# **ACE Currency Convertor - Manual**

**NOTICE**

ACE Currency Convertor is a product of the **ACE Tech**® company, which itself has a parent company **ACE INDUSTRIES**®. ACE Currency Convertor is a freeware application, that is other developers can reshape it in the way they want it to be.

This is the first freeware application released by **ACE Tech®**, and its not the last in its generation. The delay by the company to release its first software application was because developers and engineers were all occupied by their various engineering courses, in order for them to improve their skills. This was allowed by the company board so that a strong team of engineers can be developed that would work hand in hand with each other to give customers the best software money can buy.

The **ACE Tech®** greatly appreciates your patience and the company promises to give you the best software in the coming future.

The whole application was written using **PYTHON programming language**.

**ACKNOWLEDGEMENT**

The completion of the application would not have been possible without the encouragement and patience of the consumers who waited for the software until its release on **August 5th , 2021.**

Also the making of the application would not have been complete without the wonderful resources that allowed for even faster engineering. The whole application was made in less than a week, this was even faster than what was expected. The resource that allowed for this were:

1. **PAGE tkinter generato**r: That allowed for instant Graphic User Interface design and programming. A GUI generator that allows for drag and drop GUI programming using the tkinter module and Python Programming Language.
2. **Python GUI programming cookbook**: A great book that allowed our engineers understand the basics of the tkinter module with ease. The book was also used as a reference during GUI programming.
3. **SPYDER IDE**: A wonderful IDE that allowed for debugging, auto-completion, variable exploration and instant documentation of the external modules used in the program. All these feature allowed for better programming of the application.
4. **Stack Overflow, Google, Zamtel Velocity**: All these wonderful resources allowed for faster programming and efficient debugging in the testing process especially and the whole process at large.
5. [www.Currencyfreaks.com:](http://www.Currencyfreaks.com:) This site made the whole application possible. The currency gives us the daily updates on how the exchange rates are constantly changing.
6. **Friends and Family**: Lastly as usual nothing could have been achieved without the encouragement and support received from the friends and family of our engineering teams. **ACE Tech**® greatly appreciates your support.

**GETTING STARTED**

**NOTE: FOR FIRST TIME SET UP, MAKE SURE TO HAVE AN INTERNET CONNECTION**

1. The application comes in a folder named “**ACE Currency Convertor**” which is attached with the Manual itself. So it won’t be a struggle finding the application at first
2. Open folder and look for “**Ace\_currency\_convertor\_support.exe**”. Yes it has the word support attached to it, but to anyone who has ever user PAGE gui designer they know why support is there. In short the word “support” just means the file has the main program’s function within it and its where the application should start from.
3. Then now start “Ace\_currency\_convertor\_support.exe”. And you will see a window which will pop-up asking you for your a) **First name only** or forename (Note: I repeat please enter your first name only, it should be at least 3 characters long and should not have any symbols or blanks, otherwise you will get an error). With that said hope you follow or I promise error messages are in your way (You have been warned).
4. b) Second you should fill in the second entry box with an **API key.** The API key is just the key or string of letters and numbers that will allow to communicate with the website will be giving you the exchange rates that is [www.currencyfreaks.com](http://www.currencyfreaks.com) . This is the **most important step** to avoid errors please follow it to the end.
5. On the opened window click the **copy link button** and paste the link in your browser. This will take you to the site and then now sign up (Don’t worry your data won’t be sold for ads and you can delete your account anytime). You can sign up with your google account or you can give details its your choice.
6. Next choose an **API plan**, you can choose a paid subscription or free subscription but the application mainly deals with the **free subscription** and doesn’t really use any paid features (that is why its called “freeware”, its free). Next you should see where its written **your API key** and a **small green copy button**, just click it and you will be notified that key has been copied successfully.
7. Now return to the application window and click the **paste key** button to place the key in its entry window or you can use “ctrl+v” to paste the key in its entry window. Then press the “**Submit”** button to submit the information. If any **submission errors** occur just read what is says and it will guide on how to fix it.

**USING THE CURRENCY CONVERTOR**

1. Now we are getting somewhere, its now time to convert between more than 150 currencies isn’t that fun!
2. Firstly you need to choose what **currency you are converting from** be it the US dollar or the Great British Pound you are free to choose between any currency. The currencies are saved with their **standard ISO codes.** For example the United State Dollar is saved as “USD” and the Great British Pound is saved as the “GBP”. If you don’t know ISO codes like the author of this manual himself, the application comes with a **PDF saved as “ISO codes”** which has all the ISO codes with their country of use and standard decimal numbers needed to write them.
3. Secondly pick the currency you want to convert to. Just use the combo-box labeled **TO**. I promise you can’t miss it, same is done when choosing the currency you are converting from. This time the label is **FROM** and again you can’t miss it. NOTE: You can’t directly type an ISO code into the combo-box in order to choose it. This feature is added in order to prevent any errors of conversion
4. Now just **enter the amount** (Make sure you enter positive numbers and no words just numbers or else, you have been warned!) and click that **“CONVERT”** button to convert the amount. Congratulations for converting your first amount.
5. Next just keep on converting between currencies as much as you want and have fun with your conversions
6. **NOTE:** Your free subscription is limited to only **1000 requests per month**. The moment you reach 1000 requests, you will now get errors of conversions or even startup. To **PREVENT** this when you run the application don’t close it, if you know you will need to convert an amount again, just **minimize it** and continue on with your work. Because the number of requests sent to the site increases each time you launch the application, because the app **updates the exchange rates** each time you launch the app **only if your computer is connected to the internet.** Apparently **you can’t turn off this update feature.**
7. You can convert currencies **without an internet connection**. The app will simply use your last update of exchange rates to convert between currencies. It will notify you of the date you last updated its currency data in order for you to be aware of the kind of exchange rates you are using.
8. The **“COPY”** button is used to copy what ever amount has been converted to the clipboard in order for you to use it where ever you want.
9. Lastly the **“RESET”** button is used only when you maybe **reset your api key** or you miraculously **change your first name**. Use the reset button before you change any of the above the features. Clicking this button will take you to the first window used on start-up in order for you to re-enter your details. Don’t worry your currency data is left unchanged, but you will need to make sure your are **connected to the internet** before you change your details. This is because the **new API key** will need to be confirmed before it can used by the application. If you have already clicked the reset button just wait for the next-time you will be connected to the internet in order to set it up.

**CONCLUSION**

If you have read the manual to this far, congratulations as you have understood all the basic features of the application in order for you to use it perfectly. For any unknown errors that arise as you use the software or for any features you don’t understand about the application just email our **ACE Tech®** customer support that is [alinaswe45@gmail.com](mailto:alinaswe45@gmail.com) to get quick solutions on the problem and feedback or call our Zambian line (+260-777464990). THANK YOU FOR YOUR SUPPORT!!!!!

**REMEMBER TO ACE ALL YOUR ACTIVITES!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**