EVERCADE

This is a **100% unofficial** document is meant to help Mac users to upgrade their Evercade firmware

FIRMWARE UPDATE WITH MAC AND VMS

INTRODUCTION **2**

DISCLAIMER **2**

DOWNLOAD VIRTUALBOX **3**

INSTALL VIRTUALBOX **4**

DOWNLOAD A WINDOWS INSTALLATION IMAGE **6**

RUN WINDOWS IN VIRTUALBOX **7**

START WINDOWS 10 AND DOWNLOAD FIRMWARE **12**

INSTALL SUPPORT FILES **15**

INSTALL THE EVERCADE FIRMWARE **16**

INTRODUCTION

The goal of this document is to show you how you can update your Evercade firmware using a Mac.

It requires the use of a Windows Virtual Machine, so it may be a bit technical, but I hope I have made the steps clear enough for anyone to follow.

DISCLAIMER

This document is offered "as-is" – It's meant as a helper guide, but I am not providing any support for users of this guide – it's just my attempt to help the community out.

Feel free to use the guide, but I'm not responsible for anything you do – sorry I have to say this, but the bottom line is that you are responsible for your own actions on your own hardware, but I feel if I don't say it, I will have some people who will hold me responsible for something that goes wrong (it shouldn't…..but hey – shit happens!)

That being said – if you think I've left anything out or you find a mistake, please let me know and I'll try my best to update the document :D

You can contact me on twitter via @deadl0ck_eire or via the Evercade.info contact page here: http://evercade.info/contact-me/

DOWNLOAD VIRTUALBOX

Go to https://www.virtualbox.org/ and click on the “Download VirtualBox” button:

You will be brought to the downloads page – select the download for “OS X Hosts”:

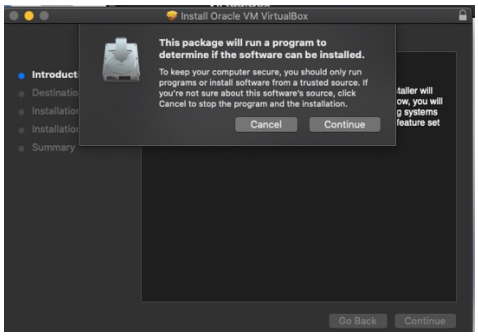
The latest version (as of writing this document) is 6.1.18 – the direct download link is https://download.virtualbox.org/virtualbox/6.1.18/VirtualBox-6.1.18-142142-OSX.dmg

INSTALL VIRTUALBOX

Once the installation package has been downloaded, double-click it to start the installation:

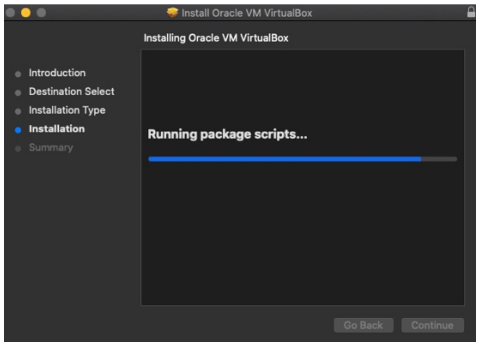
Follow the on-screen instructions to install VirtualBox – all the default options should be fine:

(1)

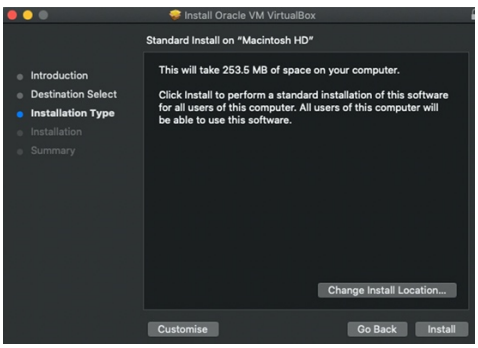


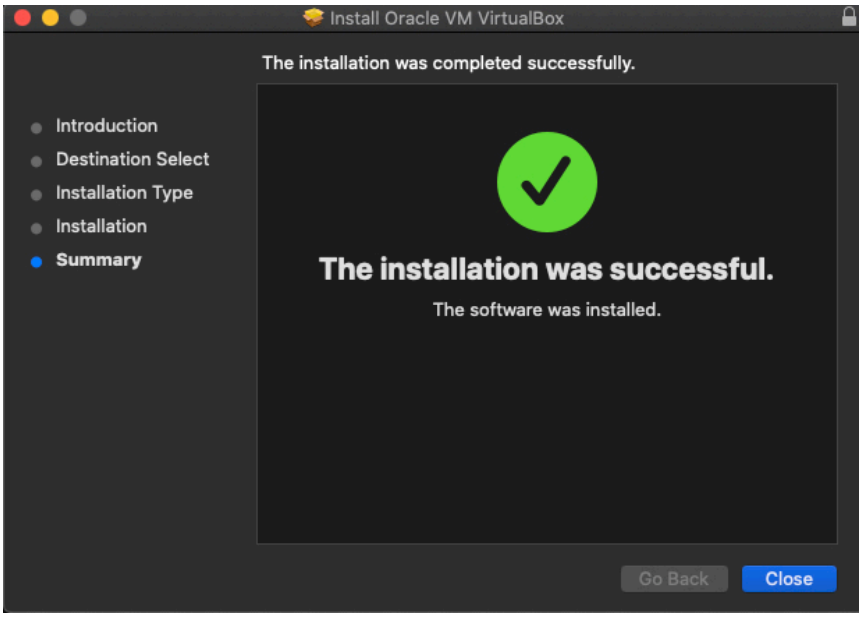
(2)

