

# UrJtag Installation Instructions

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## Common Commands to use Urjtag after Installation

Connect the Krypton board to your PC and Power it on using slide switch

Open Terminal and type: **sudo rmmod ftdi\_sio** (only Ubuntu 18.04, every time you connect/Power On the Board) and press enter

Open Terminal and type: **sudo jtag** (ubuntu) and press enter

Run **jtag.exe** (windows)

Type the command: **cable ft2232 vid=0x0403 pid=0x6010** and press enter

Type the command: **detect** and press enter

Type the command: **svf <path to file>/filename.svf progress** and press enter

\*\*avoid giving “spacebar” in file/folder name, instead use “\_” or “-”

\*\*(\) for Windows

\*\*run all the commands everytime you program the HW, no shortcut

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## Installation of UrJtag on Ubuntu 16.04

\*\*Pendrive also has Ubuntu 16.04 but UrJtag is already installed there, no need to install

Download the folder: **urjtag\_ubuntu\_16.zip** from Teams/General/Files/Software\_Tutorial\_Instructions/

Extract/Unzip the file: **urjtag\_ubuntu\_16.zip**

Move to the directory/folder: **urjtag\_ubuntu\_16/**

Right click and Open in Terminal

Type the command: **chmod +x urjtag.sh** and press enter

Type the command: **sudo ./urjtag.sh** and press enter

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## Installation of UrJtag on Ubuntu 18.04

Download the folder: **urjtag\_ubuntu\_18.zip** from Teams/General/Files/Software\_Tutorial\_Instructions/

Extract/Unzip the file: **urjtag\_ubuntu\_18.zip**

Move to the directory/folder: **urjtag\_ubuntu\_18/**

Right click and Open in Terminal

Type the command: **chmod +x dependency.sh** and press enter

Type the command: **sudo ./dependency.sh** and press enter

Extract/Uncompress the file: **urjtag-2019.12.tar.xz**

Move to the directory/folder: **urjtag-2019.12/**

Right click and Open in Terminal

Type the command: **./configure** and press enter

Type the command: **./configure --disable-dependency-tracking** and press enter

Type the command: **./configure** and press enter

Type the command: **make** and press enter

Type the command: **sudo make install** and press enter

Move to the directory/folder: **urjtag\_ubuntu\_18/**

Right click and Open in Terminal

Type the command: **chmod +x urjtag.sh** and press enter

Type the command: **sudo ./urjtag.sh** and press enter

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# Installation of UrJtag on Windows

## Method 1(Portable Version)

Download the folder: **urjtag\_windows.zip** from Teams/General/Files/Software\_Tutorial\_Instructions/

Extraxt/Unzip the file: **urjtag\_windows.zip**

Move to the directory/folder: **urjtag\_windows/**

Run the file: **jtag.exe** (right click and run as administrator if normal mode does not work)

