

*****Draft*****

Raspberry Pico Hello World program Data Serial Transfers

11/07/21

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When the Raspberry Pico was connected to the RPi4 usb while holding the BOOTSEL switch it mount as a usb drive.

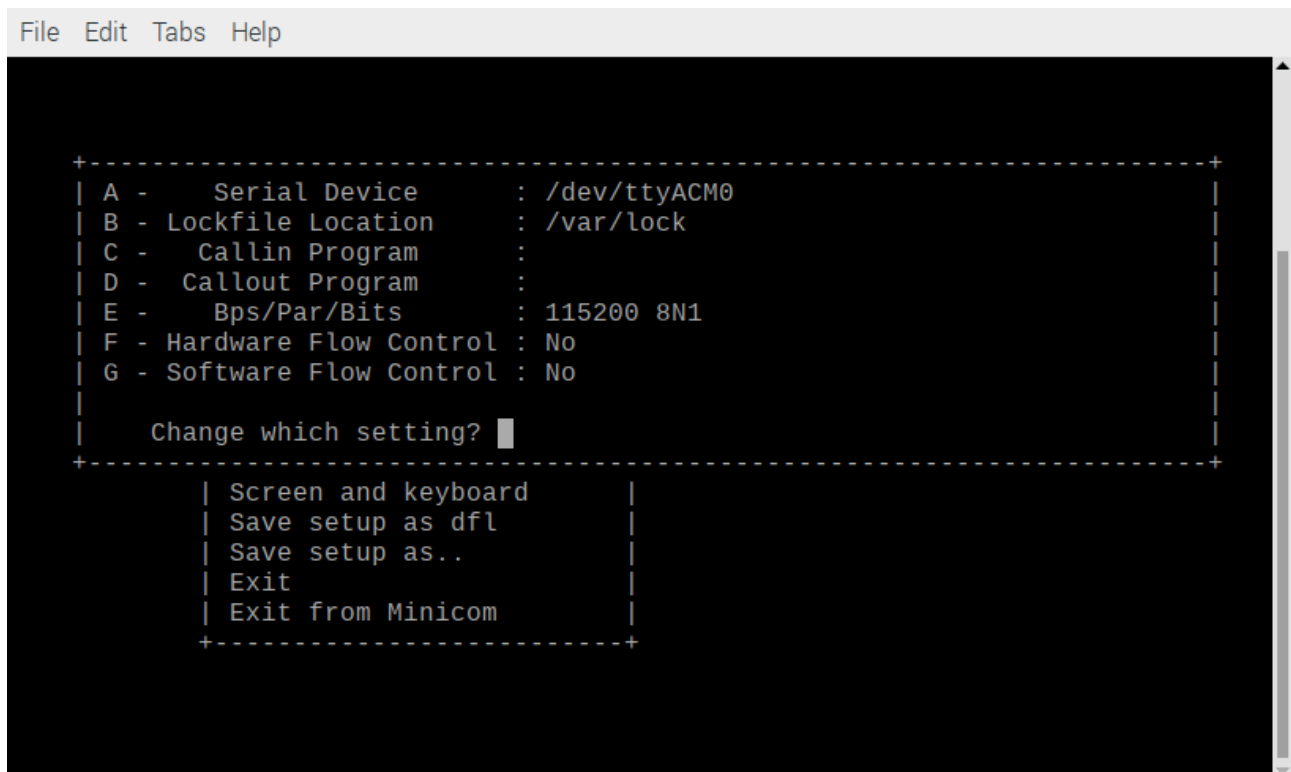
```
ls /media/devel/RPI-RP2/  
INDEX.HTM INFO_UF2.TXT
```

To compile the program and create the hello_usb.uf2 requires the Raspberry Pico SDK.
<https://www.youtube.com/watch?v=UZwq3eb5My0> I used the video to installed the Raspberry Pico SDK.

```
devel@mypi3-20:/opt/pico-examples/build/hello_world/usb $ cp hello_usb.uf2 /media/devel/RPI-RP2/
```

When this copy is done the Raspberry Pico unmounts and starts running the hello_world program.

```
sudo minicom -s  
[sudo] password for devel:
```



```
File Edit Tabs Help  
  
+-----+  
| A -   Serial Device       : /dev/ttyACM0 |  
| B - Lockfile Location    : /var/lock     |  
| C -   Callin Program     :               |  
| D -   Callout Program    :               |  
| E -   Bps/Par/Bits       : 115200 8N1    |  
| F - Hardware Flow Control : No           |  
| G - Software Flow Control: No           |  
|                                     |  
|   Change which setting? █ |  
+-----+  
|                                     |  
|   Screen and keyboard   |  
|   Save setup as dfl    |  
|   Save setup as..     |  
|   Exit                 |  
|   Exit from Minicom    |  
+-----+
```

Below is the Raspberry Pico sending Hello, world! at 115000 8N1.

File Edit Tabs Help

Welcome to minicom 2.7.1

OPTIONS: I18n

Compiled on Aug 13 2017, 15:25:34.

Port /dev/ttyACM0, 13:04:54

Press CTRL-A Z for help on special keys

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!

Hello, world!