(3)



(4)



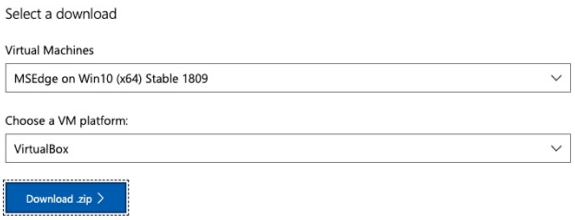

Install Oracle VM VirtualBox
The installation was completed successfully.
Introduction
Destination Select
Installation Type
Installation
Summary
The installation was successful.
The software was installed.
Go Back
Close

DOWNLOAD A WINDOWS INSTALLATION IMAGE

Microsoft offers Virtual Machine images of windows that expire after 90 days.

Go to https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/ and select a VM image to download.

Make sure to select "**MSEdge on Win10 (x64)**" as it is Windows 64-bit, and "**VirtualBox**" as the VM Platform:

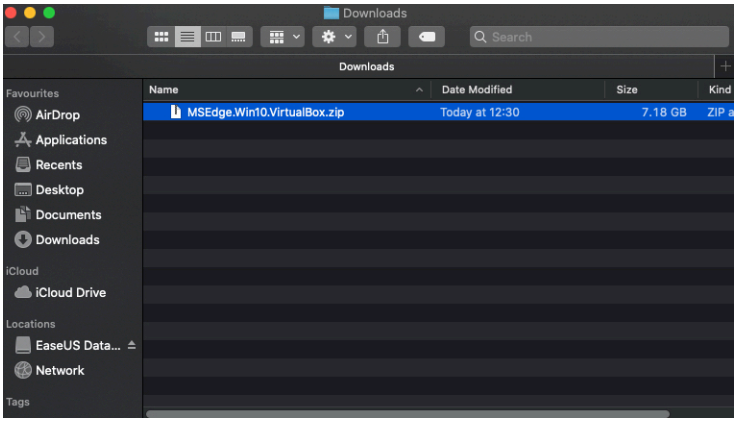


Finally, download the image by clicking the "Download .zip" button that appears.

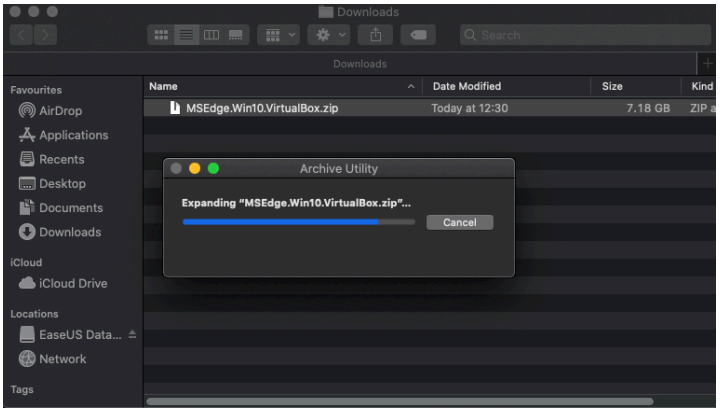
RUN WINDOWS IN VIRTUALBOX

Unzip the Windows image zip that you just downloaded by opening "Finder" on your mac (Press Command Key + Space and type "finder" in the "Spotlight Search" box that appears)

When finder Launches, navigate to where you downloaded the Windows zip files to:

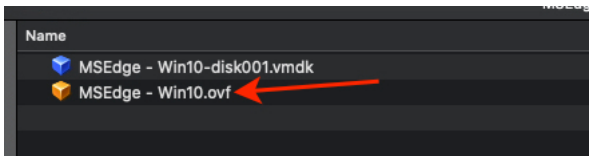


Double Click the .zip file and it will extract into a new folder called "MSEdge – Win10" – go into this folder

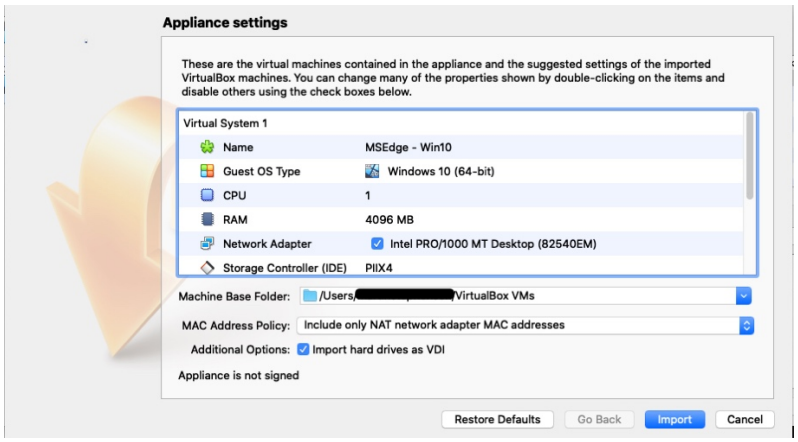


You should now see 2 new files.

