



VINYL RECORD SPECIFICATIONS

(2025)





1. GENERAL INFORMATION

To ensure smooth production and avoid delays or extra costs, audio materials should always be prepared in line with the specifications in this document.

Files that do not comply may require correction or, in some cases, may be rejected. Vinyl discs are manufactured in three standard diameters: 7", 10" and 12" (based on BS 7063:1989 / IEC 98:1987).

2. MASTERING AND STAMPER PRODUCTION

Our plant offers mastering services that meet the highest professional standards. The audio material is first recorded onto a lacquer disc using a Neumann AM32B cutting machine. This lacquer is then galvanised to create a metal master, which in turn is used to produce a stamper. The stamper is a precise negative of the original recording and is required for pressing the records.

Because a vinyl record has two sides, mastering always requires two lacquer discs and two stampers. It is important to note that we do not provide engravings on discs. Playback time per side is limited: exceeding the recommended duration reduces sound quality, while higher-quality recordings generally allow for less playing time. A chart of recommended maximum times for each vinyl format is provided separately in these guidelines.

TYPE	DIAMETER (in inches)	SPEED	RECOMMENDED PLAY TIME PER SIDE	COMMON USAGE
LP (Long Play)	12" (30cm)	33 RPM	19 min 30 sec	Albums
Maxi-Single	12" (30cm)	45 RPM	14 min 30 sec	Pop music, Disco
Single	7" (17cm)	45 RPM	5 min	Singles
EP (Extended Play)	7" (17cm)	33 RPM	6 min 30 sec	Singles (extended Play)

The maximum playback time of a vinyl record depends not only on its physical format but also on the character of the audio itself. Factors such as sound dynamics, frequency content, and the technical setup used in production all influence the final result.

For optimal quality, tracks with complex or demanding sound should always be placed at the beginning of each side, near the outer edge of the disc. Playback conditions gradually deteriorate as the stylus moves toward the centre, which reduces linear speed and causes a loss of high-frequency detail. For this reason, critical works are best positioned at the start of the side.



The following information must be enclosed with the master:

- the tracklist (PQ Sheet) in required sequence, including hidden and bonus tracks
- the individual play times of tracks
- > side separation (side A, side B)

The standard track-list includes the Visual Marker Track/Time - the visual breaks between tracks. If the customer does not want to place VMT, it should be marked on the Purchase Order.

NOTE! Pauses between tracks should be included in the sent files (they should be built into the material). Any interference into the material (including adding pauses, equalizing pauses) must be agreed with PYB.

If the Order Form or e-mails do not include any information about the above, the ordered material will be pressed according to the original files sent to PYB.

ATTENTION !

Please thoroughly check and label masters before sending them. The number of tracks, their sequence, titles and times must be the same in description of all components - master, label, printing parts.

-> Any claims relating to the final product, caused by errors and defects of source materials will not be considered.

-> If it is necessary that our technicians have to make any changes or improvements (regarding the sequence of tracks, skipping some tracks, compilations), please mark such options on the Order form and include the information on the label describing the master.

3. FORMATS FOR THE DELIVERY OF THE MASTER

We recommend the uncompressed files such as:

- >WAV
- > AIFF

These files allow to keep the highest audio fidelity. We also accept digital audio formats such as:

- > FLAC
- > DDP image files

We do not recommend transferring high compression files because it changes the characteristics of sound (MP3 or OGG).

The materials transferred to PYB must comply with copyright requirements. PYB ensures data security in accordance with Copyright and Related Rights Act