Raspberry Pi 4 Usage

Step 1

We recommend that you insert the Raspberry Pi boot sd card into your windows or mac computer and do the following

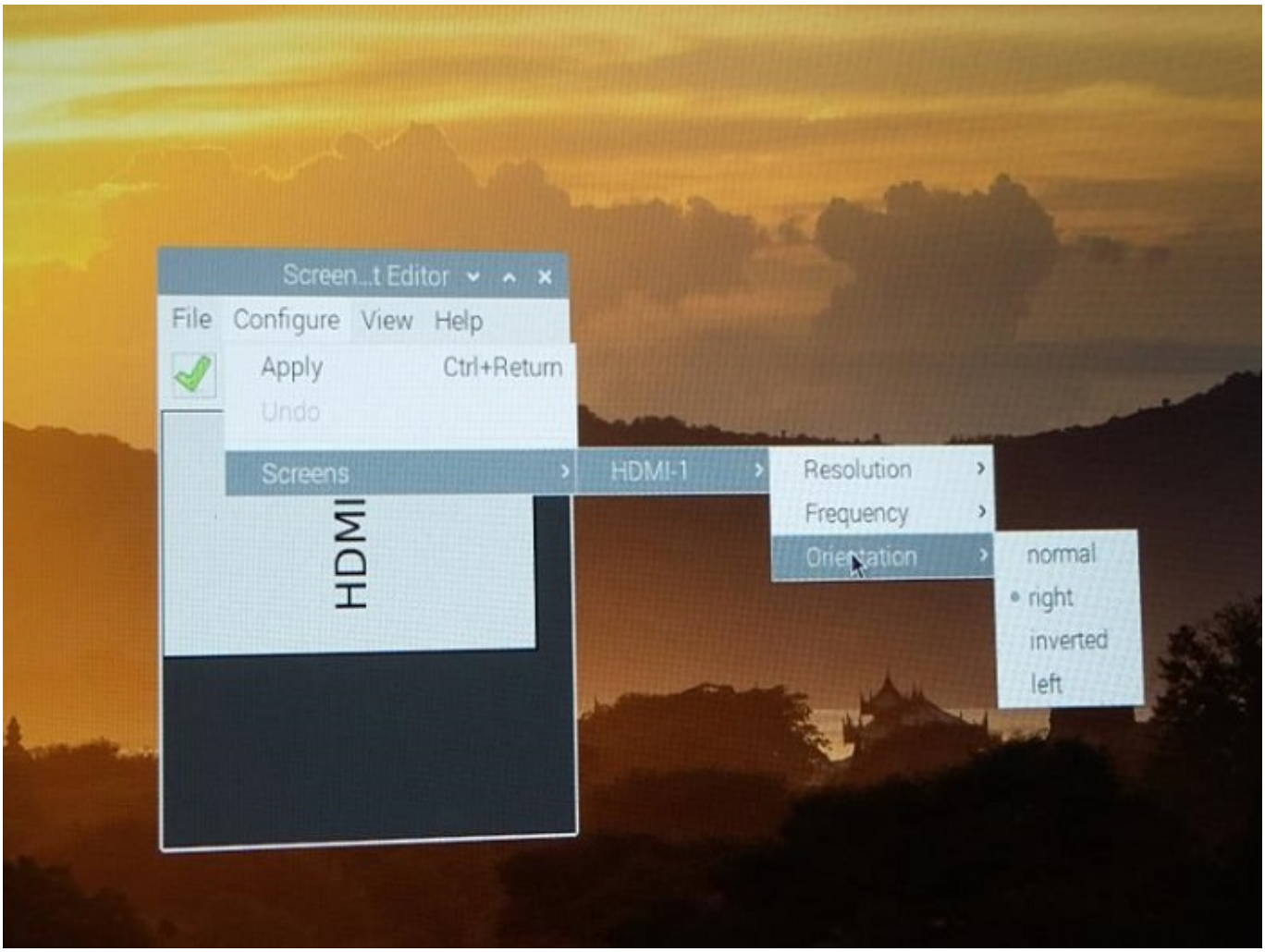
Find the `config.txt` file in the Raspberry Pi Boot directory. Use the following code to overwrite the contents of the `config.txt` file

```
# For more options and information see
# http://rpf.io/configtxt
# Some settings may impact device functionality. See link above for details

# uncomment if you get no picture on HDMI for a default "safe" mode
#hdmi_safe=1

# uncomment this if your display has a black border of unused pixels visible
# and your display can output without overscan
#disable_overscan=1

# uncomment the following to adjust overscan. Use positive numbers if console
# goes off screen, and negative if there is too much border
#overscan_left=16
#overscan_right=16
#overscan_top=16
#overscan_bottom=16

# uncomment to force a console size. By default it will be display's size minus
# overscan.
#framebuffer_width=1280
#framebuffer_height=720

# uncomment if hdmi display is not detected and composite is being output
#hdmi_force_hotplug=1

# uncomment to force a specific HDMI mode (this will force VGA)
#hdmi_group=1
#hdmi_mode=1

# uncomment to force a HDMI mode rather than DVI. This can make audio work in
# DMT (computer monitor) modes
#hdmi_drive=2

# uncomment to increase signal to HDMI, if you have interference, blanking, or
# no display
#config_hdmi_boost=4

# uncomment for composite PAL
#sdtv_mode=2
```

```
#uncomment to overclock the arm. 700 MHz is the default.
#arm_freq=800

# Uncomment some or all of these to enable the optional hardware interfaces
#dtparam=i2c_arm=on
#dtparam=i2s=on
#dtparam=spi=on

# Uncomment this to enable the lirc-rpi module
#dtoverlay=lirc-rpi

# Additional overlays and parameters are documented /boot/overlays/README

# Enable audio (loads snd_bcm2835)
dtparam=audio=on

[pi4]
# Enable DRM VC4 V3D driver on top of the dispmanx display stack
dtoverlay=vc4-fkms-v3d
max_framebuffers=2

[all]
#dtoverlay=vc4-fkms-v3d


#force_trubo=1
#gpu_freq=300
#core_freq=400
#hdmi_pixel_freq_limit=400000000
hdmi_drive=2
hdmi_group=2
hdmi_mode=87
disable_overscan=1

# 10.1 inch
hdmi_timings=1200 0 100 24 52 1920 0 65 4 25 0 0 0 60 0 169000000 0
max_framebuffer_width=1920
max_framebuffer_height=1920
display_hdmi_rotate=2
framebuffer_width=1920
framebuffer_height=1200
#
```

Step 2

Insert the boot sd card into the Raspberry Pi. After booting, follow the diagram below to set the screen display.


Screen...t Editor
File Configure View Help
Apply Ctrl+Return
Undo
Screens
HDMI-1
Resolution
Frequency
Orientation
normal
right
inverted
left
HDMI