

## CHIRP - Bug # 4461

<b>Status:</b>	Rejected	<b>Priority:</b>	Low
<b>Author:</b>	Aaron P	<b>Category:</b>	
<b>Created:</b>	01/25/2017	<b>Assignee:</b>	Aaron P
<b>Updated:</b>	03/10/2017	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Model affected:</b>	(All models)		
<b>Platform:</b>	Linux		
<b>Subject:</b>	The sort order of discovered ports is annoying		
<b>Description</b>	<p>At least on Ubuntu, there are lots of /dev/ttyS* ports that show up at all times. When selecting a port to transfer to/from a radio it would be nice if these weren't in the way, making me scroll to the end of the list every time to select /dev/USB*</p> <p>I propose to sort the discovered ports with /dev/ttyS* at the end rather than the middle.</p>		

### History

#### #1 - 03/10/2017 12:56 pm - Aaron P

- Status changed from New to Rejected

Closing this.

The issue I had, which appears to be unique to me, at least at the moment, is I have several radios that enumerate as different devices. Every time I use chirp I have to change the selected device and that means scrolling all the way to the end of the list for /dev/ttyU\*

There was some chat on IRC about this. We couldn't agree on an elegant solution. I have the following patched in platform.py and it works for me, but the concern is that a broken sort order might confuse users.

```
def list_serial_ports(self):
    """Return a list of OS files matching known patterns.
```

```
    Each pattern is expanded and sorted, then appended
    to the result. The primary point being to show ttyUSB*
    before the huge list of ttyS*
    """
```

```
    ports = [
        "/dev/ttyACM*",
        "/dev/ttyAMA*",
        "/dev/cu.*",
        "/dev/cua0*",
        "/dev/cuaU*",
        "/dev/term/*",
        "/dev/tty.KeySerial*",
        "/dev/ttyUSB*",
        "/dev/ttyS*"]
```

```
    available_ports = []
    for port_pattern in ports:
        for port in natural_sorted(glob.glob(port_pattern)):
            available_ports.append(port)
```

return available\_ports