NAME

pri − convert and modify PCE raw image files

SYNOPSIS

pri *[options] [input-file] [options] [output-file]*

DESCRIPTION

pri(1) is used to modify and convert PCE raw image files.

OPTIONS

-c, --cylinder *cyl1[-cyl2]*
Select a range of cylinders.

-e, --edit *what val*
For all selected tracks, set track attribute *what* to *val*. For boolean attributes, a value of 0 disables the attribute and any other value enables it. Recognized attributes are:

clock The bit clock rate.

data Initialize the track using *val*.

size Set the track size in bits.

-f, --info
Print information about the current image or the next image loaded.

-h, --head *head1[-head2]*
Select a range of heads.

-i, --input *filename*
Load an image from *filename*.

-I, --input-format *format*
Set the input file format to *format*. Valid formats are:

pbit The PBIT file format. This has been superseded by PRI.

pri The native PCE raw image file format.

tc Transcopy dump format. Support for this format is highly experimental.

-l, --list-short
List all tracks in the current image or in the next image loaded. Using this options prints one line per track.

-L, --list-long
List all tracks in the current image or in the next image loaded.

-m, --merge *filename*
Load an image from *filename* and copy all tracks that are not in the current image into the current image.

-M --merge-overwrite *filename*
Load an image from *filename* and copy all tracks into the current image. Tracks that exist in both images will be overwritten in the current image.

-o, --output *filename*
Set the output file name. Before exiting, the current image will be written to this file.

-O, --output-format *format*
Set the output file format to *format*. See the *-I* option for a list of valid formats.

-p, --operation *name [arg...]*

Perform an operation on the current image. Valid operations are:

auto-align-gcr
Automatically align Macintosh GCR tracks to the index.

comment-add *text*
Add *text* to the image comment.

comment-load *filename*
Load the image comment from file *filename*.

comment-print
Print the current image comment.

comment-save *filename*
Save the current image comment to *filename*.

comment-set *text*
Set the image comment to *text*.

decode *type filename*
Decode the image and save it as a psi sector image to *filename*. Valid decode types are:

auto Try to decode each track as mfm, fm and gcr.

fm IBM FM

gcr Apple Macintosh GCR

mfm IBM MFM

delete Delete all selected tracks.

double-step
Remove odd numbered tracks.

double-step-even
Remove even numbered tracks.

event-add *type position value*
Add a new event of type *type* at bit position *position* with value *value* on all selected tracks. The event type can be specified as a numerical value or as a type name.

event-clear
Clear all events of all types from the selected tracks.

event-del *type (@index1[-index2] | offset1[-offset2] |* **all***)*
Delete events from the selected tracks. The type can be specified as a numerical value, as a type name or as **all**. The range specifies a range of event indices as reported by **event-list**, a range of bit offsets, or **all**.

event-list *type (@index1[-index2] | offset1[-offset2] |* **all***)*
List events from the selected tracks. The type can be specified as a numerical value, as a type name or as **all**. The range specifies a range of event indices, a range of bit offsets, or **all**.

encode *type filename*
Load a psi sector image from *filename* and encode it. Valid encode types are:

auto Automatically determine the encoding for each track

fm IBM FM

gcr Apple Macintosh GCR

mfm IBM MFM

half-step
Duplicate all tracks. This is the reverse of double-step.

info Print information about the current image (same as **-f**).

mfm-align-am *what pos*
Rotate the track such that the first address mark of type *what* on the track is at bit position *pos*. Possible values for *what* are:

all All address mark types

iam Index address marks

idam ID address marks

dam Data address marks

Multiple types can be combined by joining them with a '+' or a '-' sign. For example, the type **all-iam** specifies all address mark types except index address marks.

new Create new tracks.

rotate *cnt*
Rotate all selected tracks left by *cnt* bits. If *cnt* is negative, the track is rotated right.

save *filename*
Save all selected tracks to *filename*. The contents of the tracks are written sequentially to the file.

-r, --data-rate *rate*
Set the default data rate. The default is 500000. If *rate* is greater than 1000 it is assumed to be in bits per second, otherwise it is assumed to be in kbits per seconds.

-s, --set *parameter value*
Set a parameter value. Recognized parameters are:

mfm-auto-gap3 *boolean*
Automatically set the GAP3 length. The default is true.

mfm-clock *integer*
Set the MFM clock rate (this is twice the data rate). The default is 500000, suitable for double density disks.

mfm-iam *boolean*
If false, skip the index address mark. The default is false.

mfm-gap1 *integer*
Set the GAP1 length in bytes. The default is 0.

mfm-gap3 *integer*
Set the GAP3 length in bytes. The default is 80.

mfm-gap4a *integer*
Set the GAP4A length in bytes. The default is 96.

mfm-min-size *integer*
Set the minimal sector size when decoding MFM.

mfm-track-size *integer*
Set the track size in bits.

fm-auto-gap3 *boolean*
Automatically set the GAP3 length. The default is true.

fm-clock *integer*
Set the FM clock rate (this is twice the data rate). The default is 250000, suitable for single density disks.

fm-iam *boolean*
If false, skip the index address mark. The default is false.

fm-gap1 *integer*
Set the GAP1 length in bytes. The default is 26.

fm-gap3 *integer*
Set the GAP3 length in bytes. The default is 27.

fm-gap4a *integer*
Set the GAP4A length in bytes. The default is 40.

fm-track-size *integer*
Set the track size in bits.

-t, --track *c h*
Select tracks. This is the same as using the **-c** and **-h** options.

-v, --verbose
Enable verbose operation.

-x, --invert
Invert the selection.

-z, --clear
Clear the selection.

--help Print usage information.

--version
Print version information.

SEE ALSO

pce-ibmpc(1), **pce-macplus**(1), **pce-img**(1), **psi**(1)

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