INSTALL AND BOOT WINDOWS 10 PRO ON RASPBERRY PI

THIS BUILD WAS DONE WITH macOS BUT THE GUIDE WORKS FOR LINUX OR PC ALSO

PART 1.....DOWNLOAD WINDOWS AND PREP THE SDCARD

macOS requires Homebrew (https://brew.sh) to install the prerequisites

1. DOWNLOAD WINDOWS 10 ARM ISO FROM MICROSOFT OR CREATE THE ISO FROM UUPs DUMPS

(IF YOUR ALREADY ON AN ARM SYSTEM THEN JUST USE THE WINDOWS MEDIA CREATION TOOL)

On MAC you can make the .iso with brew

macOS Terminal: **brew install cabextract wimlib cdrtools sidneys/homebrew/chntpw**

brew tap sidneys/homebrew

sudo bash uup_download_macos.sh

sudo bash convert.sh

ONCE YOU HAVE A Windows 10 ARMx64 .ISO   ITS ON TO THE THE NEXT STEP....

  PREP THE SD CARD BEFORE CREATING THE BOOT AND INSTALLATION PARTITIONS

(FORMAT IT FAT32 OR USE THE SD CARD TOOL FROM SDCARD.ORG AND DO A LONG OVERWRITE)

macOS Terminal: **diskutil list**

diskutil eraseDisk MS-DOS MBR /dev/disk4

IF YOU FORTMAT GPT THEN YOU CAN RECIEVE UPDATES AND HAVE THE WINDOWS RECOVERY ENVIRONMENT

IF YOU FORMAT MBR THEN ITS NO UPDATE AND NO RECOVERY

Used the Lastest version of "WOR"

DOWNLOD   HERE: https://worproject.com/

FOLLOW THE INSTRUCTIONS IN THE GUI AND CREATE THE BOOTABLE WINDOWS SDCARD.