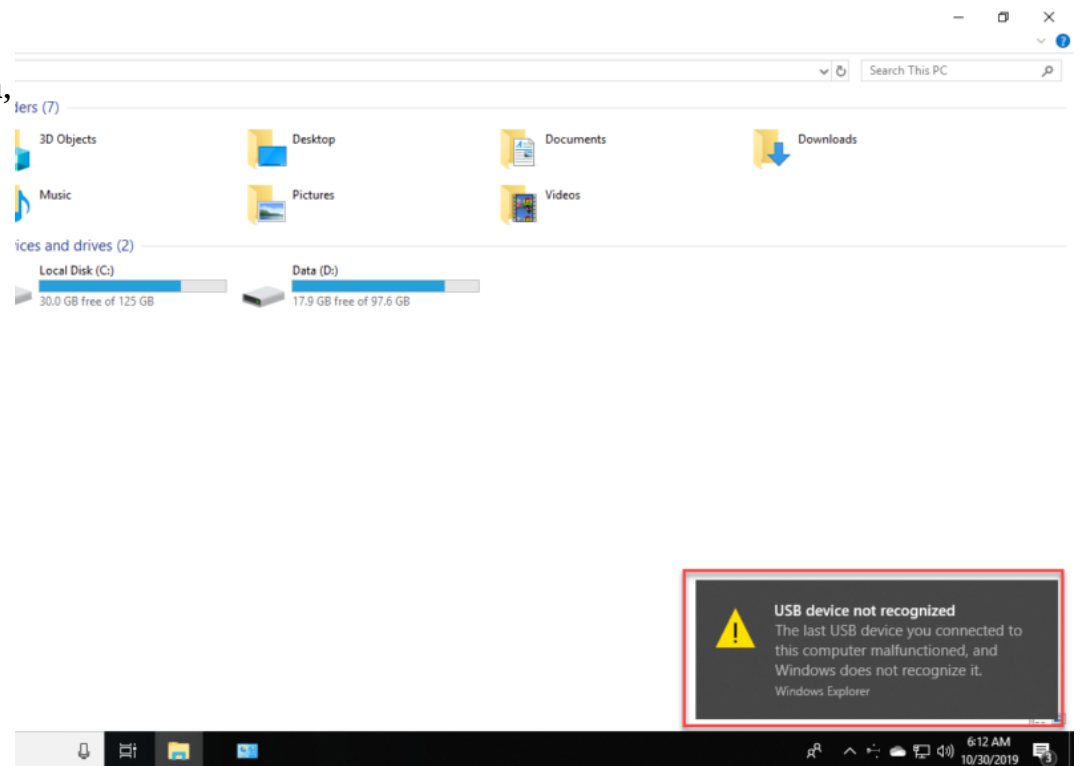
## Method 2 (Installation Version)

Follow the Instructions given in the video “WindowsUrJtag.mp4” available at