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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 provides 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 system. 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/scan?ner0 or /dev/usbscanner1, for example.

For FreeBSD use /dev/uscanner0.

CONFIGURATION

The contents of the mustek_usb.conf file is a list of options and de?vice names that correspond to Mustek USB scanners.   Empty lines and lines starting with a hash mark (#) are ignored. If a device name is placed in mustek_usb.conf, it must be followed by a line containing the keyword option and an option specifying the scanner type. The following

options 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 product_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 "product_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 described 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/lib64/sane/libsane-mustek_usb.a

    The static library implementing this backend.

/usr/lib64/sane/libsane-mustek_usb.so

    The shared library implementing this backend (present on systems

    that support dynamic loading).

ENVIRONMENT

    SANE_CONFIG_DIR

        This environment variable specifies the list of directories that

        may contain the configuration file. Under UNIX, the directories

        are separated by a colon (`:'), under OS/2, they are separated

        by a semi-colon (`;'). If this variable is not set, the config?

        uration file is searched in two default directories: first, the

        current working directory (".") and then in /etc/sane.d. If the

        value of the environment variable ends with the directory sepa?

        rator character, then the default directories 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 en?

        vironment variable controls the debug level for this backend.

        Higher debug levels increase the verbosity 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-plus?

tek(5), sane-gt68xx(5), sane-ma1509(5)

/usr/share/doc/sane-backends/mustek_usb/mustek_usb.CHANGES,

/usr/share/doc/sane-backends/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, main?

tained by Tom Wang.

BUGS

These devices have a hardware bug: Once data is written to them, they

can't be reset (toggle = DATA0). That means, any operation that tries

to reset the device will result in running into timeouts.

In earlier versions this backend failed when it was loaded the second

time in some configurations. The only choice was to replug the scanner

in this case. The backend uses a workaround for that bug now but it's

only tested on Linux. Reports for other operating systems are appreci?

ated.

More detailed bug information is available at the Mustek backend home?

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