ONCE IT COMPLETES BEFORE YOU EJECT THE SDCARD MOUNT THE "BOOT" PARTITION AS ITS HIDDEN BY DEFAULT

THE BOOT PARTITION MOUNT TOOL IS ALSO HERE: https://worproject.com/

macOS Terminal: sudo nano config.txt

ADD THESE TWO LINES for RPI 4

hdmi_enable_4kp60=1

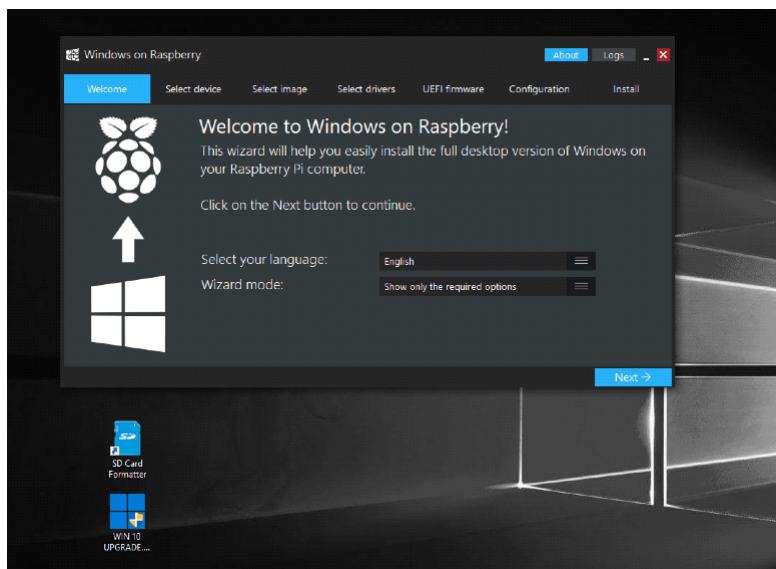display_auto_detect=1

CTRL + o

CTRL + X

THEN EJECT THE SD CARD

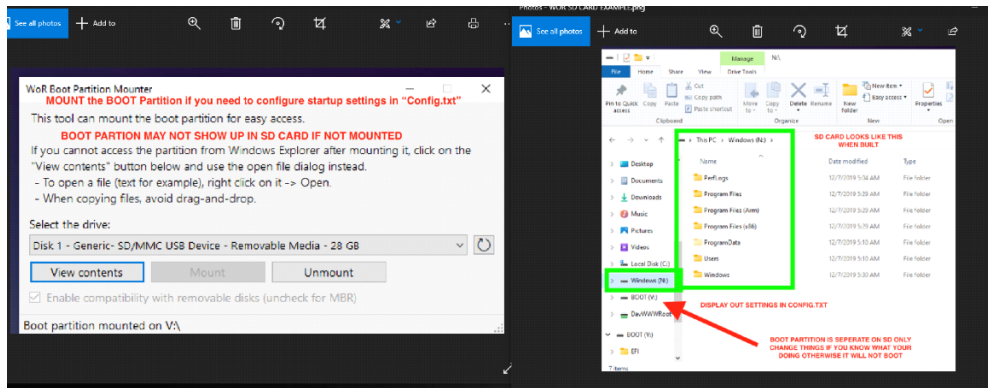DO NOT TOUCH ANY OTHER FILES IN THE BOOT PARTITION

DOING SO WILL ONLY PREVENT YOU FROM INSTALLING WINDOWS 10

USE WOR GUI TO FLASH WINDOWS ISO TO SD CARD

once it completes do not eject the card, instead mount the idden boot partition

THE BOOT PARTITION MOUNT TOOL IS ALSO HERE: https://worproject.com/

macOS Terminal: sudo nano config.txt

ADD THESE TWO LINES for RPI 4

hdmi_enable_4kp60=1

display_auto_detect=1

THIS IS WHAT THE CONFIG.TXT FILE SHOULD LOOK LIKE YOU CAN EDIT IT OR USE COMMAND LINE


```
arm_64bit=1
enable_uart=1
uart_2ndstage=1
enable_gic=1
armstub=RPI_EFI.fd
disable_commandline_tags=1
disable_overscan=1
device_tree_address=0x1f0000
device_tree_end=0x200000
dtoverlay=miniuart-bt
dtoverlay=upstream-pi4
hdmi_enable_4kp60=1
display_auto_detect=1
```

CTRL + o

CTRL + X

DO NOT TOUCH ANY OTHER FILES IN THE BOOT PARTITION

HERE IS HOW YOU ADD WIFI PRE-BOOT TO RPi IF THERES NO LAN/ETH

create this same file with your wifi info inside the quotes and drop it in the boot folder having named it.... wpa_supplicant.conf

```
ctrl_interface-DIR-/var/run/wpa_supplicant GROUP-netdev
update_config-1
country-US

network={
        ssid="Midnight Madness"
        psk-"12345678"
        key_mgmt-WPA-PSK
}
```
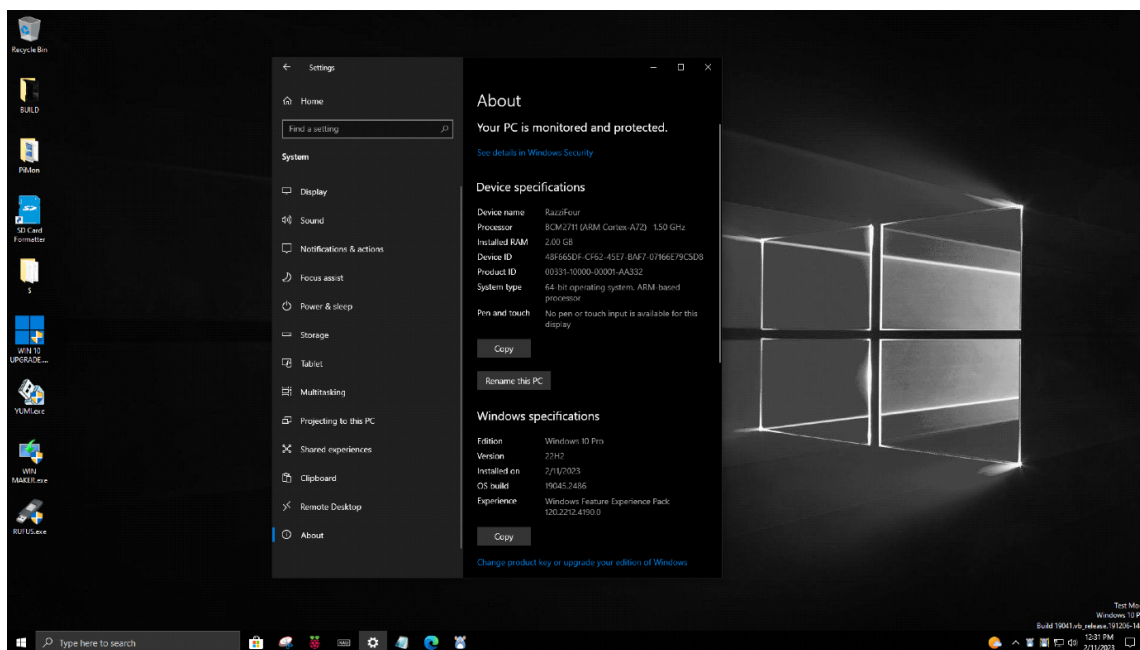
ADD THE SD CARD TO PI AND POWER IT ON, THE FIRST TIME YOU BOOT PRESSING ESCAPE SO THAT YOU   BOOT INTO UEFI BIOS.

