

Audio specifications

Formats and Runtimes

Format	Diameter	Rotation	Ideal playtime	Over length	Maximum playtime
7 Inch Single	17,5 cm	45 rpm	until 3:30 minutes		5 minutes
		33 ^{1/3} rpm	until 6 minutes	6 minutes	8 minutes
10 Inch Medium Play MP	25 cm	45 rpm	until 7 minutes		9 minutes
		33 ^{1/3} rpm	until 9 minutes	9 minutes	12 minutes
12 Inch Longplay LP /Maxi-Single	30 cm	45 rpm	until 9 minutes		15 minutes
		33 ^{1/3} rpm	until 15 minutes	15 minutes	25 minutes

All playtimes are estimates. They may vary depending on low-frequency signal components. Audio material with few low-frequency components (e.g. voice records) can normally be realized with longer playtimes.

Please note the following:

- The longer the playtime and the heavier the low-frequency components of the material, the quieter the cut will be.
- Playtimes over the ideal playtime may lead to a noisier vinyl record
- High frequencies on the inner area of the record will be rolled off and might distort if they are overpresent in the material
- Very loud cuttings for DJ- and Club-purposes with very loud low-frequency components (e.g. Drum & Bass) can only be realized on 12" with 45 rpm and a playtime of 8 minutes.

Track arrangement

When creating the order of the tracks for the vinyl cutting, please note that high frequencies will naturally be rolled off at the inner area of the vinyl. Tracks with loud high-frequency components which want to be preserved as much as possible will need to be cut at the start of each side.

Audio-specifications of the master

Our goal is to cut your music as naturally as possible onto vinyl. However, in addition to the creative process of mastering, there are several things to consider when creating a master suitable for vinyl cutting. Please remember that a vinyl cannot be (technically) better than the original master!

Please note the following:

- Please do not use excessive limiting/maximizing. A highly dynamic master will work the best for cutting, as the loudness of the final cut will be determined by the playtime and the low-frequency components and not the loudness of the digital master!
- The peaks of the material should not exceed -1 dBFS (True Peak).
- Excessive high frequencies may distort (especially at the inner area) and should be used conservatively. Please de-ess vocals, high-frequency pops, clicks and crackle, Hi-Hats and Cymbals and feedback noises.
- Loud instruments with loud low-frequency components (kick drum, bass guitar) should be placed in the center of the panorama. Please also pay attention to phase coherence, the left and right channel should always be at least positively correlated.

Lead-In grooves

As standard, at the beginning of each individual song, a lead-in groove with higher groove distance will be cut for optical reference. This does not have influence on the sound, and it does not create a gap between track transitions. If you do not wish lead-in grooves between individual tracks, please send us a note with your order.

Loops

It is possible to cut the groove so that a sequence will be repeated endlessly, therefore creating a loop. The sequence must have the exact length of one revolution of the vinyl. At 33 ^{1/3} rpm, this is exactly 1.8 seconds, at 45 rpm it is exactly 1 ^{1/3} seconds.

Inside-out-cut

It is possible to cut the vinyl from the inside to the outside.

Quality of the delivered master

If MY45 is not explicitly instructed with the mastering of the audio files, we consider all delivered audio masters as production-ready. We do not control the content of the files. Only the technical reproducibility will be controlled. If this control reveals that the material is not suitable for vinyl pressing, the master will be rejected, unless only minor adjustments must be made.

The provided material will be, as far as technically possible, cut as-is onto lacquer or copper master discs. Noise, interference, distortion and inadequate sound already present in the digital Masterfile will also be present in the vinyl pressing.

Every master must be controlled thoroughly by the client before providing it to us. If corrected material is provided repeatedly, the client will be charged € 25,00 + VAT per correction due to the extra effort necessary.

IMPORTANT!

Please pay attention to correct naming of the files so we know exactly which title goes where.

We only accept the audio formats WAV (*.wav) and AIFF (*.aif, *.aiff, *.aifc). The cutting of mp3-files is possible, although not recommended.

The files should have a bit-depth of 24 Bit, but at least 16 Bit. We accept sample rates up to 96 kHz.

Professional Vinyl-Mastering

If you have questions, please do not hesitate to contact us. But please understand that we cannot give you instructions for audio mastering. A professional sound studio which offers mastering for vinyl knows what to do.

In our mastering studio, we have years of experience in mastering audio for vinyl. We gladly offer you our complete know-how and experience and master your songs for the best representation on vinyl. We will gladly make you an offer.

Upload-Guide

Please upload all necessary graphics and audio files together to **my45.wetransfer.com** by following these steps:

1. Create a folder on your desktop. Name it with you catalog number, number of vinyl's and format (e.g. XYZ001_300x_12inch)
2. Copy the audio files to this folder and name them with catalog number, format, preferred speed, side A/B/C/D (e.g.: XYZ123_12inch_33rpm_SideA.wav, AB987_7inch_45rpm_SideB.aif)
3. Copy your label- and cover graphic files to the folder and name them with catalog number, format, type, and side (e.g. XY456_7inch_Label_SideA.pdf, AB123_12inch_Cover3mmSpine.jpg)
4. Add the rights declaration to the folder.
5. When you copied all necessary files to the folder, control it again for correctness and completeness.
6. Compress the folder by right-clicking on it -> send to -> zip-compressed folder.
7. Upload the created compressed folder to my45.wetransfer.com. After the upload is finished, a link will be shown. Send this link via e-mail to info@my45.de, with the catalog number as subject.

If physical sound storage media (CD, DVD, Magnetic Tape) is sent, always mark the storage medium itself (not only the cover!) with your name, address and catalog number. Storage media sent to us will not be returned.

CDs and DVDs should only be used as Data-CD/DVD. Please check back with us before sending us Audio-CDs, Magnetic Tapes, DA-Tapes or Audio Cassettes.

Please keep a backup of your production files. MY45 only archives files for as long as necessary for production and quality assurance. Files no longer needed may be deleted without further notice.