

Graphic mastering on CD

GZ has developed special techniques for modulating the signal in sectors of digital silence during the mastering of the CD; those techniques allow to form inscriptions, logos or images on the digital silence areas of the master and subsequently on the CD, enhancing its visual impact. The text may be readable either on the side of the label or on the opposite side. We offer two types of graphic mastering:

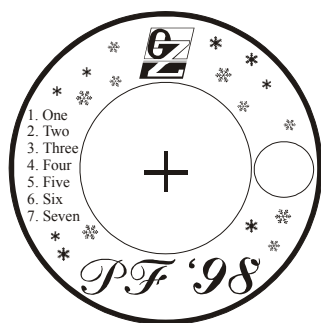
a) circular

- the text, logos and images processed in CorelDRAW 5.0 and “set up” on a rectangular area are transferred to the recording over a ring-shaped area of the same height as the rectangle (on areas larger than 7 mm a distortion is noticeable around the centre).



b) flat

- the items are drawn in CorelDRAW 5.0 at 1:1 scale and positioned on a circular ring covering unused sectors of the disk – see the table below. This image is transferred as is on the master CD.



Placing and order – technical requirements

1) Size of the graphics

For both types of graphic mastering, the available area is a circular ring with 58 mm outside radius and a height of which depends on the required length of the recording:

max. playing time [min] / [MB]	height [mm] / [points]
14:20 / 125	24.5 / 588 max.
19:20 / 170	22 / 528
23:40 / 200	20 / 480
28:10 / 245	18 / 432
35:20 / 310	15 / 360
43:10 / 375	12 / 288
48:40 / 425	10 / 240
51:30 / 450	9 / 216
54:20 / 475	8 / 192
57:20 / 500	7 / 168
60:20 / 525	6 / 144
63:20 / 555	5 / 120
66:30 / 580	4 / 96
69:40 / 610	3 / 72
72:50 / 640	2 / 48 min

2) Accepted sources for graphic mastering

Type (a)

- model of the text on paper, with an indication of the typeface (no drawings). When using a typeface other than the regular fonts, supply that typeface on a diskette.
- logo or symbol created in CoreIDRAW 5.0 or lower, or supplied as a full-scale (1:1) black-and-white 600 dpi bitmap image.
- black-and-white bitmap image (length 8000 points, height – cf. table) in a standard format: PCX, BMP or TIF.

Type (b)

- model of the text on paper, with an indication of the typeface (no drawings).
- logo or symbol created in CoreIDRAW 5.0 or lower, supplied on a diskette (or through the Internet) together with a model of the positioning
- a full-scale (1:1) black-and-white 600 dpi bitmap image in the PCX, BMP or TIF format, containing a ring-shaped artwork.

In the models, the centre should be clearly indicated.

Recommendation: for the best effect, create your artwork on a background !!!

Delivery conditions

In comparison with a standard order, orders involving graphic mastering will be delayed as follows:

- 1) material supplied electronically – bitmap or CoreIDRAW file in its final form, on a diskette or through the Internet - **1 day**
- 2) material supplied on paper, or in case editing is needed to place the artworks into the ring-shaped area - **2 days**