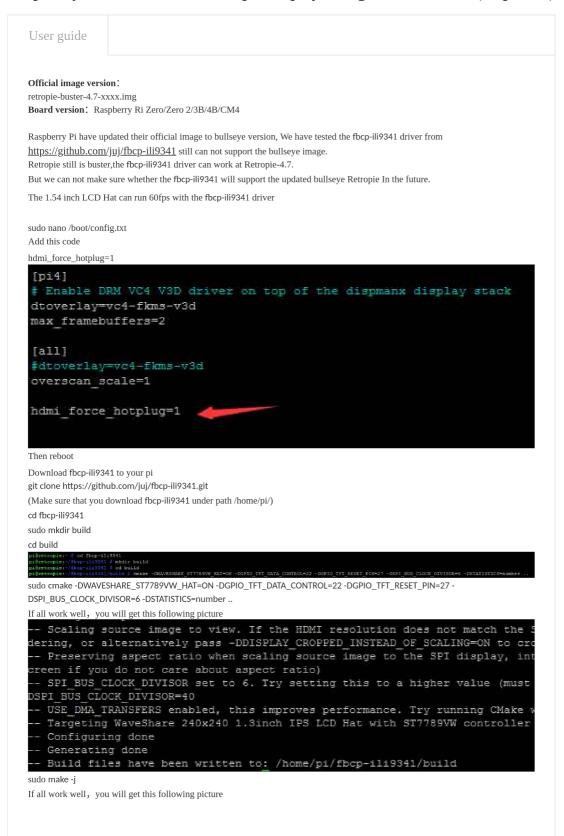


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## Raspberry Pi 1.54inch LCD-Retropie-Display configuration tutorial (fbcp-9341)





```
pi@retropie:~/fbcp-ili9341/build $ make -j
Scanning dependencies of target fbcp-ili9341
  4%] Building CXX object CMakeFiles/fbcp-ili9341.dir/display.cpp.o
  9%] Building CXX object CMakeFiles/fbcp-ili9341.dir/diff.cpp.o
 14%] Building CXX object CMakeFiles/fbcp-ili9341.dir/dma.cpp.o
 19%] Building CXX object CMakeFiles/fbcp-ili9341.dir/fbcp-ili9341.cpp.o
 23%] Building CXX object CMakeFiles/fbcp-ili9341.dir/hx8357d.cpp.o
 28%] Building CXX object CMakeFiles/fbcp-ili9341.dir/gpu.cpp.o
  42%] Building CXX object CMakeFiles/fbcp-ili9341.dir/mailbox.cpp.o
 38%] Building CXX object CMakeFiles/fbcp-ili9341.dir/ili9341.cpp.o
 47%] Building CXX object CMakeFiles/fbcp-ili9341.dir/keyboard.cpp.o
  71%] Building CXX object CMakeFiles/fbcp-ili9341.dir/mpi3501.cpp.o
 52%] Building CXX object CMakeFiles/fbcp-ili9341.dir/mem alloc.cpp.o
  57%] Building CXX object CMakeFiles/fbcp-ili9341.dir/low battery.cpp.o
  61%] Building CXX object CMakeFiles/fbcp-1119341.dir/mz61581.cpp.o
 33%] Building CXX object CMakeFiles/fbcp-ili9341.dir/ili9486.cpp.o
 66%] Building CXX object CMakeFiles/fbcp-ili9341.dir/ili9488.cpp.o
 76%] Building CXX object CMakeFiles/fbcp-ili9341.dir/spi.cpp.o
  80%] Building CXX object CMakeFiles/fbcp-ili9341.dir/st7735r.cpp.o
  95%] Building CXX object CMakeFiles/fbcp-ili9341.dir/ssdl351.cpp.o
 85%] Building CXX object CMakeFiles/fbcp-ili9341.dir/text.cpp.o
 90%] Building CXX object CMakeFiles/fbcp-ili9341.dir/statistics.cpp.o
 100%] Linking CXX executable fbcp-ili9341
[100%] Built target fbcp-ili9341
```

Run the display driver using:

sudo ./fbcp-ili9341

Then your LCD will display well, but the Fontsize is too small

Change the LCD display resolution

sudo nano /boot/config.txt

Add the following code

hdmi\_group=2

hdmi mode=1

hdmi\_mode=87

hdmi\_cvt 480 480 60 6 0 0 0

display\_rotate=0

avoid\_warnings=1

```
hdmi_force_hotplug=1
hdmi_group=2
hdmi_mode=1
hdmi_mode=87
hdmi_cvt 480 480 60 6 0 0 0
display_rotate=0
avoid_warnings=1
```

Make fbcp-ili9341 work automatically when your Pi boot sudo nano /etc/rc.local
Add the following code
sudo /home/pi/fbcp-ili9341/build/fbcp-ili9341 &











TOP

```
printf "My IP address is %s\n" "$_IP"

fi

sudo /home/pi/fbcp-ili9341/build/fbcp-ili9341 &

cxit 0

sudo reboot

After your Pi reboot, Your LCD will display well
```

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