DM-3300

- Dual CD-ROM load
- 100 Min. RAM memory (expandable)
- CD-R to hard disk transfer at >25:1
- Hard disk to RAM transfer at >30:1
- Background loading
- Hard Drive Storage of approx. 98 hours stereo
- 128:1 and 160:1 Duplication Ratio (other speeds also supplied)
- UPS and Line Conditioner
- Level Control
- Copy Counter

DM-3300 DIGITAL LOOPBIN MASTER

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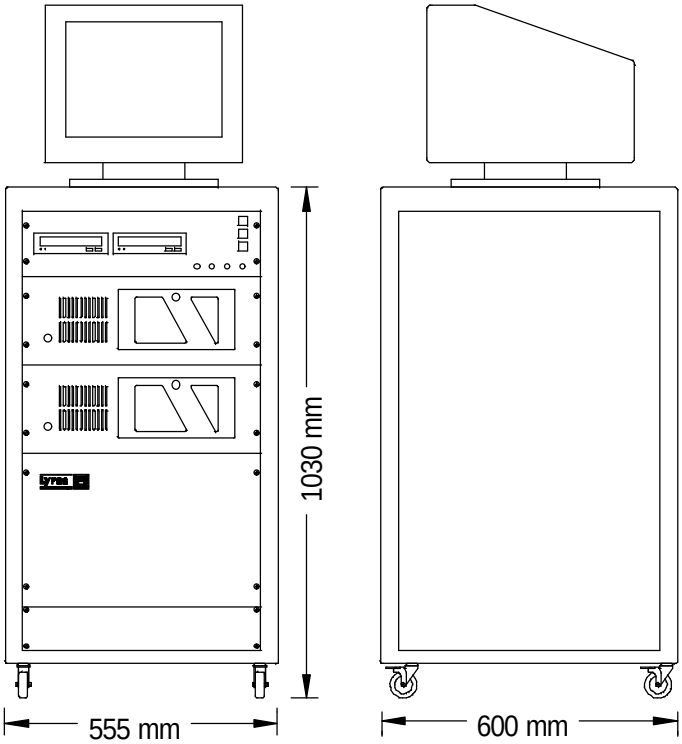
TECHNICAL SPECIFICATIONS

Specifications:

Input format	CD-ROM, yellow book specification (wave files)
Encoding	16-bit linear, stereo
Sampling frequency	44.1 kHz
Output format	Analogue four tracks at high speed
High speed outputs	1.55 Vrms at 8 dB below Full Digital Scale (FDS) Operator adjustable ± 5 dB Internally adjustable –8 to +3 dB
Frequency response	20 Hz—18 kHz ± 0.5 dB 20 Hz—20 kHz +0.5/-2 dB
THD & noise	0.03 % at 1 kHz at 8 dB below FDS
Crosstalk	< -75 dB
Stereo phase error	< 20° at 20 kHz
RAM memory	100 minutes (expandable)
Buffer hard disk	approx. 98 hours
Duplication ratios	Two, 32:1 to 160:1 (to be specified at order)
Error detection	Parity & data transfer
Memory test	Automatic at start up
Operating system	Windows NT™
Loop counter	Accumulating
Copy counter	Counts true number of usable copies
Reference level	8 dB from digital clip, FDS
Power requirements	230 Volt AC +10/-13%, 47-63 Hz, 700 VA
UPS	UPS/line conditioner included. More than 15 minutes operation at power failure
Dimensions WHD	555 × 1030 × 600 mm without monitor
Weight	115 kg

Specifications are subject to change without notice.
We reserve the right to make technical modifications without prior notice as technical progress may warrant.



The DM-3300 is a RAM-based digital loop bin master for high speed cassette duplicating systems. It receives audio programs to be duplicated on one or two CD-ROM(s) in ISO 9660 or “yellow book” format as two wave-files and stores the program on the buffer hard disk. Optionally, a network board may be installed and then program material may be received from an external computer, a server or audio workstation. Loading programs into the buffer hard disk may take place, while the bin is duplicating previous program. The transfer speed to buffer hard disk is 25 times normal playing time. The buffer hard disk will hold about 98 hours of program material, so programs, that may be needed in the future, may remain on the buffer disk, easily accessible.

From the buffer hard disk, the program is transferred to the RAM memory at approx. 30 times normal play speed. During this process, the loop bin is idle. The bin will duplicate at ratios from 32 to 160, sending the 4 tracks of high speed audio to the connected slaves. The level sent to the slaves is displayed on a bar graph display on the main screen. Four individual level controls allow adjustment of the output level by approx. +/- 5 dB.

Besides the high speed analogue audio, the DM-3300 sends control signals to the slaves. A predetermined time before the end of the loop, the DM-3300 sends a start-command to slaves, so when tape has been reloaded on a slave, it will start so early, that it will be on correct speed, when the new loop begins. The DM-3300 holds a copy counter, so the operator will always know, how many copies of the program have been made.

Three buttons or a mouse operates the DM-3300. Two of the three buttons allow the active field on the screen to move up or down and the third to select the field. With the mouse, it is possible to select any field directly. A keyboard is supplied, but not necessary to operate the DM-3300.

Special programs are provided inside the DM-3300 to simplify slave set-up. The Signal Generator offers a range of 11 frequencies from 315 Hz to 20 kHz, as well as a sweep, at operator selected levels. Tracks may be selected individually or in combination.

An Uninterruptible Power Supply (UPS) is included in the DM-3300. It ensures a clean and stable power line to the PC and RAM-section. If a power failure occurs, the UPS will keep the DM-3300 running for more than 15 minutes, eliminating the waiting time for the PC to restart and the program to be loaded. Additionally, the UPS will attenuate power line transients, reducing the risk of damage to the system.

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Lyrec Manufacturing A/S
Box 123 (Mileparken 22)
DK-2740 Skovlunde, Denmark
Tel +45 44 532 522 · Fax +45 44 535 335
www.lyrec.dk · mail@lyrec.dk