

Audio Specifications

Program times per side for optimal playback volume and audio quality:

Electronic, Techno, Industrial, Dance etc

33 rpm

14.30 min (up to max. 15.30 min) per side

For additional time the volume will be reduced.

Loud records need to be shorter than 12 minutes!

45 rpm

8.30 min (up to max. 10 min) per side

For additional time the volume will be reduced.

Rock, Jazz, Noise, Ambient & "other"

33 rpm

20 min (up to max. 30 min) per side

For additional time the volume will be reduced.

Please be aware: Volume reduction becomes dramatic!

Music may be lower than the actual surface noise in the groove.

45 rpm

15 min per side

If a rock record can be cut at 45 rpm, then it is paramount for more transparent upper mids and highs.

General notes

- 45 rpm is a higher resolution and there is much less high frequency loss across the diameter. Wherever short times permit we like to cut at 45rpm.
- 33 rpm is reserved for longer program sides, audio quality is great however a low amount of high frequency loss occurs in the inner diameter, therefore we influence our clients to put the less high frequency intensive tracks in inner diameter positions.
- For 33 rpm sides, it's smart to place the tracks/songs with the most high frequency energy on the outside diameter positions.
- Final note, with longer play times, it is a good rule to always have each side balanced with similar running time, if possible. This will bring consistency to any 12 inch release.