SELECT "BOOT MAINT MANAGER" AND THEN MOVE THE SD CARD UP TO THE TOP POSITION IN THE BOOT ORDER. AND COMMIT TO CHANGES
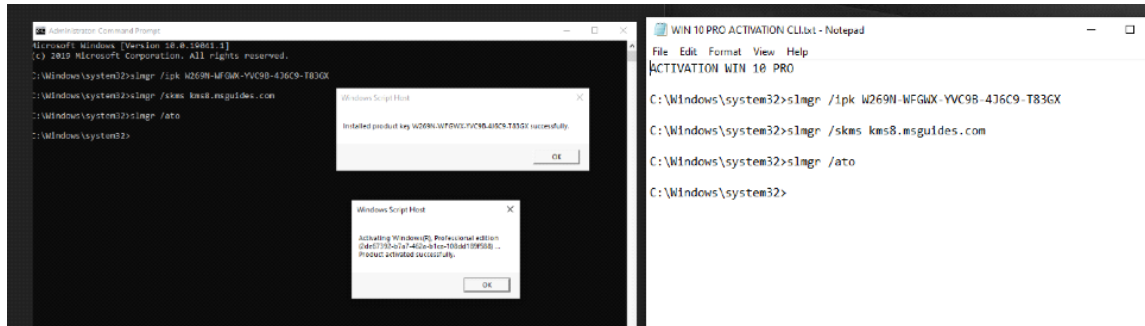
LIFT DEFAULT 3GB RAM LIMIT IN "ADVANCED PI CONFIGURATION"

ESC BACK TO FIRST SCREEN AND SELECT "BOOT MANAGER" AND ON THE VERY NEXT SCREEN PRESS [ENTER] ON THE SD CARD TO BOOT THE INSTALLATION PROCESS....

INTIALLY WINDOWS 10 WILL NOT BE ACTIVATED

IN THE SEARCH BAR TYPE "CMD" THEN RIGHT CLICK AND OPEN AS ADMINISTRATOR. YOU CAN DROP THE INCLUDED HACTIVATOR SCRIPT AND IT WILL AUTOMATICALLY ACTIVATE.