Teams/General/Files/Software\_Tutorial\_Instructions/

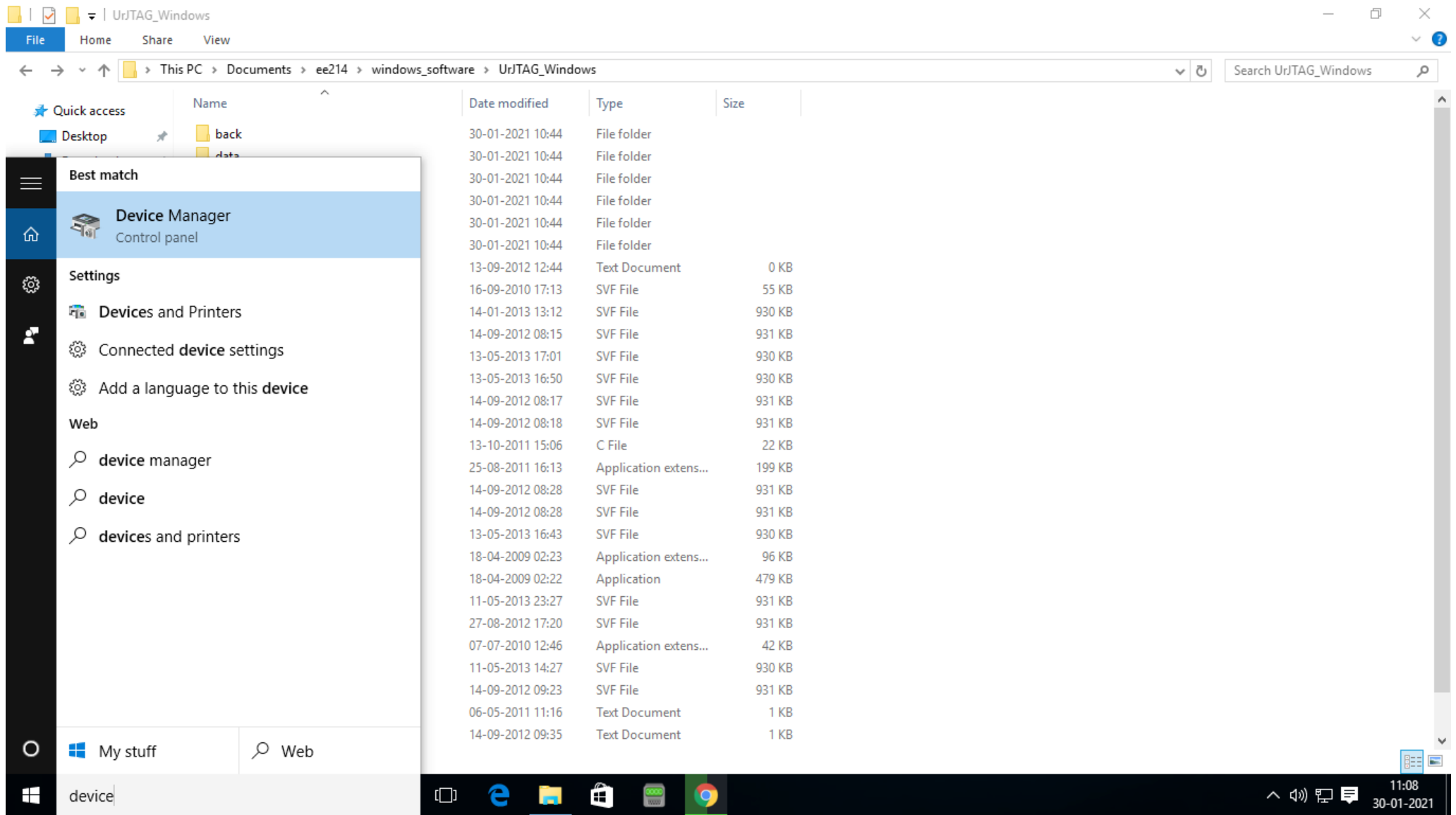
Compressed file “altera.zip” is available at Teams/General/Files/Software\_Tutorial\_Instructions/

