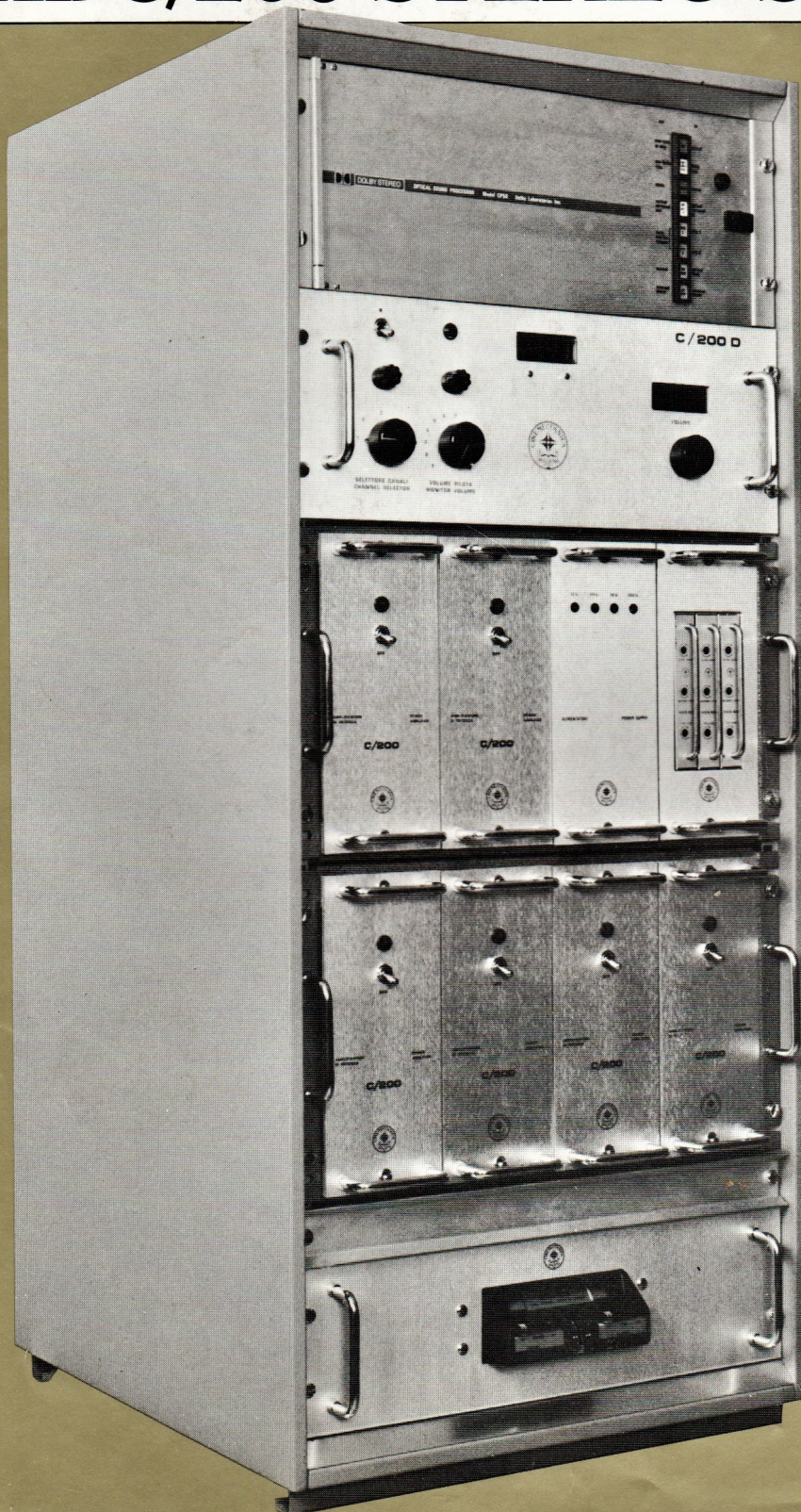


Rank Film Equipment

KDC/200 STEREO SOUND



The KDC/200 stereo optical sound system is rack mounted and has the facility to accommodate the Dolby CP50 unit. This unit provides a complete 4-track stereo film presentation package without the need for 70mm projectors or a separate magnetic soundhead. The modifications to your projectors (ie fitting the special photocell) and the adjustment of the CP50 will be carried out by your local Dolby agent and once installed, the system should not require further attention due to the high quality Cinemeccanica components which have been used.

The Dolby encoded stereo optical system is being used in an increasing number of films, due to the low production cost in comparison with the conventional magnetic system.

Versatility is Cinemeccanica

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With the advent and success of the Dolby encoded stereo optical prints for films, a need has arisen for a compact, reasonably priced audio system for use in conjunction with the Dolby CP50 unit. Cinemeccanica have now produced the KDC/200 rack for the easy installation of a complete Dolby stereo optical sound system.