slmgr /ipk W269N-WFGWX-YVC9B-4J6C9-T83GX
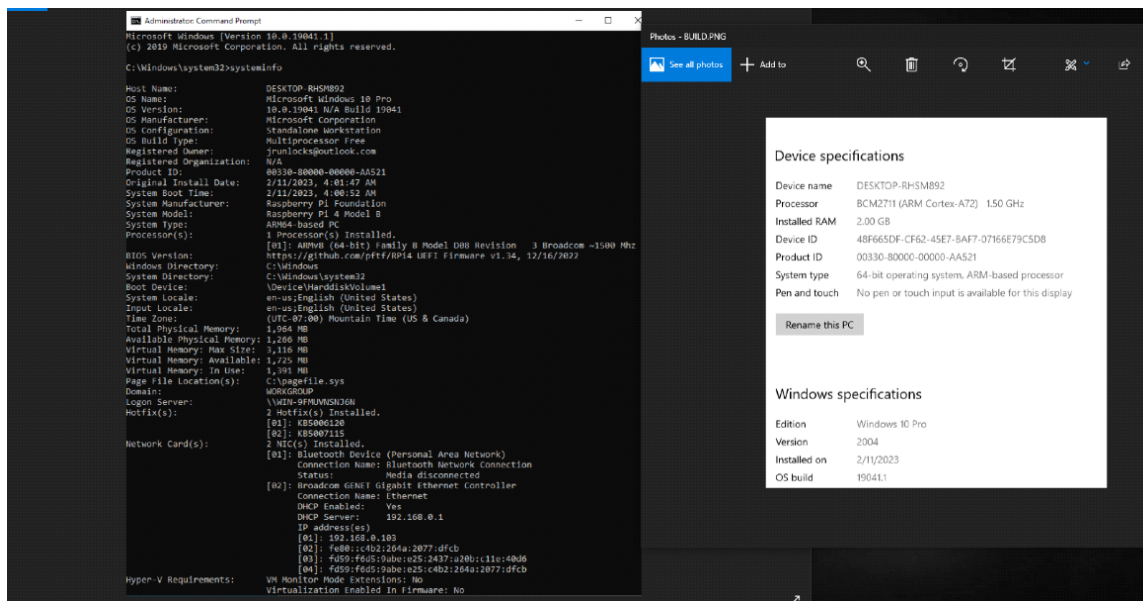
[ENTER]

slmgr /skms kms8.msguides.com

[ENTER]
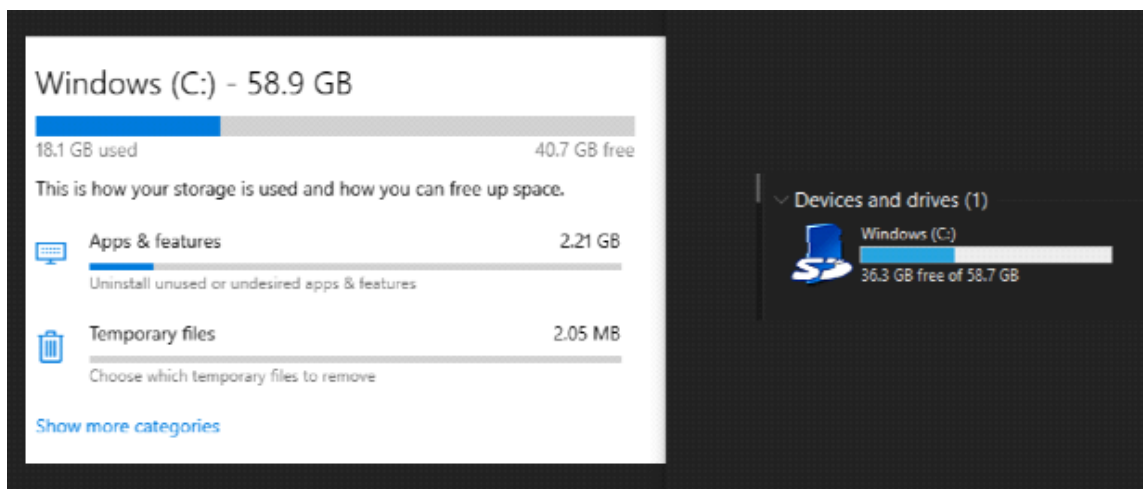
slmgr /ato

[ENTER]

[WINDOWS IS NOW ACTIVATED]

ENJOY PIRATE!!!

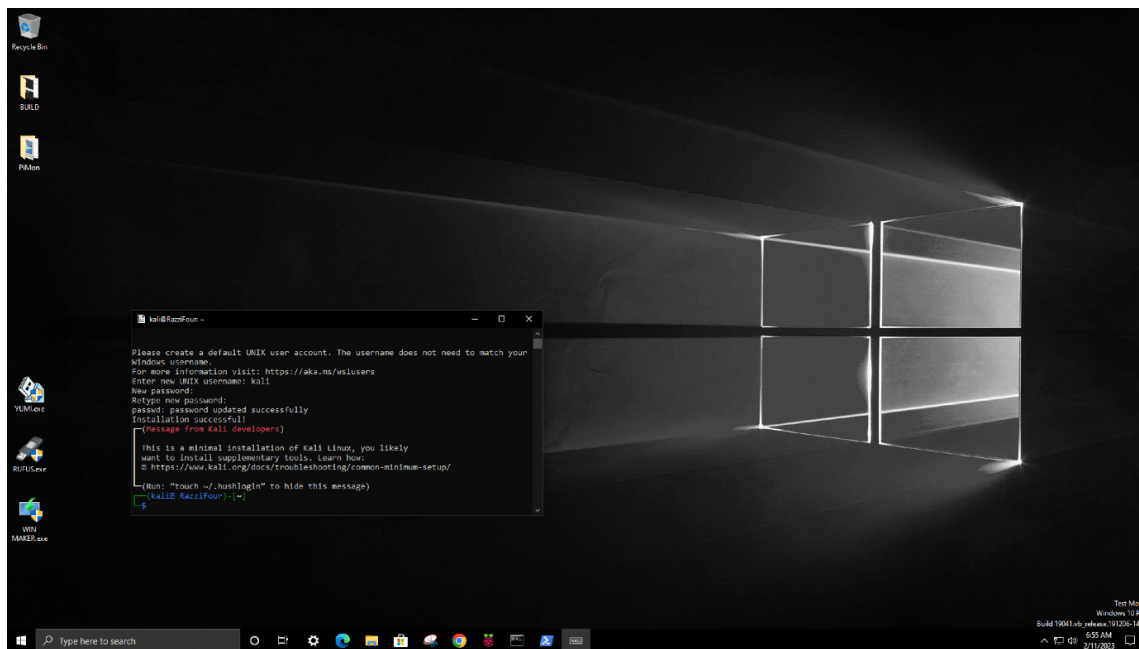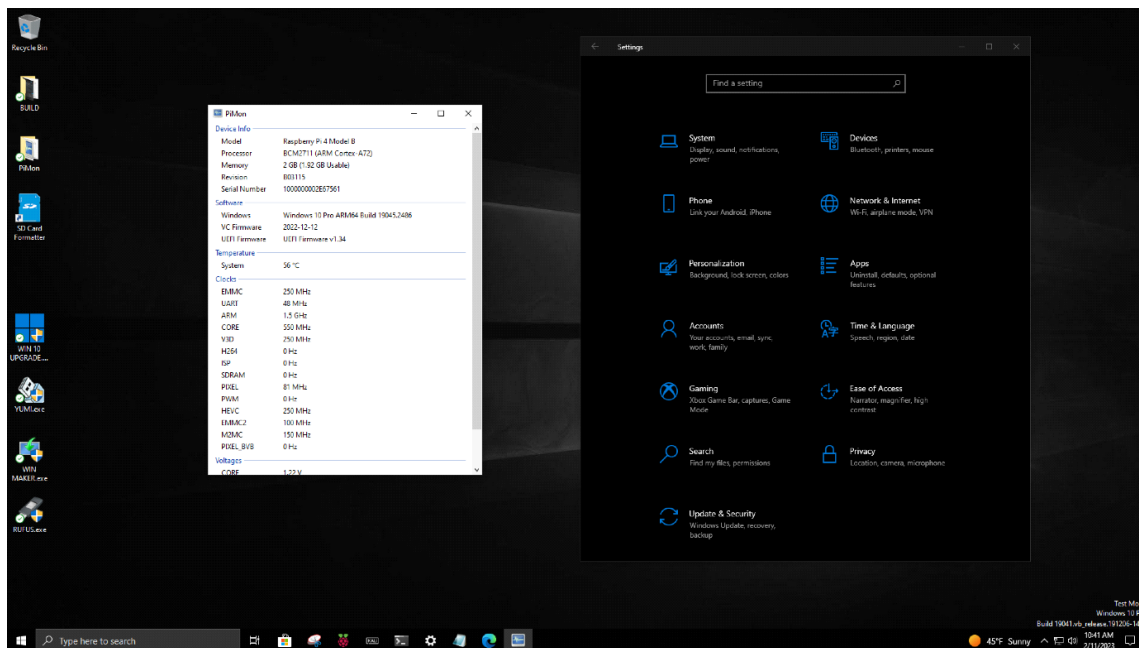**[KEY FROM EXAMPLE IS WINDOWS 10 PRO]**

