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

*$ man sane-artec.5*

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

NAME

   sane-artec - SANE backend for Artec flatbed scanners

DESCRIPTION

   The  sane-artec  library implements a SANE (Scanner Access Now Easy) backend that provides

   access to Artec/Ultima SCSI flatbed scanners.  At  present,  the  following  scanners  are

   known to work at least partially with this backend:

      * Artec A6000C

      * Artec A6000C PLUS

      * Artec ViewStation AT3

      * BlackWidow BW4800SP (rebadged Artec AT3)

      * Artec ViewStation AT6

      * Artec ViewStation AT12

      * Artec AM12S

      * Plustek 19200S (rebadged Artec AM12S)

   Although  this  manual page is generally updated with each release, up-to-date information

   on new releases and extraneous helpful hints are  available  from  the  backend  homepage:

   http://www4.infi.net/~cpinkham/sane.

CONFIGURATION

   The  contents  of  the artec.conf file are a list of device names that correspond to Artec

   scanners.  Empty lines and  lines  starting  with  a  hash  mark  (#)  are  ignored.   See

   sane-scsi(5) on details of what constitutes a valid device name.

   Sample file:

```
# artec.conf

#

# this is a comment.

#

# this line says search for any SCSI devices which are scanners and have

#     a vendor string of 'ULTIMA'

scsi ULTIMA

#

# the next line forces the backend to assume the next scanner found has

#     the specified vendor string (useful for testing rebadged models).

vendor ULTIMA

#

# the next line forces the backend to assume the next scanner found has

#     the specified model string (useful for testing rebadged models).

model AT3

#

# now a line that actually specifies a device.  The backend is going to

#     assume this is an Artec/Ultima AT3 because we forced the vendor and

#     model above.

/dev/scanner

#

# once we hit a scanner device line, the forced vendor and model

# string are

#     'forgotten', so the vendor and model for this next device will be

#     determined from the result of a SCSI inquiry.

/dev/sge

#
```

## SCSI ADAPTER TIPS

Some  Artec  scanners come with an included SCSI adapter.  If your scanner came with a DTC

ISA SCSI cards, you can probably use it with recent (>= 2.2.0) kernels using  the  generic

NCR5380  support.   You  must  pass  the  following  boot  argument  to  the  kernel:

"dtc3181e=0x2c0,0"

I do not have any information on the PCI SCSI adapter included with some newer Artec scan?

ners.

## FILES

/etc/sane.d/artec.conf

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

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

 The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-artec.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_ARTEC

 If the library was compiled with debug support enabled, this  environment  variable

 controls  the debug level for this backend. E.g., a value of 128 requests all debug

 output to be printed. Smaller levels reduce verbosity: SANE_DEBUG_ARTEC values:

 Number  Remark

  0  print important errors

  1  print errors

  2  print sense

  3  print warnings

  4  print scanner-inquiry

  5  print information

  6  print less important information

  7  print major called procedures

8       print all called procedures

9       print procedure info/data messages

10      print called sane-init-routines

11      print called sane-procedures

12      print sane infos

13      print sane option-control messages

50      print verbose data/debug messages

== 100  print software RGB calibration data

== 101  print raw data from scanner to artec.data.raw file

== 128  print out all messages

Example: export SANE_DEBUG_ARTEC=13

BUGS

Known bugs in this release: A6000C+ users with firmware v1.92  or  earlier  have  problems

with the backend, the cause has not been determined.  Sometimes the backend is not partic?

ularly robust, you can possibly lock up the SCSI bus (and/or machine) by  not  having  pa?

tience  enough  when  scanning.  3-channel gamma correction is not implemented and single-

channel gamma correction is not totally working on models other than the AT3.

SEE ALSO

sane(7), sane-scsi(5)

AUTHOR

Chris Pinkham <cpinkham@corp.infi.net>

                11 Jul 2008                    sane-artec(5)