






 **dmikushin / brscan** Public


forked from [neicker/brscan](#)

My extended version of Brother's brscan tool for x86_64


 GPL-2.0 and 2 other licenses found


 14 stars  7 forks  Branches  Tags  Activity


 Star


 Notifications


<> **Code**


 Pull requests





 Discussions


 Actions

 Projects

 Security

 Insights

 **4 Branches**  **4 Tags**  



 Go to file

















Go to file

<> Code ▾

...

This branch is **23 commits ahead of** `neicker/brscan:master`.

 **dmikushin** Adding error message 652e028 · 3 years ago 

 brsaneconfig	Let autoconf handle libusb ...	8 years ago
 cmake	Adding CMake build system	3 years ago
 data	Adding SCP-1510 into the i...	5 years ago
 include/sane	Let autoconf handle libusb ...	8 years ago
 libbrcolm	Adding -f into ln -s, in orde...	5 years ago
 libbrscandec	Simplifying loops	5 years ago
 libsane-brother	Workarounding missing DC...	3 years ago
 m4	Start to autotoolize the buil...	8 years ago
 scripts	Start to autotoolize the buil...	8 years ago
 .gitignore	Start to autotoolize the buil...	8 years ago
 CMakeLists.txt	Adding CMake build system	3 years ago
 Copying	Vendor version 0.2.4	8 years ago
 Makefile.am	Rename backend_brscan to...	8 years ago
 Makefile.in	Let autoconf handle libusb ...	8 years ago
 README.md	Adding error message	3 years ago
 aclocal.m4	Start to autotoolize the buil...	8 years ago

https://github.com/dmikushin/brscan

1/4

 brscan.spec	Let autoconf handle libusb ...	8 years ago
 common.am	Move all data to \$(datadir)/...	8 years ago
 configure	Let autoconf handle libusb ...	8 years ago
 configure.ac	Let autoconf handle libusb ...	8 years ago
 copying.brother	Flatten directory tree	8 years ago
 copying.lib	Flatten directory tree	8 years ago

 **README**  GPL-2.0 license  License  LGPL-2.1 license



This repository contains Brother scanner backends for `libsane`, which are also tested to work on Raspberry Pi. The source code originates from the Brother [download page](#) and has been significantly cleaned.

As Brother does not ship ARM binaries, they could be compiled using the instructions below. The resulting `/usr/lib/sane/libsane-brother.so` has been tested on NanoPi Neo2, and should work on other boards, such as Raspberry Pi. **The required `libbrscandec.so.1.0.0` is currently missing for non-x86_64 platforms, and is currently being worked on.**

Prerequisites

```
sudo apt install libsane-dev libusb-dev libncurses5-dev pkg-config
```



Building & Installing

```
mkdir build
cd build
cmake -DCMAKE_INSTALL_PREFIX=/usr ..
make -j4
sudo make install
sudo sh -c "echo brother >> /etc/sane.d/dll.conf"
```



Testing

Add udev rule for your printer (use the appropriate ID) and reboot:

```
lsusb | grep Brother
Bus 005 Device 005: ID 04f9:02d0 Brother Industries, Ltd
```



```
cat /etc/udev/rules.d/60-libsane.rules
# Brother scanners
SUBSYSTEM=="usb", ENV{DEVTYPE}=="usb_device", ATTRS{idVendor}=="04f9",
ATTRS{idProduct}=="02d0", GROUP="lp", ENV{libsane_matched}="yes",
MODE="0666"
```

Ensure the udev device has `rw` permissions (reboot might be needed):

```
ls -l /dev/bus/usb/00* | grep -C 3 lp
/dev/bus/usb/004:
total 0
crw-rw-r-- 1 root root 189, 384 Feb  7 20:56 001
crw-rw-rw- 1 root lp   189, 385 Feb  7 20:59 002
```

Ensure the Brother backend is loaded, and the scanner is detected:

```
SANE_DEBUG_DLL=5 scanimage -L
[dll] add_backend: adding backend `brother'
[dll] load: searching backend `brother' in `/usr/lib/aarch64-linux-
gnu/sane:/usr/lib/sane'
[dll] load: trying to load `/usr/lib/aarch64-linux-gnu/sane/libsane-
brother.so.1'
[dll] load: couldn't open `/usr/lib/aarch64-linux-gnu/sane/libsane-
brother.so.1' (No such file or directory)
[dll] load: trying to load `/usr/lib/sane/libsane-brother.so.1'
[dll] load: dlopen()ing `/usr/lib/sane/libsane-brother.so.1'
[dll] init: initializing backend `brother'
[dll] init: backend `brother' is version 1.0.1
[dll] sane_exit: calling backend `brother's exit function
device `brother:bus5;dev1' is a Brother DCP-1510 USB scanner
```

Testing

```
scanimage -T
```

Bugs

For DCP1510 `QueryScannerInfo()` is failing during `sane_brother_start()`:

```
scanimage: sane_start: Invalid argument
```

Releases

 4 tags

Packages

No packages published

Languages

