# 

Forked https://github.com/cejasmasmas/ultibo lvgl git clone https://github.com/develone/ultibo\_lvgl.git unzipped these 2 files lv\_examples.zip\_lvgl.zip which provides the C sources. I created a script compile.sh based on compile.bat compile.sh #!/bin/bash rm -f \*.o libultiboCgeneric.a arm-none-eabi-gcc -O2 -mabi=aapcs -marm -march=armv7-a -mfpu=vfpv3-d16 \ -mfloat-abi=hard -D\_\_DYNAMIC\_REENT\_\_ -I libtess2/Include/ -c ultiboClvgl.c lvgl/src/lv\_core/ \*.c \ lvgl/src/lv\_draw/\*.c lvgl/src/lv\_font/\*.c lvgl/src/lv\_gpu/\*.c lvgl/src/lv\_hal/\*.c \ lvgl/src/lv\_misc/\*.c lvgl/src/lv\_themes/\*.c lvgl/src/lv\_widgets/\*.c \ lv\_examples/src/lv\_demo\_printer/\*.c lv\_examples/src/lv\_demo\_printer/images/\*.c \ lv examples/src/lv demo benchmark/\*.c lv examples/assets/\*.c arm-none-eabi-ar rcs libultiboClvgl.a \*.o arm-none-eabi-objdump -d libultiboClvgl.a > libultiboClvgl.txt Project needed a fix. git remote add upstream <a href="https://github.com/cejasmasmas/ultibo">https://github.com/cejasmasmas/ultibo</a> lvgl git fetch upstream git merge upstream/master git push origin master https://github.com/develone/Ultibo Projects/tree/master/ultibo lvgl git clone <a href="https://github.com/develone/Ultibo\_Projects.git">https://github.com/develone/Ultibo\_Projects.git</a> cd Ultibo\_Projects/ultibo\_lvgl unzip lv\_examples.zip unzip lv\_examples.zip ~/Ultibo\_Projects/ultibo\_lvgl/ ./compile.sh

~/Ultibo Projects/ultibo lvgl/RPi3

libultiboClvgl.a

```
File Edit Search View Source Project Run Tools Window Help
ultibolval ×
             function NonBlockingMouse(Parameter:Pointer):PtrInt;
ConsoleWindowWriteLn(WindowHandle,'');
    180
               ConsoleWindowWriteLn (WindowHandle, 'Local Address ' + IPAddress);
               SetOnMsg (@Msg);
{Create and start the HTTP Listener for our web status page}
              {Create and start the HITP Listener for our web status page;
HTTPListener:=HTTPListener.Create;
HTTPListener.Active:=True;
{Register the web status page, the "Thread List" page will allow us to see what is happening in the example}
WebStatusRegister(HTTPListener,'','',True);
{Wait a couple of seconds for C:\ drive to be ready}
ConsoleWindowWriteLn(WindowHandle, 'Waiting for drive C:\');
    185
    190
              while not DirectoryExists('C:\') do
begin
                  {Sleep for a second}
                 Sleep(1000);
    195
              end;
ConsoleWindowWriteLn(WindowHandle,'C:\ drive is ready');
              ConsoleWindowWriteLn(WindowHandle, '');
    198
   198: 1
                                               INS /home/devel/Ultibo_Projects/ultibo_lvgl/RPi3/ultibolvgl.lpr
```