## Steps to Install Device Driver

**FIRST:** Connect the Krypton board to your PC and Power On, you will see notification “USB Device not recognized”



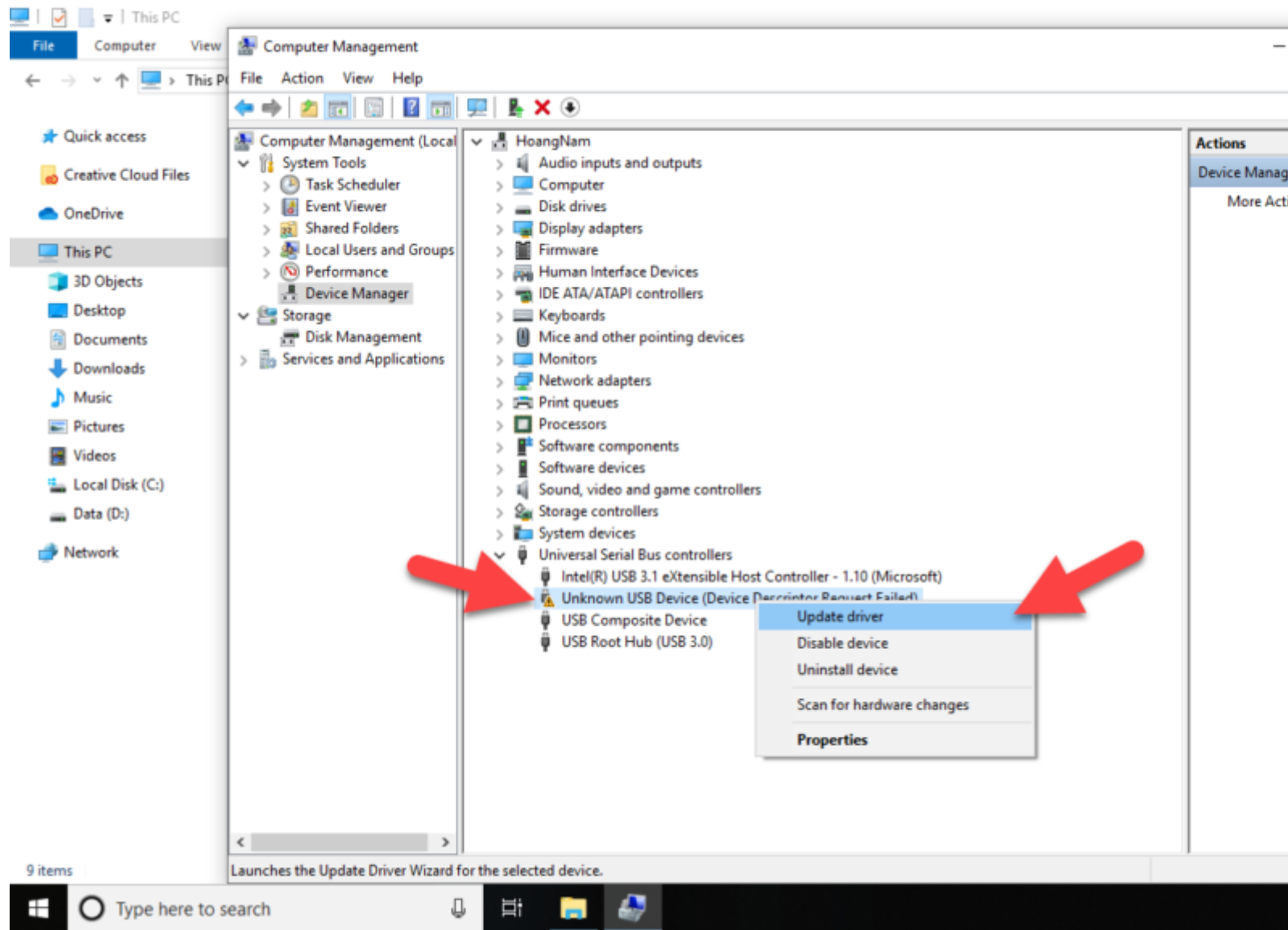
## SECOND: Open “Device Manager”