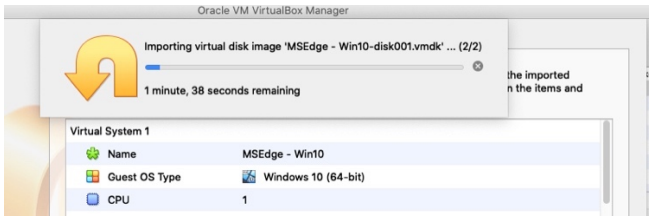
Double click on the ".ovf" file:



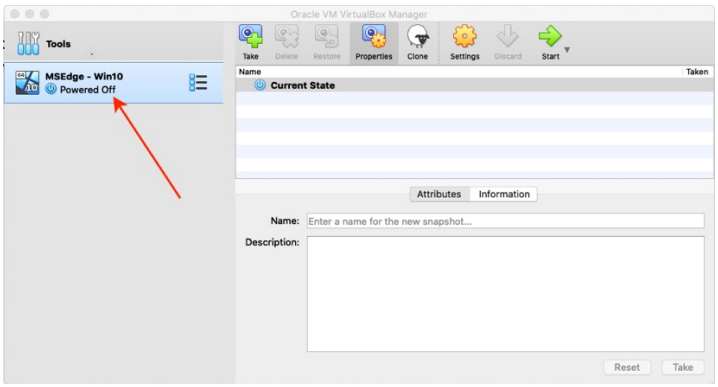
As VirtualBox has already been installed it should launch an import screen as follows – just click on the “Import” button:



An import box should pop up, showing you the import progress:



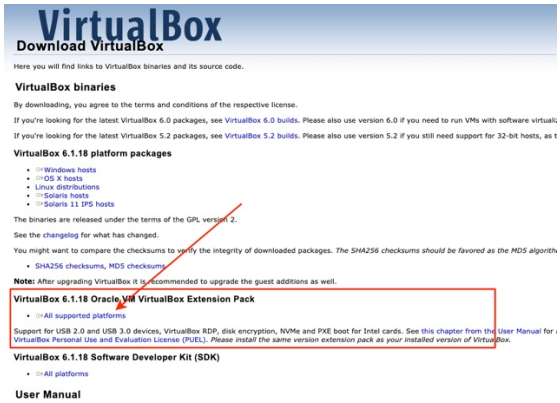
When the import is finished, you should see a Windows 10 Machine listed on the right – in this case it will be "MSEdge – Win10" as that was the image downloaded from the Microsoft VM site:



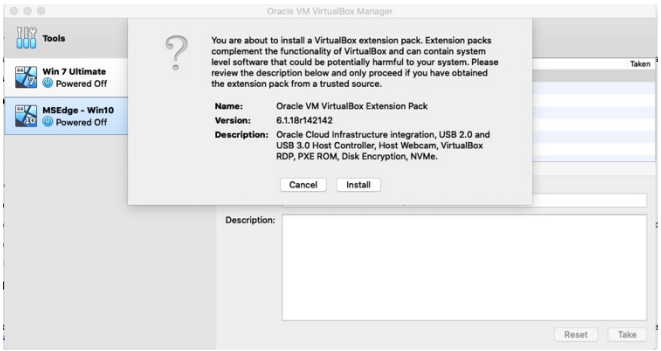
Next you will need to install USB 2.0 Support.

Go to https://www.virtualbox.org/wiki/Downloads

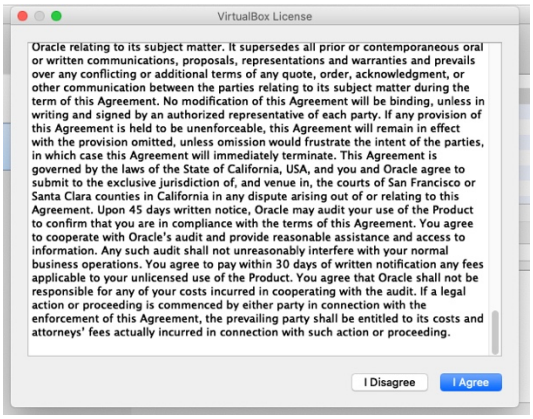
And select the VirtualBox Extension Pack:



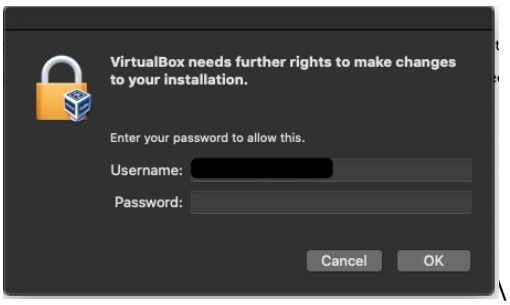
When this downloads, double-click it to open it, and you should see VirtualBox open with the following screen – just double click on the Install button:



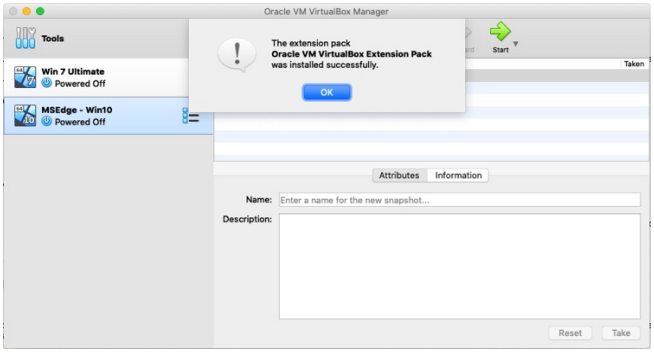
You will be presented with a licence agreement, scroll to the bottom and click the “I Agree” button:



You will be asked to input your password to proceed:

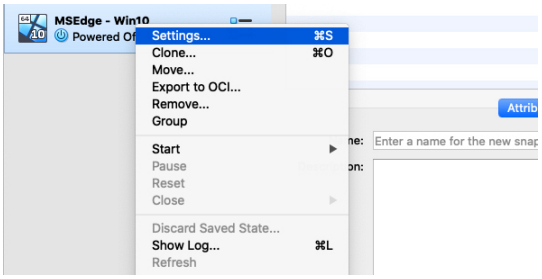


The VirtualBox extensions should now install and you should get a confirmation window:

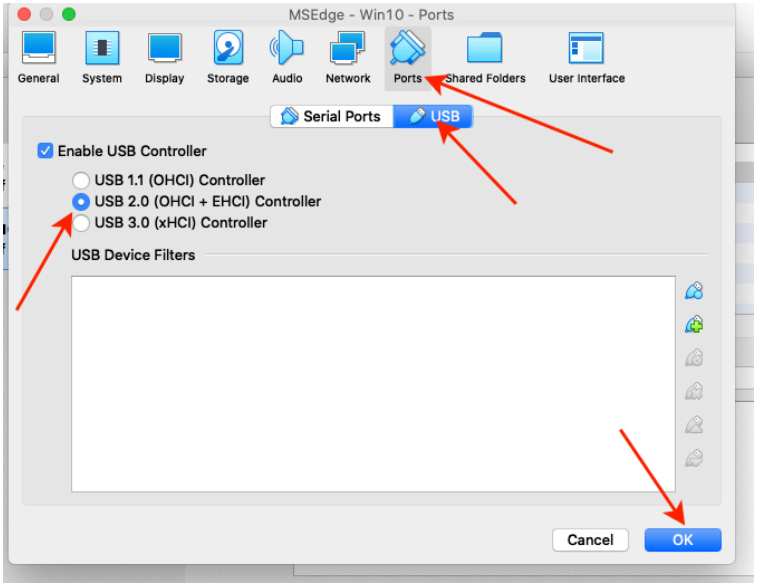


Now will need to ensure that USB 2.0 Ports are enabled in the VM.

Right-Click on “MSEdge – Win10” and select “Settings”:

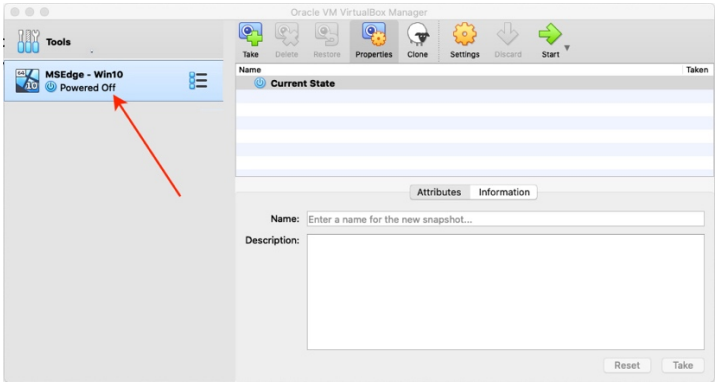


Select “Ports” then “USB” and ensure the “Enable USB Controller” checkbox is checked, select “USB 2.0” and click the “OK” Button:

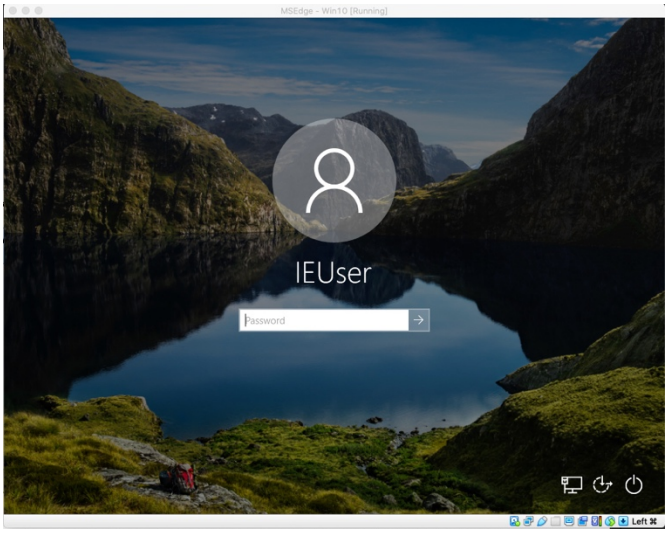


START WINDOWS 10 AND DOWNLOAD FIRMWARE

Start Windows 10 by double-clicking it:

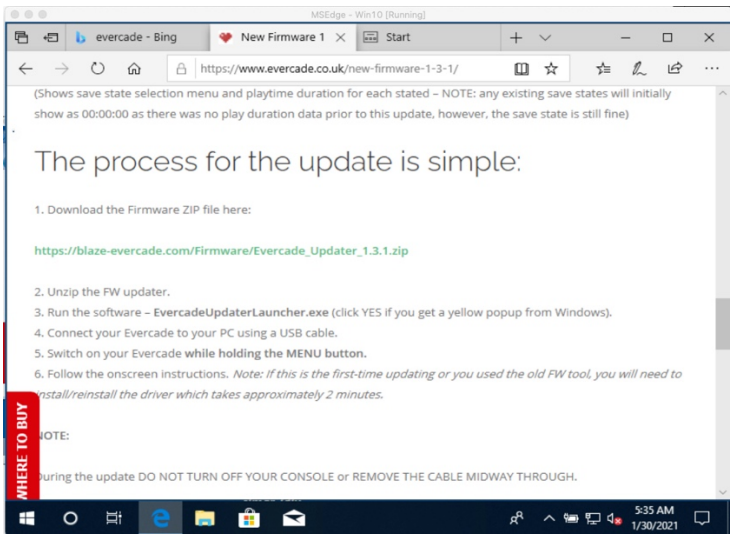


Log in with the installed user (IEUser) and use the password **Passw0rd!**



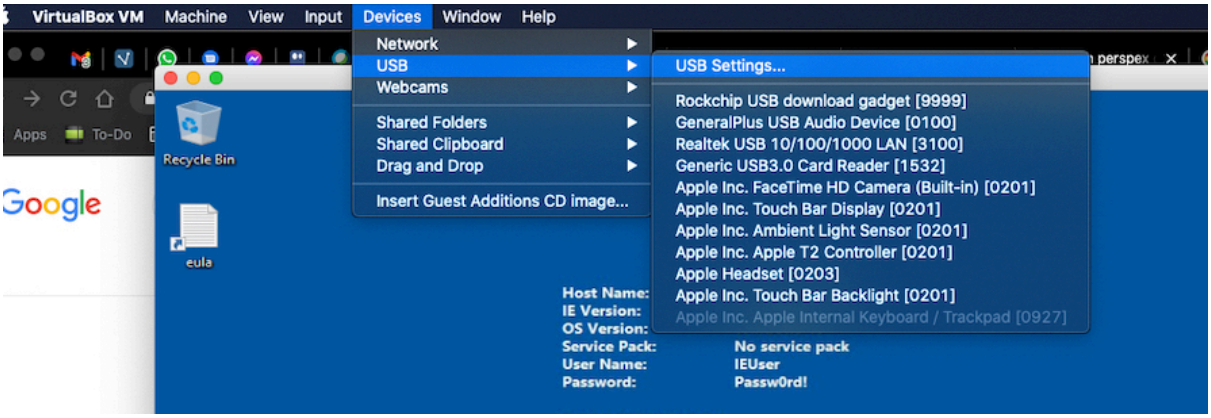
Once logged in you will see the main Windows 10 screen:

From within your Windows VM, start The Microsoft Edge Browser, and go to the Evercade website and download the Firmware:

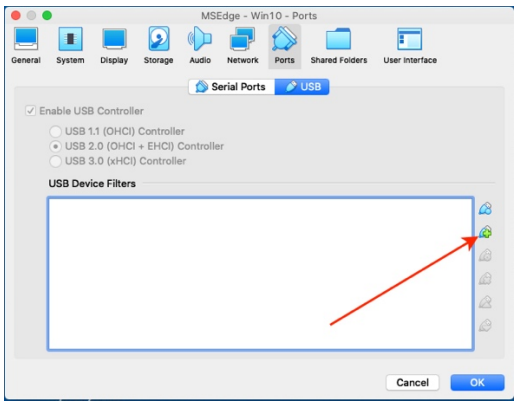


Now attach your Evercade to your mac and start it while holding down the Menu button to go into the firmware update mode. Wait a few seconds to make sure the Evercade is booted into firmware mode (you will just have a black screen on the Evercade).

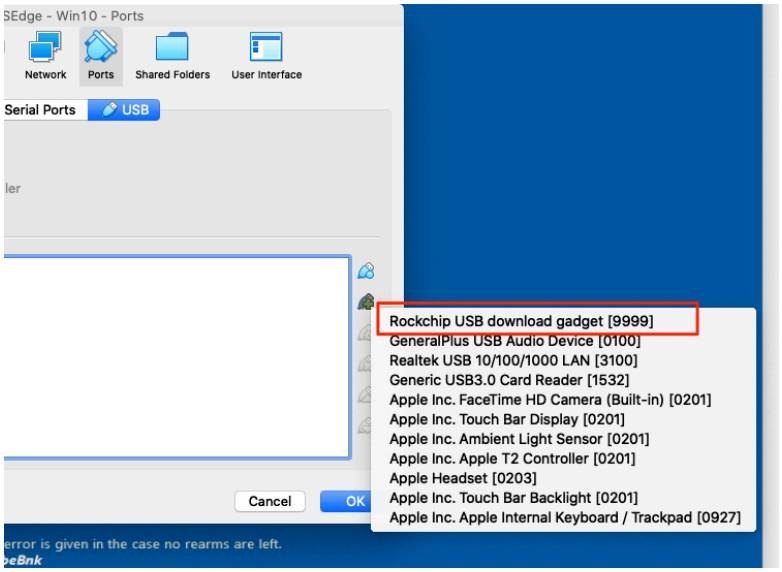
Next from the VirtualBox menu at the top of the screen select “Devices” → “USB” →”USB Settings”



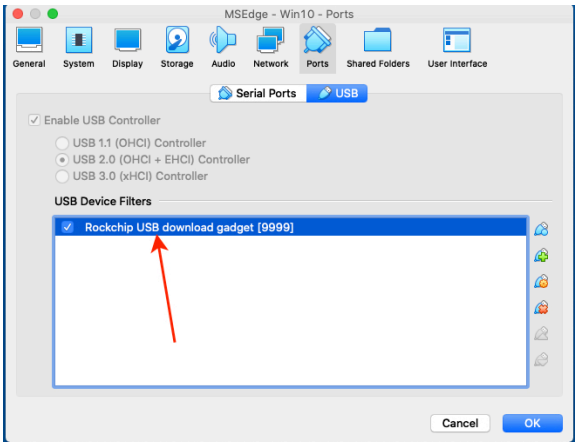
On the Ports dialog that appears (if you don't see the window below on the screen that appears, click the "Ports" option on the top, then "USB") click the second icon on the right with the small green "+" Symbol:



You will be presented with a list of USB devices, and one of them should be a "Rockchip USB download gadget":



Select this device and you should see it added to the list of "USB Device Filters":

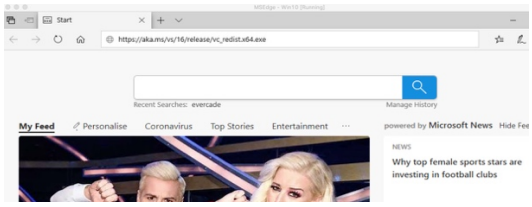


This allows the Evercade to be auto-connected to the Windows machine when it is running – this is important as we need this auto-connection.

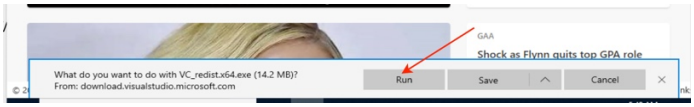
INSTALL SUPPORT FILES

There are some support files needed for the firmware updater to run.

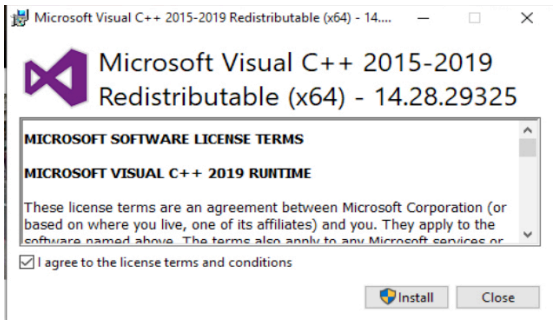
From within Windows 10, open the browser and go to https://aka.ms/vs/16/release/vc_redist.x64.exe and download the Visual C++ files:



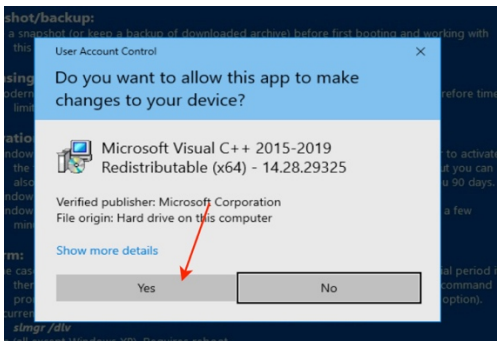
When the download starts select the option to Run the file:



Accept the terms and conditions and click the “Install” button:

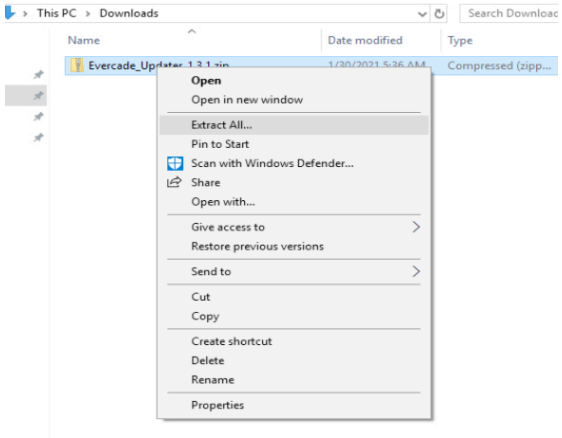


Allow the support files to be installed by clicking the “Yes” button:

