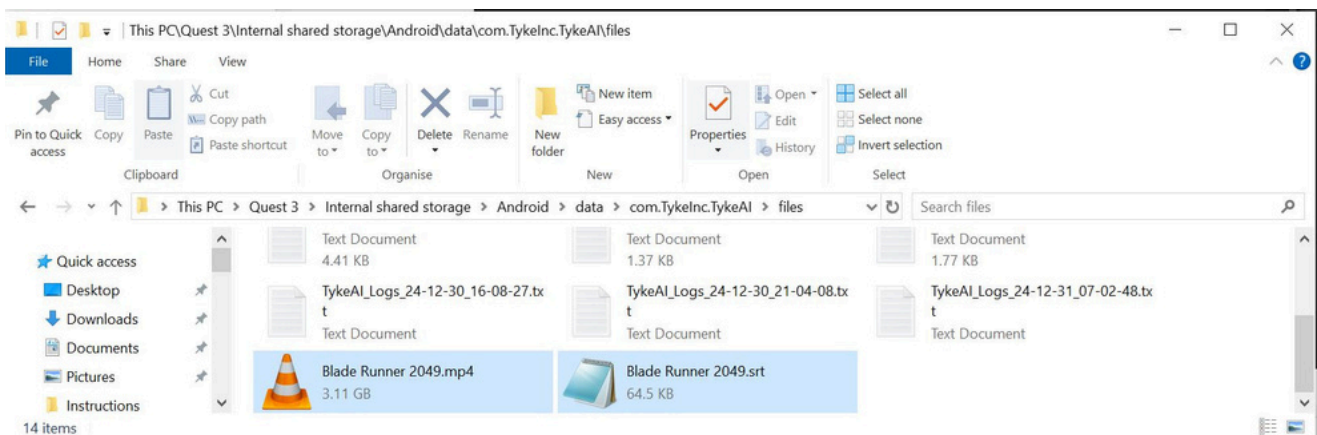
To Add Your Own Video/Movie

Just add the video to this folder location: **EDIT : You can now add movie and subtitles files to your Quests Download folder, so no PC needed, just need a file manager**

`\Quest 3\Internal shared storage\Android\data\com.Tykelnc.TykeAI\files` (which is the location shown in the image above)

Note : 1080P / 1920 x 1080 / HD /2160p / 3840 x 2160 / UHD is supported. The video you add must be 1 of the following file types : .mp4, .avi, .mov. The video

player is quite simple, it can play, pause or adjust volume from the menu. If you have 1 more than video in this location on the Quest 3 the most recently added video will play. (please see following the image).



The avatars know what movie is being watched by the title of the movie you have placed in this folder on your Quest 3.

Try to name the movie file so that the avatar can recognize it, so something like "BladeRunner2049_1080p_7928jkl_download.mp4" will only confuse the avatar, it's best such a file is simply named "Blade Runner 2049.mp4".

Watching A Movie With An Avatar

This imo is a great feature and I'm using this very often 😊 If you want the avatar to appear to watch a movie with you, they will look at the screen and comment on the movie etc, then download the subtitles for that movie (do a google search for them, choose the one's with the file extension .srt) and place the subtitle file in the same location as you just placed the movie file (please see the image above). Rename the subtitle file to the same as the movie file, so for example "Blade Runner 2049.srt". The most recently added movie + subtitle file will be chosen to use by the app.

Some subtitle srt files are rubbish, some are very incomplete so check inside them first before trying to use them. The avatar will relevant comments on the movie as you watch it and also make some final comments when the movie finishes.

For comments during the movie they analyse the srt file every 4 to 6 minutes. If you talk they will wait another 4 to 6 minutes before commenting on the movie. When I watch a movie with them I just tend to not say much, I concentrate on the movie, and they make their comments on it. They also make some final comments by detecting the last subtitle entry in the subtitle (srt) file. If the srt file contains music with lyrics at the end, if the lyrics contain a ♪ the app will realise it is lyrics and ignore it and make their comments at the right time as the movie ends and not when the music ends. Also check if the srt file contains an entry(s) at the end that is something like "subtitles by Lola" or something which aren't actual subtitles for the movie, if you find something like this remove it.

At any point during the movie, if you have added the subtitles for the movie too, you can ask the avatar "Tell me about the movie?", give them a few moments to think about it and they will give you their thoughts on the movie.

Avatar Customization - What is described next (avatar customization) is entirely optional, the avatars have default values anyway

Avatar customizations has gone through testing and is ready for you to use 🎉

There's setup and account creation involved on the Convai website (a free account is fine). This process involves several steps but none of them are difficult provided you carefully follow instructions.

Avatar customizations isn't really an accurate term for this, it should more accurately be described as using your own newly created avatars in the app, that you create on the Convai website 😊

Once you have done this, you copy your new characters character ID and name from the Convai website and then add these to the TykeAI app by using a PC or the in-app new user interface, which can be accessed from the first menu in the app.

Once you have done this and chosen Yumi or Hannah for example, the 3D model avatar for Yumi or Hannah will load but their backstory, personality, knowledge, name, voice, language, etc etc (basically everything which makes them what they are, apart from appearance) will be what you defined in your new character.

Here are the steps summarized :

- Create a new Free account with Convai <https://convai.com/>
- On the Convai website, create your new character <https://docs.convai.com/api-docs/convai-playground/character-creator-tool/create-character> (Do not bother with creating the physical appearance of the character as the app will not use that part). If you want a good result on creating a new character etc, please read all the docs on character creation, it's worth it in the end.
- Once you have completed your character (go through all the settings for them), from step 5 on the webpage linked immediately above, copy the character ID and character name
- You are now at the point where you give the character ID and character name to the TykeAI app, you can either create a new text file called characterID.txt, place the character ID and character name inside this text file exactly as shown here (use your own details of course) : <https://ibb.co/whM0h3t>, then using a file manager app or a PC place the file here on your Quest 3 : (your PC)\Quest 3\Internal shared storage\Android\data\com.TykeInc.TykeAI\files (please see the image <https://ibb.co/WWQLGng>)
- OR instead of the above, use the apps new user interface by selecting the "Add Your Character ID" menu button on the first menu that appears when the app loads.
- Using the UI, you need to enter the character ID, then press "Enter Value" or press Enter on the keyboard, then enter the character's name, then press "Enter Value" or press Enter on the keyboard. Then make sure you have pressed "Enable" so that the new avatar feature is enabled. If you don't want it enabled press "Disable".

- The character ID is a pain to type out using a VR keyboard, however if you want you can copy it from a text file in your Quest 3 then press the "Paste" button in the UI which will paste it so you don't have to type it all out.
- Lastly, you must press "Save and Exit" for the details to take effect. Then load the app up and enjoy your new character 🤖

Also consider watching this Convai video on knowledge bank use i the character creation process <https://www.youtube.com/watch?v=yXzU8jooAB0> (there are many other useful videos on Convai's YouTube channel).

Although all the main things work there are few things that won't work without further work on the Convai website. Image analysis can now be added for your custom character (please see <https://www.youtube.com/watch?v=xp-LSy3GEoo&t=> The other things can be dealt with at a later date (it will require additional setup to the character on the Convai website).