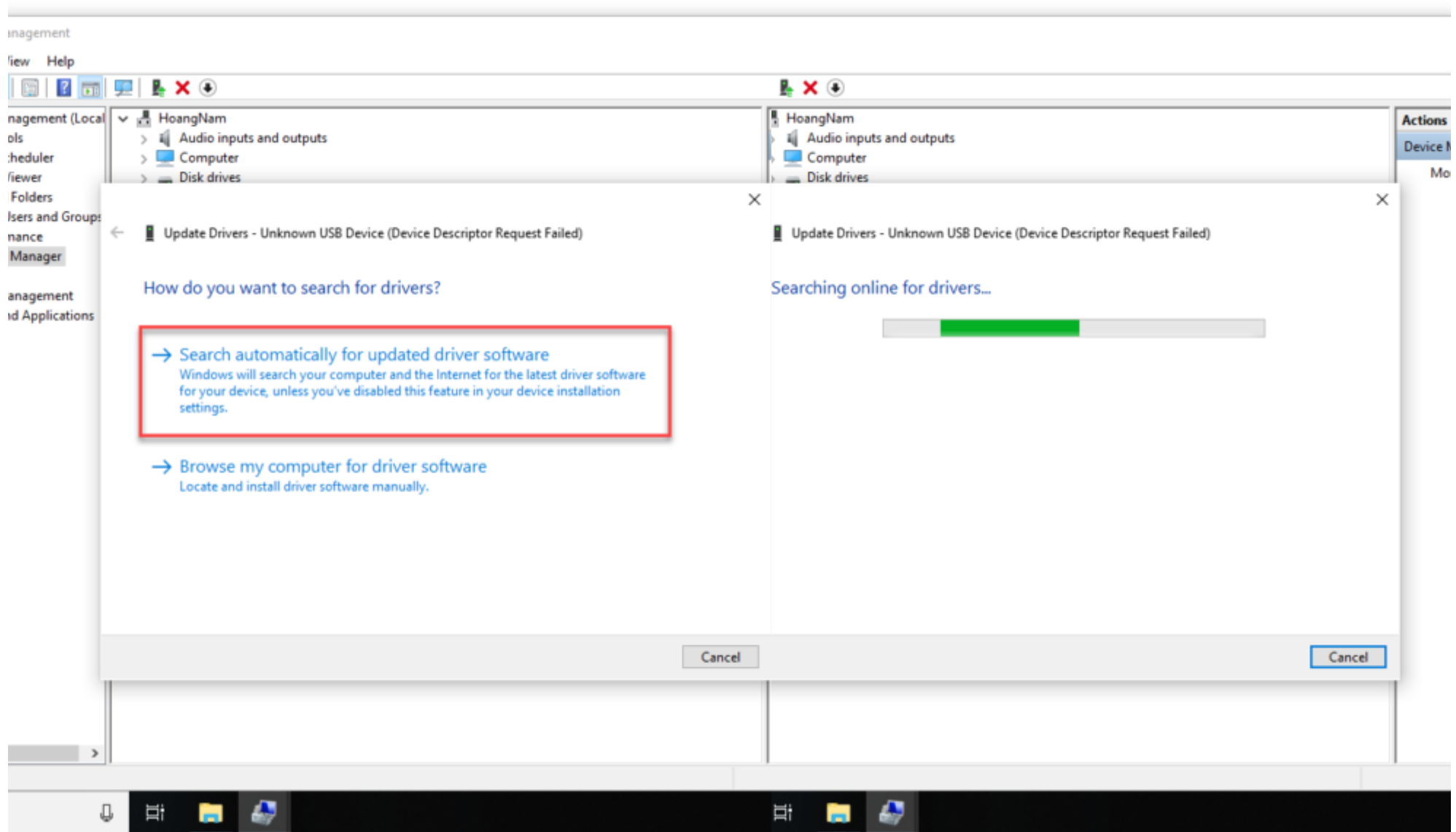
The screenshot shows a Windows File Explorer window with the address bar set to 'UrJTAG\_Windows'. The search bar on the left is active, displaying 'Best match' results for the search term 'device manager'. The top result is 'Device Manager', which is a Control panel item. Below it, there are several other results under the 'Settings' category, including 'Devices and Printers', 'Connected device settings', and 'Add a language to this device'. The background of the File Explorer window shows a list of files and folders, including 'back', 'data', and several 'SVF File' and 'Text Document' files.

Name	Date modified	Type	Size
back	30-01-2021 10:44	File folder	
data	30-01-2021 10:44	File folder	
	30-01-2021 10:44	File folder	
	30-01-2021 10:44	File folder	
	30-01-2021 10:44	File folder	
	30-01-2021 10:44	File folder	
	13-09-2012 12:44	Text Document	0 KB
	16-09-2010 17:13	SVF File	55 KB
	14-01-2013 13:12	SVF File	930 KB
	14-09-2012 08:15	SVF File	931 KB
	13-05-2013 17:01	SVF File	930 KB
	13-05-2013 16:50	SVF File	930 KB
	14-09-2012 08:17	SVF File	931 KB
	14-09-2012 08:18	SVF File	931 KB
	13-10-2011 15:06	C File	22 KB
	25-08-2011 16:13	Application extens...	199 KB
	14-09-2012 08:28	SVF File	931 KB
	14-09-2012 08:28	SVF File	931 KB
	13-05-2013 16:43	SVF File	930 KB
	18-04-2009 02:23	Application extens...	96 KB
	18-04-2009 02:22	Application	479 KB
	11-05-2013 23:27	SVF File	931 KB
	27-08-2012 17:20	SVF File	931 KB
	07-07-2010 12:46	Application extens...	42 KB
	11-05-2013 14:27	SVF File	930 KB
	14-09-2012 09:23	SVF File	931 KB
	06-05-2011 11:16	Text Document	1 KB
	14-09-2012 09:35	Text Document	1 KB

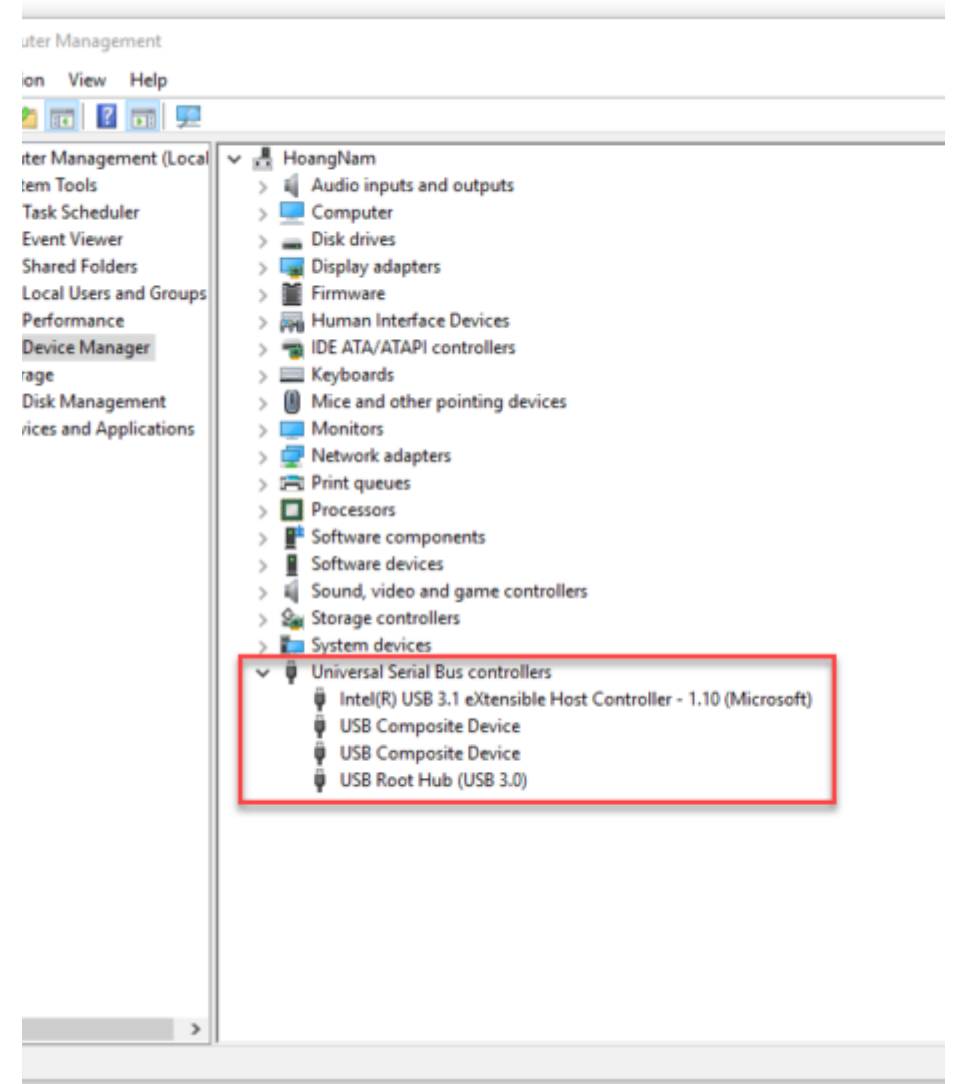
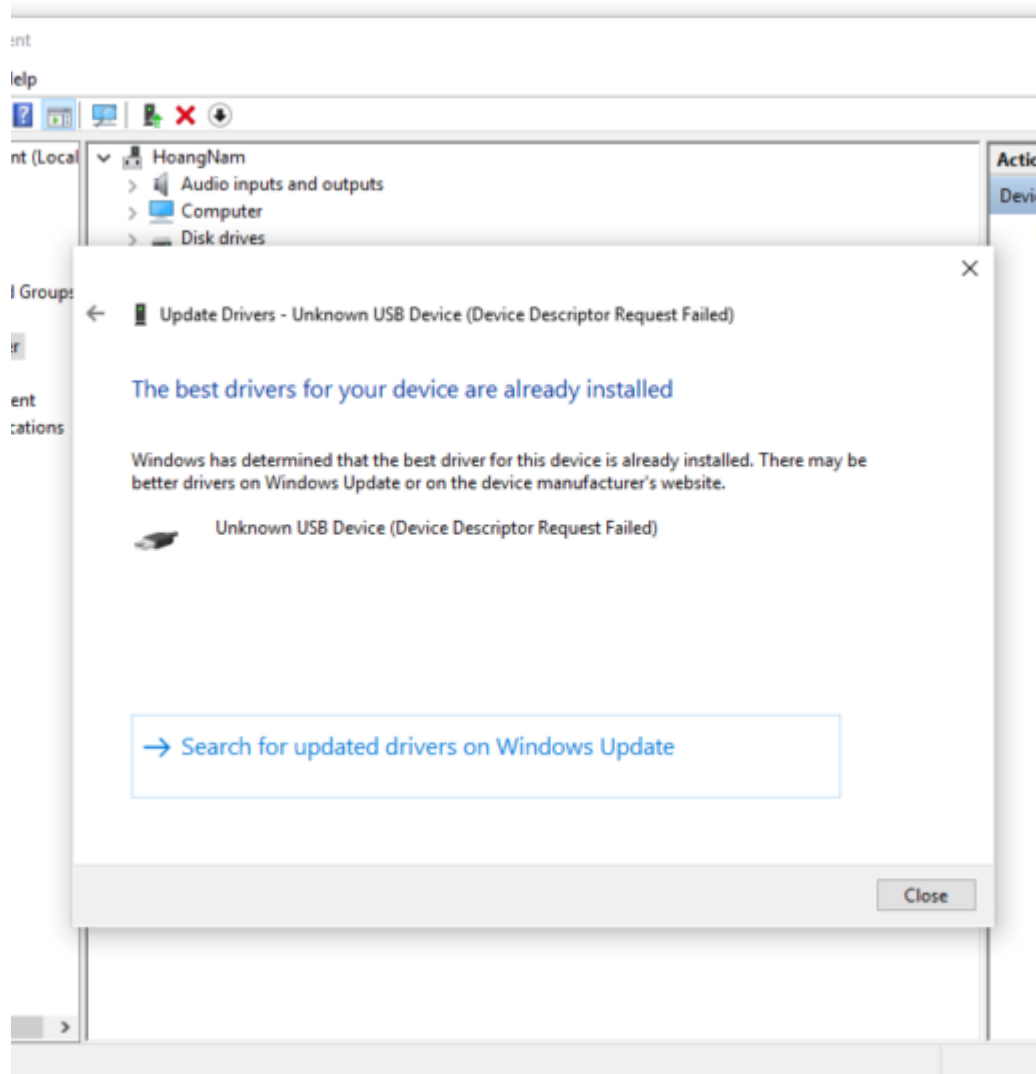
**THIRD:** Drop down “USB Serial Bus Controller”, Select “Unknown USB Device”, Right click and then click on “Update driver”



#### FOURTH: Select “Search Automatically for Updated Driver Software”



**FIFTH:** Remove the Krypton USB Cable and reconnect it, If yellow sign disappears, you are good to go, else follow next step.



**SIXTH:** Drop down “USB Serial Bus Controller”, Select “Unknown USB Device”, Right click and then click on “Uninstall device”, confirm and click on “OK/Uninstall”. Remove the Krypton USB Cable and reconnect it, If yellow sign disappears, you are good to go.