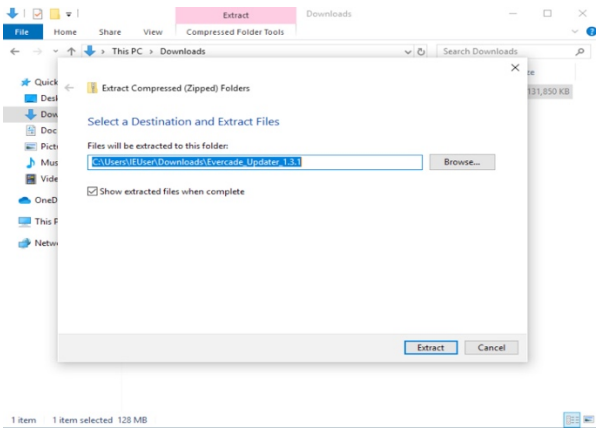


INSTALL THE EVERCADE FIRMWARE

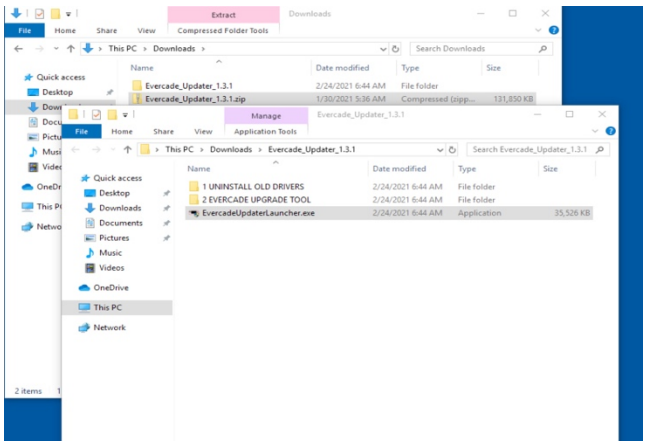
Unzip the firmware file you downloaded in Windows 10 by right-clicking on the Firmware zip file and selecting "Extract All…":



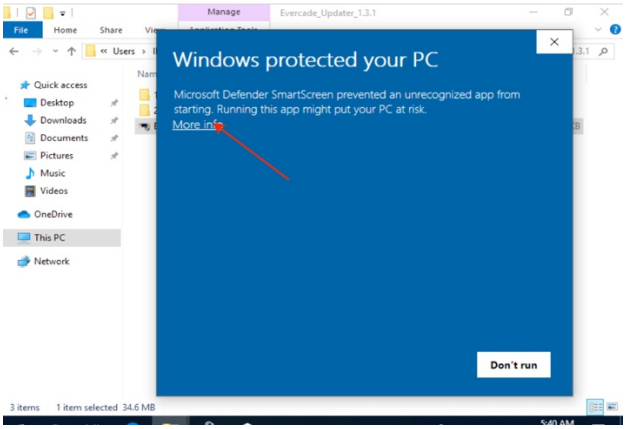
Then click the "Extract" button:



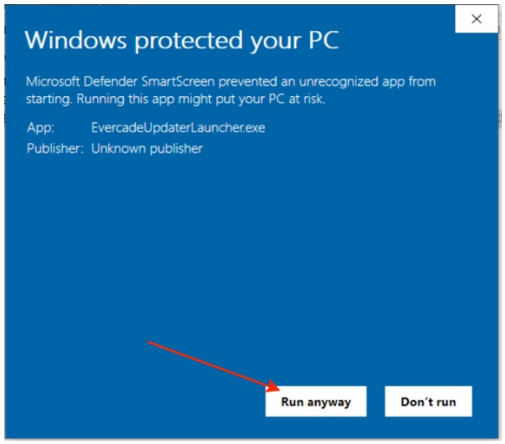
The zip will extract and you will see the newly created folder with the extracted files in it; double-click "EvercadeUpdateLauncher.exe":



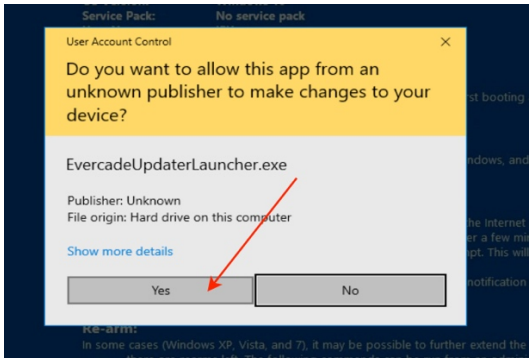
Windows will try and stop the updater from running as it does not recognise these new files, so click on the “More Info” link:



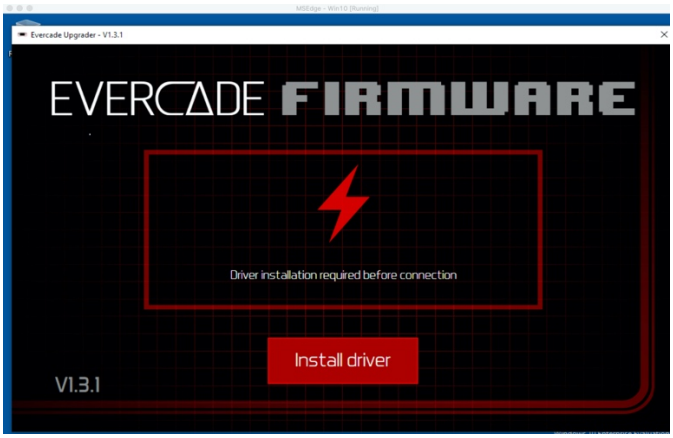
And select “Run Anyway”:



Select “Yes” to allow the app to run:

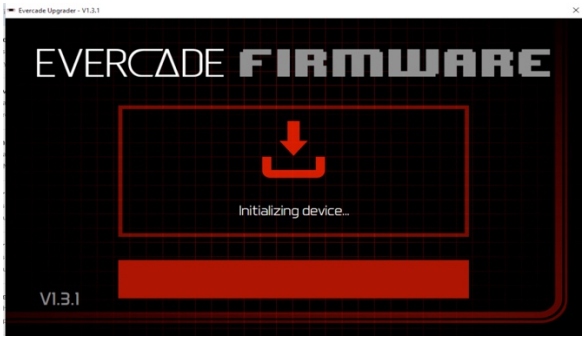


You will now be asked to install a driver for the Evercade:

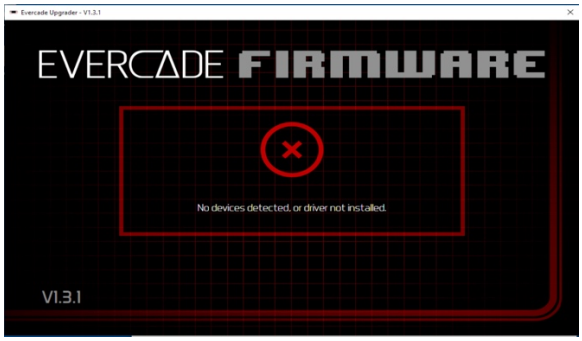


Install the driver and then you should see this screen – click on the “Start upgrade” button

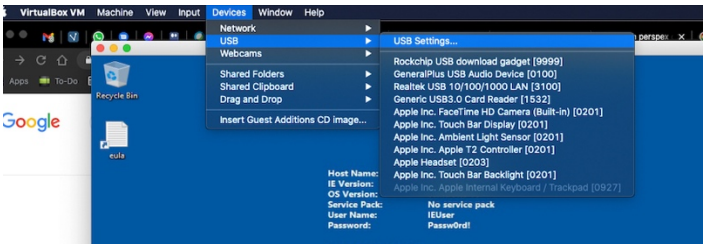
Press the “Start Upgrade” button – you should see a screen that says “initializing device…”, but only for a few seconds:



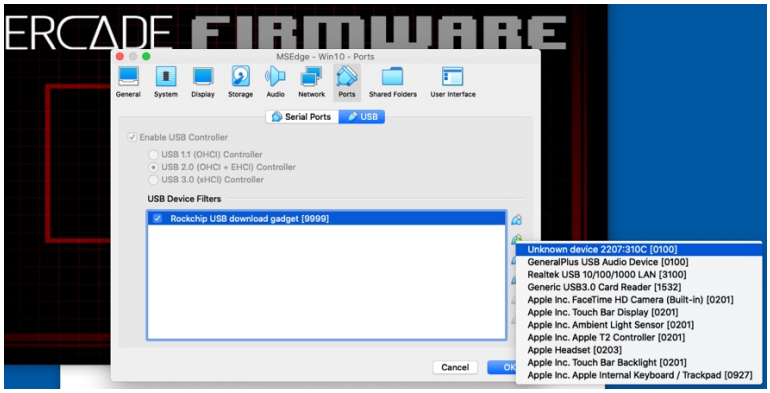
Then you will see a scree that says “No devices detected, or driver not installed.”:



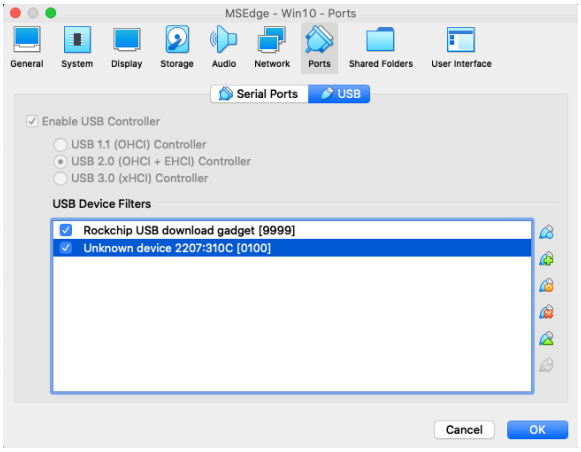
Now you need to go back to the USB settings, so go to “Devices” → “USB” →”USB Settings”:



Again, on the Ports dialog that appears (if you don’t see the window below on the screen that appears, click the “Ports” option on the top, then “USB”) click the second icon on the right with the small green “+” Symbol, and this time select “Unknown Device”:



“Your Screen should now look like this, and have 2 devices listed under the “USB Device Filters:



Now:

- Switch off the Evercade
- Close the firmware updater application in Windows
- Restart Evercade with Menu button held down
- Start the firmware updater again in Windows

This time the firmware should update once you hit the “Start Upgrade” button !

HURRAY – Your Evercade should now be updated !!