

GNU/Linux Administration - Support #915

Adding Bluetooth Support to Non-Standard Linux on STCK1A8LFC

01/07/2018 04:31 PM - Daniel Curtis

| | | | |
|------------------------|---------------|------------------------|------------|
| Status: | Closed | Start date: | 01/07/2018 |
| Priority: | Normal | Due date: | |
| Assignee: | Daniel Curtis | % Done: | 100% |
| Category: | Workstation | Estimated time: | 0.50 hour |
| Target version: | Arch Linux | Spent time: | 1.50 hour |

Description

I recently installed Antergos 17.12 Linux on my Intel STCK1A8LFC Compute Stick, and while the WiFi worked out of the box the Bluetooth did not. This is a guide on getting bluetooth working on Antergos on an Intel STCK1A8LFC Compute Stick.

Prepare the Environment

- Make sure a few required packages are installed:

```
sudo pacman -S git base-devel
```

Install rtl8723bs_bt

- Clone the rtl8723bs_bt repo:

```
mkdir ~/git && cd ~/git
git clone https://github.com/lwfinger/rtl8723bs_bt.git
cd rtl8723bs_bt
```

- Make and install the bluetooth driver:

```
make
sudo make install
```

- Copy the program and helper script to /usr/local/bin:

```
sudo cp {rtk_hciattach,start_bt.sh} /usr/local/bin
```

- Edit the start_bt.sh helper script:

```
sudo vi /usr/local/bin/start_bt.sh
```

- And change the ./rtk_hciattach command to the following:

```
/usr/local/bin/rtk_hciattach -n -s 115200 $TTY rtk_h5 > hciattach.txt 2>&1 &
```

systemd unit

- Create the rtl8723bs_bt systemd unit file:

```
sudo vi /etc/systemd/system/rtl8723bs_bt.service
```

- And add the following

```
[unit]
Description=rtl8723bs_bt

[Service]
Type=oneshot
ExecStart=/usr/local/bin/start_bt.sh
RemainAfterExit=yes

[Install]
WantedBy=multi-user.target
```

- Reload the systemd daemon:

```
sudo systemctl daemon-reload
```

- Enable the rtl8723bs_bt unit at boot up:

```
sudo systemctl enable rtl8723bs_bt
```

Resources

- https://github.com/lwfinger/rtl8723bs_bt
- <https://gist.github.com/coderbyheart/434536a308cf06cef92b>

History

#1 - 01/07/2018 04:46 PM - Daniel Curtis

- Description updated
- Status changed from New to Resolved
- % Done changed from 0 to 100

#2 - 03/19/2018 08:51 PM - Daniel Curtis

- Status changed from Resolved to Closed