

## Cannot SSH Raspberry Pi Zero W on Windows via USB

Asked 4 years, 1 month ago Modified 1 year, 1 month ago Viewed 5k times



I am using Raspberry Pi for the first time. I did the conventional setup that most people mentioned. This includes

- 2 1.Flashing Raspbian onto a SD card
  - 2. Edit Config/cmdline files and add an ssh file (without an extension)
- 3. Download Bonjour
- 4. Load SD Card into the Raspberry Pi
  - 5. Connect via USB and SSH host raspberry.local

The result is the error that the connection does not exist. I tried pinging from cmd but I got the same result.

I am not sure what the error could be. Something interesting I noticed is that the ssh file keeps disappearing after I boot up the raspberry pi. Is this normal?

networking usb ssh pi-zero pi-zero-w

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asked Sep 26, 2018 at 13:21



Are you plugged into the correct µUSB port? Only the one closer to the center of the board works for this. – evildemonic Sep 26, 2018 at 15:06

Reset Portect aby

Date modified (newest first)



I have crawled a lot of forums with the solution below. The main issue encountered in Windows 10 is that, the raspi zero maybe identified as USB COM port device. We have to install a **RNDIS driver** instead of the auto-installed USB serial port driver.

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0. Download RNDIS driver from here : RNDIS driver, originated from here



• unzip the file and put them in a [folder1]



- 1. Open Device Manager, scroll to Ports (COM&LPT)
- 2. Do this step if you do not know which com port your raspi zero is on
- Unplug and replug your raspi w
- 3. Right click the "COM PORT X" and select "Update Driver Software".
- Browse my computer for driver software
- Select the path of [folder1]
- Install the driver
- 4. After successful installation, the "com port" device will be treated as "USB Ethernet/RNDIS gadget"
- 5. You can now ping raspberrypi.local
- So is ssh, if you have completed all procedures for USB-TO-OTG

Sources from <a href="https://www.factoryforward.com/pi-zero-w-headless-setup-windows10-rndis-driver-issue-resolved">https://www.factoryforward.com/pi-zero-w-headless-setup-windows10-rndis-driver-issue-resolved</a>

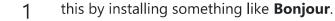
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answered Sep 24, 2021 at 16:56





It might happen that windows has no proper mDNS client. This might cause that raspberrypi.local is not registered. You can resolve





Check the adafruit guide on zeroconf networking for further information.

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edited Jul 31, 2019 at 8:07

answered Jul 30, 2019 at 13:46





You may wanna read this Raspberry Pi Zero W Headless setup – Windows 10 RNDIS Driver issue resolved tutorial and pay attention in the section on RNDIS Driver from MOD (Musical Operating Devices). Most Rpi0/W installation on a Windows OS 9particularly v10) runs into some sort of problem and can be simply resolved with the RNDIS Driver from MOD (Musical Operating Devices). I hope this helps.



**(1)** 

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answered Oct 3, 2018 at 17:48





It just worked after one point. I cannot remember what exactly changed but looking back the post my assumption is that I stupidly tried to ssh into raspberry.local not raspberry pi.local.





I also had other issues that made it difficult to find the raspberry pi's ip address (which I would rather ssh to) and may have contributed to the connectivity issues. This includes that ipconfig shows that the port which the raspberry pi is connected to is disconnected





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answered Oct 3, 2018 at 0:13





Here the tutorial <a href="https://cdn-learn.adafruit.com/downloads/pdf/turning-your-raspberry-pi-zero-into-a-usb-gadget.pdf">https://cdn-learn.adafruit.com/downloads/pdf/turning-your-raspberry-pi-zero-into-a-usb-gadget.pdf</a>



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answered Sep 26, 2018 at 22:40

