Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-mustek_usb.5'

$ man sane-mustek_usb.5

sane-mustek_usb(5)   SANE Scanner Access Now Easy   sane-mustek_usb(5)

NAME

    sane-mustek_usb - SANE backend for Mustek USB flatbed scanners

DESCRIPTION

    The sane-mustek_usb library implements a SANE (Scanner Access Now Easy) backend that pro?

    vides access to Mustek USB flatbed scanners (including a clone from Trust).   At present,

    the following scanners are known to work more or less with this backend:

        Mustek 600 CU

        Mustek 1200 UB

        Mustek 1200 CU

        Mustek 1200 CU Plus

        Trust Compact Scan USB 19200

    More   details   can   be   found   on   the   Mustek   USB   backend   homepage

    http://www.meier-geinitz.de/sane/mustek_usb-backend/.

    The Mustek BearPaw 1200 and 2400 scanners are supported by the plustek backend. See

    sane-plustek(5) for details. The Mustek BearPaw 1200F is supported by the MA-1509 backend.

    See sane-ma1509(5) for details. Other Mustek USB scanners are supported by the gt68xx

    backend, see sane-gt68xx(5).

This backend can only work with scanners that are already detected by the operating sys‐

tem. See sane-usb(5) for details.

If you own a Mustek (or Trust) scanner other than the ones listed above that works with

this backend, please let me know this by sending the scanner's exact model name and the

USB vendor and device ids (e.g. from /proc/bus/usb/devices or syslog) to me.

DEVICE NAMES

This backend expects device names of the form:

    special

Where special is a path-name for the special device that corresponds to a USB scanner.

With Linux, such a device name could be /dev/usb/scanner0 or /dev/usbscanner1, for exam‐

ple.

For FreeBSD use /dev/uscanner0.

CONFIGURATION

The contents of the mustek_usb.conf file is a list of options and device names that corre‐

spond to Mustek USB scanners. Empty lines and lines starting with a hash mark (#) are ig‐

nored. If a device name is placed in mustek_usb.conf, it must be followed by a line con‐

taining the keyword option and an option specifying the scanner type. The following op‐

tions can be used: 600cu, 1200cu, 1200cu_plus, 1200ub. For the Trust Compact Scan USB

19200 use `option 1200ub'.

Instead of using the device name, the scanner can be autodetected by usb vendor_id prod‐

uct_id statements which are already included into mustek_usb.conf. This is only supported

with Linux 2.4.8 and higher and all systems that support libsub. "vendor_id" and "prod‐

uct_id" are hexadecimal numbers that identify the scanner. If this doesn't work, a device

name and the option specifying the scanner type must be placed in mustek_usb.conf as de‐

scribed above.

The global option max_block_size can be used to limit the amount of data acquired in one turn from the USB system. It may be worth trying, if USB errors occur.

A sample configuration file is shown below:

```
# Comment
option max_block_size 1024
usb 0x055f 0x0001
/dev/usb/scanner0
option 600cu
```

The first line is ignored. The second line sets the buffer size to a maximum of 1024 bytes. The third line tries to autodetect a scanner with vendor id 0x055f and product id 0x0001 (Mustek 1200 CU). The fourth line tells the backend to attach to /dev/usb/scanner0 and the fifth line specifies that /dev/usb/scanner0 is a Mustek 600 CU.

FILES

/etc/sane.d/mustek_usb.conf

The backend configuration file (see also description of SANE_CONFIG_DIR below).

/usr/lib/x86_64-linux-gnu/sane/libsane-mustek_usb.a

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-mustek_usb.so

The shared library implementing this backend (present on systems that support dy? namic loading).

ENVIRONMENT

SANE_CONFIG_DIR

This environment variable specifies the list of directories that may contain the configuration file. On *NIX systems, the directories are separated by a colon (`:'), under OS/2, they are separated by a semi-colon (`;'). If this variable is

not set, the configuration file is searched in two default directories: first, the
current working directory (".") and then in /etc/sane.d. If the value of the envi?
ronment variable ends with the directory separator character, then the default di?
rectories are searched after the explicitly specified directories. For example,
setting SANE_CONFIG_DIR to "/tmp/config:" would result in directories tmp/config,
., and /etc/sane.d being searched (in this order).

SANE_DEBUG_MUSTEK_USB

If the library was compiled with debug support enabled, this environment variable
controls the debug level for this backend. Higher debug levels increase the ver?
bosity of the output.

Value Description

0   no output

1   print fatal errors

2   print important messages

3   print non-fatal errors and less important messages

4   print all but debugging messages

5   print high level debugging messages

6   print medium level debugging messages

7   print low level debugging messages

Example: export SANE_DEBUG_MUSTEK_USB=4

SEE ALSO

sane(7), sane-usb(5), sane-mustek(5), sane-mustek_pp(5), sane-plustek(5), sane-gt68xx(5),
sane-ma1509(5)

/usr/share/doc/libsane/mustek_usb/mustek_usb.CHANGES,

/usr/share/doc/libsane/mustek_usb/mustek_usb.TODO

http://www.meier-geinitz.de/sane/mustek_usb-backend/

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This backend is based on the Mustek 1200ub backend from Mustek, maintained by Tom Wang.

BUGS

These devices have a hardware bug: Once data is written to them, they can't be reset (tog‐

gle = DATA0). That means, any operation that tries to reset the device will result in run‐

ning into timeouts.

In earlier versions this backend failed when it was loaded the second time in some config‐

urations. The only choice was to replug the scanner in this case. The backend uses a work‐

around for that bug now but it's only tested on Linux. Reports for other operating systems

are appreciated.

More detailed bug information is available at the Mustek backend homepage
http://www.meier-geinitz.de/sane/mustek_usb-backend/.

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