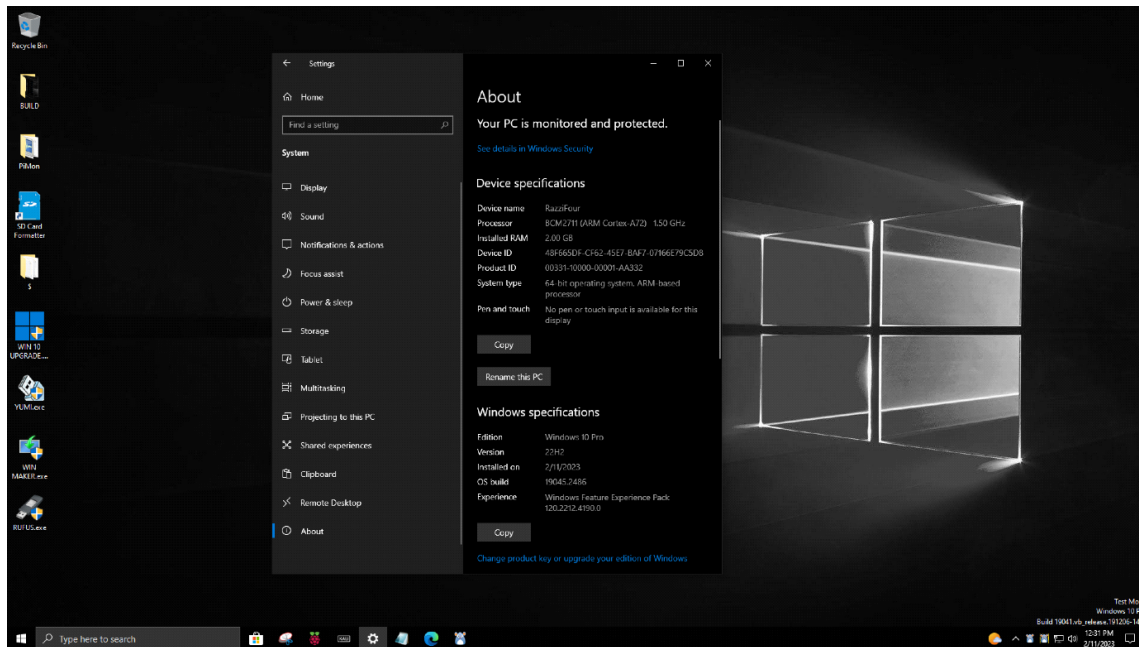**INSTALL TAKING UP JUST OVER 18GB ON THE SD**

AFTER ACTIVATION YOU CAN INSTALL UPDATES FROM MICROSOFT

WINDOWS STORE APP IS WORKING DIRECTLY OUT THE BOX...

EVEN WITH JUST 2GB RAM WINDOWS 10 OPERATES JUST FINE........

DONATIONS HELP DEVELOPERS ON FUTURE PROJECTS

CASH APP "hey siri"

$iLostmyipod

or send an email to.....

sudo-self@proton.me

TO USE THE INCLUDED ACTIVATOR JUST

- copy the .zip to your desktop

- unzip contents

- run batch file as administrator

- ENJOY!!!