### Run/Compile

```
File Edit Search View Source Project Run Tools Window Help
 ultibolvgl.lpr ×
            function NonBlockingMouse(Parameter:Pointer):PtrInt;
ConsoleWindowWriteLn(WindowHandle,'');
     180
              ConsoleWindowWriteLn (WindowHandle, 'Local Address ' + IPAddress);
             ConsoleWindowWriteLn (WindowHandle, 'Local Address ' + IPAddress);
SetOnMsg (@Msg);
{Create and start the HTTP Listener for our web status page}
HTTPListener:=THTTPListener.Create;
HTTPListener.Active:=True;
{Register the web status page, the "Thread List" page will allow us to see what
WebStatusRegister(HTTPListener,','',',True);
{Wait a couple of seconds for C:\ drive to be ready}
ConsoleWindowWriteLn(WindowHandle,'Waiting for drive C:\');
while net Dissector(Signity(U:N))
     185
     190
              while not DirectoryExists('C:\') do
               begin

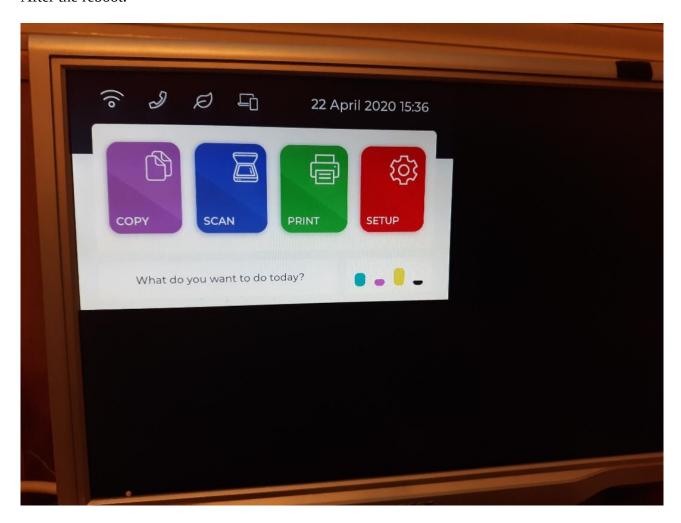
{Sleep for a second}

Sleep(1000);
     195
              ConsoleWindowWriteLn(WindowHandle, 'C:\ drive is ready');
             ConsoleWindowWriteLn(WindowHandle,''):
     198
   198: 1
                                            INS /home/devel/Ultibo_Projects/ultibo_lvgl/RPi3/ultibolvgl.lpr
 ..Compile Project, OS: ultibo, Target: ultibolygl: Success, Hints
> ultibolygl:ipr(152,27) Hint: Parameter "Parameter" not used
ultibolvgl.lpr(302,17) Hint: Conversion between ordinals and pointers is not portable
ultibolvgl.lpr(307,72) Hint: Variable "ThreadMouseHandle" does not seem to be initialized
ultibolvgl.lpr(49,2) Note: Local variable "MyPLoggingDevice" not used
ultibolygl.lpr(52,2) Note: Local variable "TCP" not used
□ultibolvgl.lpr(112,12) Hint: Local proc "getScreenPitch" is not used
□ultibolvgl.lpr(117,12) Hint: Local proc "getScreenBuffer" is not used
□ultibolvgl.lpr(122,13) Hint: Local proc "getKey" is not used
□ultibolvgl.lpr(139,12) Hint: Local proc "getScreenSize" is not used
```

Green bar compile & link successful.

tftp 192.168.1.245 < cmdstftp tftp> tftp> Sent 5044228 bytes in 27.4 seconds

#### After the reboot.



#### Remote shell

```
File Edit Tabs Help

Ultibo Core (Release: Beetroot Version: 2.0.807 Date: 3 September 2020)
(Type HELP for a list of available commands)

■
```

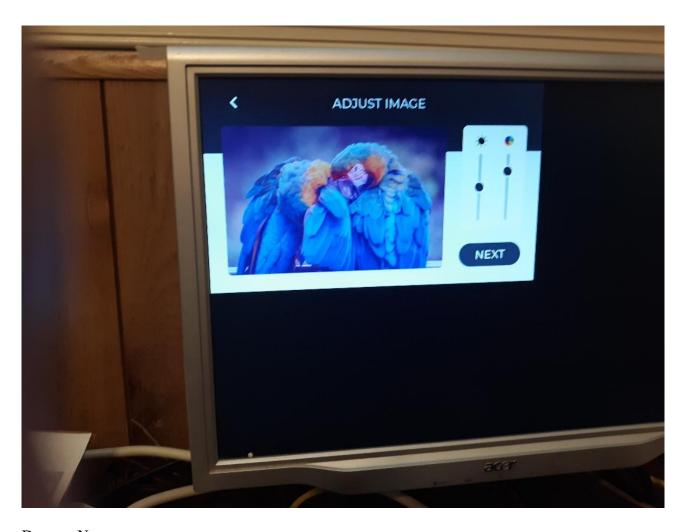
## Remote shell help

```
File Edit Tabs Help
Connected to 192.168.1.245.
Escape character is '^]'.
Ultibo Core (Release: Beetroot Version: 2.0.807 Date: 3 September 2020)
(Type HELP for a list of available commands)
Available commands:
 HELP
 INFO
 VER
 TIME
 CLS
 RESTART
 SHUTDOWN
 UPTIME
 THREAD
 MEMORY
 DEVICE
 FILESYSTEM
 CONTROLLER
 DISK
 PARTITION
 VOLUME
 DRIVE
 CACHE
 DIR
 CD
 MD
 RD
 TYPE
 COPY
 MOVE
 DEL
 REN
 ATTRIB
 TOUCH
 VOL
 LABEL
 DELTREE
 XCOPY
 UPDATE
 LOGOUT
```