The standard 4 foot rack is pre-wired for acceptance of the Dolby CP50 stereo optical de-coder (obtained from your local Dolby agent). This unit processes the signal from the stereo optical print through a special photocell which can be fitted to most makes of 35mm projector. The signal is "cleaned up" by the unique Dolby noise reduction system and split into four channels, centre, left, right and surround, and all signals are then passed to third octave equalisers to provide matched balanced reproduction through all your stage and auditorium surround speakers.

These four signals are then fed into the separate C/200 Cinemeccanica power amplifiers built into the rack, which are rated at 120 watts RMS each, providing sufficient volume for all sizes of auditorium.

These modular amplifiers are fully interchangeable and of course, the rack also houses a spare module for quick replacement in the event of an amplifier developing a fault.

Remote faders can be supplied with the rack with press button control and digital level display so that the operator can adjust the sound level from a convenient position when the rack itself is located away from the projection area.

This fader system uses standard tried and tested Cinemeccanica components for reliability and the small control box is connected to the main rack by one set of multi-way cables.

In addition to providing excellent stereo reproduction of your Dolby processed film sound tracks, the KDC/200 can also

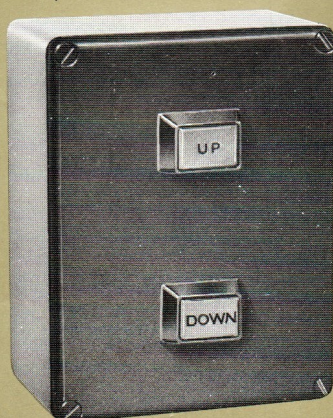
reproduce conventional mono optical prints using the centre channel only and you will find that the quality is considerably improved due to the signal being routed through the CP50 equalisation system.

The main front panel has facilities to enable the operator to monitor each channel in turn, and also incorporates a digital volume control unit.

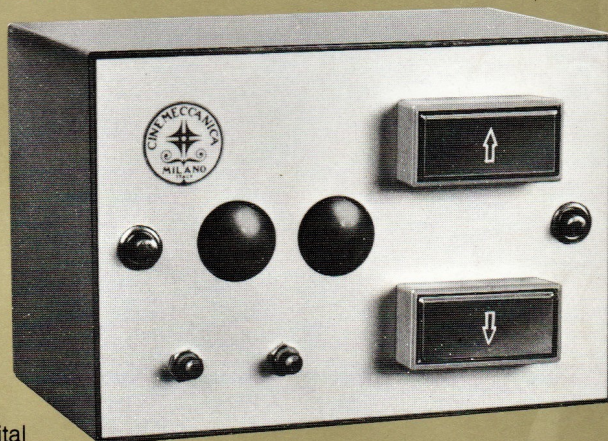
Installation costs are significantly reduced as all the electronics are housed in the rack, and the only additional wiring is to the inputs from the photocells; outputs to stage, effects and monitor speakers; connection to mains supply. If a remote volume control should be required, an additional multi-cable would also be necessary.

We are able to offer a choice of two remote volume control units depending upon customer requirements.

Digital volume control indicator box with lighted push button and non-sync on/off switching.



Remote volume control push button box.



If background interval music is required, a Stereo Auto Reverse Cassette Deck can be supplied as an optional extra. The rack is wired to enable the stereo signal to be fed to either the left and right stage speakers or effects speakers. A stereo gram input with switchable equalisation for ceramic or magnetic cartridge is also provided.

Specification

C/200 AMPLIFIER MODULES:

Line fuse	0.8A (220-240v) or 1.6A (117v) slow blow
Power consumption	200 VA max
Power output f1 KHz	
T.H.D. 1%	≥ 98w RMS
Power output f1 KHz	
T.H.D. 10%	≥ 120w RMS
T.H.D. below clipping	≤ 0.1%
Input impedance	≥ 20 KOhm
Output impedance	8 ohm
Input sensitivity	1v ± 1.5 db
Output fuse	3.15 A, slow blow
Temperature operating range	0°-45°C
Cooling	natural convection

POWER REQUIREMENTS:

110/240v 50/60Hz single phase 10 amps.

DIMENSIONS:

(including CP50 and tape cassette deck)		
Height	4 feet	(1.219m)
Width	21 ins	(0.533m)
Depth	21 ins	(0.533m)
Weight	100Kgs	(approx.)

NOISE REDUCTION:

Dolby A-type professional characteristics providing 10db of noise reduction from 30 Hz to 5KHz rising to 15db at 15KHz and above.

THEATRE EQUALIZATION:

Three equalization modules are incorporated to match the left, centre and right loudspeakers to the acoustical characteristics of the Auditorium. Each module has separate ± 10db high and low frequency adjustments for the overall theatre sound system and 27 independently adjustable ± 6db level controls for narrow band filters at 1/3 octave ISO centre frequencies from 40Hz to 16KHz.

NOISE LEVEL:

With output to power amplifiers of +2db (IV) the noise level of output is typically -60db 20Hz to 20KHz or -65db CCIR/ARM weighted, reference to Dolby level test tone of 50% modulation.

DOLBY CP50 OPTICAL SOUND PROCESSOR

SIGNAL INPUTS:

Balanced inputs from one or two projectors via the special solar cells supplied with the CP50.
Unbalanced inputs for stereo non-sync.

