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 This has been superseded by PRI.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 pri sector image to *filename*. Valid decode types are:

        fm   IBM FM

        gcr   Apple Macintosh GCR

        mfm   IBM MFM

        mfm-fm
            IBM MFM/FM. Tracks are decoded as MFM first and if no sectors are found, they are decoded as FM.

    delete Delete all selected tracks.

    double-step
        Remove odd numbered tracks.

    double-step-even
        Remove even numbered tracks.

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

        gcr   Apple Macintosh GCR

        mfm   IBM MFM

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

    new   Create new tracks.

    rotate *bits*
        Rotate all selected tracks left by *bits* bits.

    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/FM.

mfm-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.

--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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