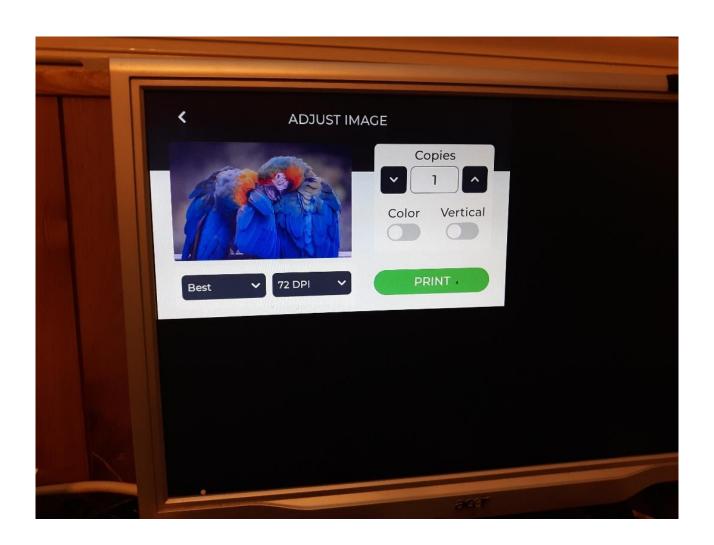
**Depress Settings** 

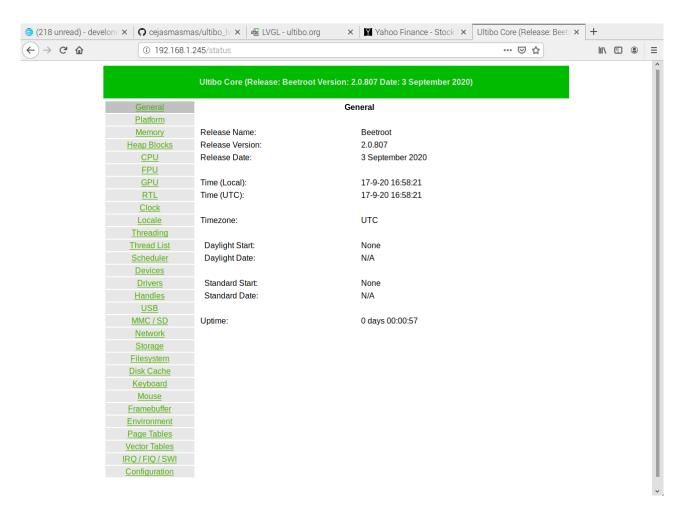


Depress Copy

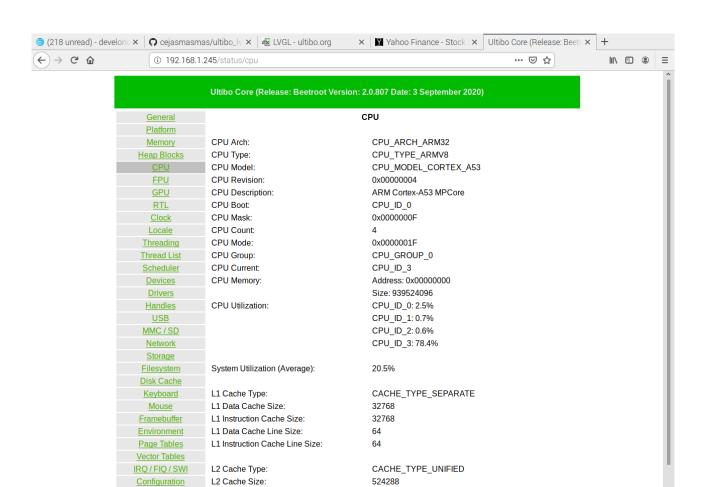


Depress Next





web cpu



L2 Cache Line Size: