

CANTOR 96

96 Channel Memory / Effects
Professional Lighting Control Desk



Main Operating Features

- **2 independent modes** (MANUAL and MEMORY).
- **Selectable** between 24 channels / 2 presets or 48 channels / 1 preset or 96 channels / 1 preset / 2 fader pages.
- **Decimal keyboard.**
- **12 play-back** submasters for memories or effects; recording of the total outputs (Sum) can be achieved in only one operation; direct access for modification of level intensities; audio modulation.
- **2 crossfade** submasters (stage and preset), manual or automatic, sequential, auto-sequence, with override of fade time; access within both submasters for level modifications.
- **Flash** : mode selection (normal /solo), 48 individual flash keys (1 per channel), 2 flash keys for preset masters A & B, 12 individual keys (1 per submaster and 1 grand master flash).
- **Special Effects** : chasers (9) and preprogrammed effects (9); 3 different profiles (cut, fade-in/fade-out, saw teeth); 3 movements (forwards, backwards and balancier); 2 modes (positive and negative); 1 audio control; 1 potentiometer for speed override (in real time).
- **Memory** : 20 banks stocking different cues for the 12 playback-submasters; up to 200 memories.
- **Patch** : no limit per channel but with a total amount of maximum 512 dimmers.
- **MID (IN - THRU - OUT)** : programmable MIDI input and output (note on/off, control change, program change).
- **Display** : 48 red LED's for actual outputs to dimmers; 48 green LED's for display when working in the "blind" mode ; 2 LCD displays (2 x 40 + 2 x 16 characters).
- **External Lines** : 8 programmable lines.
- **Library storage** : instant recording and retrieving on memory card or via PC link on 3.5" disk.
- **Menu** : mode selection, green LED's display next memory in preset; selective data for storage; softkey programming (macros); external lines programming; MIDI; peripherals (monitor, printer); colour changer function.

Reference

Desk with DMX512/1990 output **CANTOR 96 / DMX**
Supplied with :

- 1 power supply cable (2 m)
- 1 XLR 5 M plug (male) for DMX512/1990 data cable
- 1 user manual (specify language with order)

Options

- Control panel for external lines **PUP/EXT/LIN**
- Kit 2 for upgrade from CANTOR (old version) to CANTOR 96/DMX **KIT 2 / C**
- Kit 3 for upgrade from CANTOR 48/DMX to CANTOR 96/DMX **KIT 3 / C**

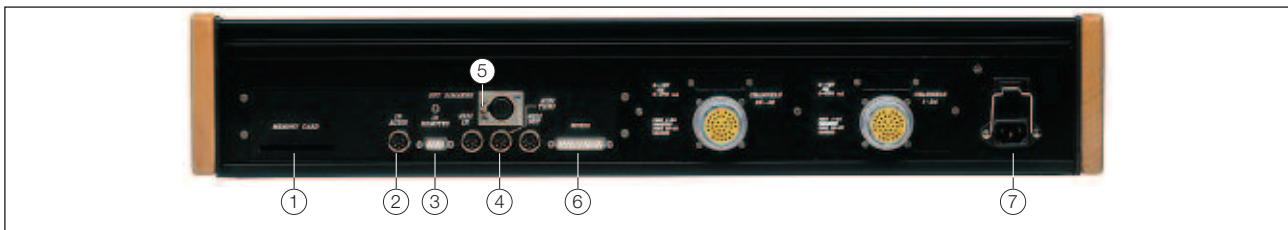
Characteristics

Power Supply : 230 V +/- 10% - 50/60 H z
Consumption : 0.3 A

Dimensions (mm)	Weight (kg)
Desk : 610 x 685 x 135 (max)	11.8
Monitor : 356 x 380 x 348	11.3

Packing (desk)

Dimensions : 760 x 700 x 230 mm
Gross Weight : 14 kg



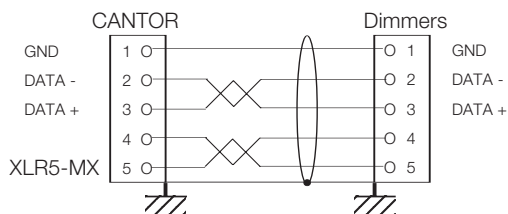
Interconnections

Digital Protocol

(DMX512/1990)

Maximum data cable length : 250 m

Cable Size : 3 x 0.34 mm² (shielded)



Audio IN

Maximum data cable length : 30 m

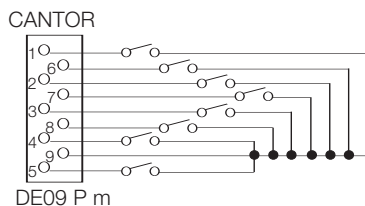
Cable Size : ... x 0.34 mm²



External Lines (8 lines- IN remote)

Maximum data cable length : 250 m

Cable Size : ... x 0.34 mm²



Connector layout

- 1. MEMORY CARD**
Insertion slot for library storage memory card.
- 2. AUDIO IN**
DIN 5 socket (5 female contacts) for audio signal input (between 10 mV and 20 V - input impedance : ± 20 kΩ).
- 3. IN REMOTE**
Auxiliary input on DE09-S socket (9 female contacts) for remote control of the programmable external lines.
- 4. MIDI (IN, THRU, OUT)**
3 DIN 5 sockets (5 female contacts) following MIDI standard.
- 5. OUT DMX512**
DMX512/1990 output on XLR5-FX socket with galvanic isolation.
- 6. EIA/RS-232**
DB25-S socket (25 female contacts) for connection to peripherals.
- 7. IN 230 V**
Two-pole switch, fuse (5 x 20 mm) and power supply socket (male type IEC 320-C14).

Accessories

- 128 K Long Life Memory Card
 - Desk Lamp
 - Flight case for CANTOR
 - Set of 2 wooden side panels
 - Dust Protection Cover
 - XLR5-M plug for DMX512/1990 data cable
 - Kit monitor, RS232, 14", colour, with cable including RS232/VGA converter
- MEMO/CARD/128K
WORKLIGHT
FLY/CANTOR
WOOD/CANTOR
HOUSSE/CANTOR**
- XLR 5 MX
KIT/MONC/C**

This equipment complies with all applicable European directives and carries a CE mark.

ADB - Your Partner for Light

ISO 9001 : 2000 certified

Belgium N.V. ADB-TTV Technologies S.A.

(Group Headquarters) Leuvensesteenweg 585, B-1930 Zaventem
Tel : 32.2.709.32.11, Fax : 32.2.709.32.80, E-Mail : adb@adblighting.com

Deutschland ADB GmbH

Boschstrasse 3, D-61239 Ober-Mörlen
Tel : 49.6002.93.933.0, Fax : 49.6002.93.933.33, E-Mail : info@adblighting.de

France ADB S.A.S.

Sales Office: 168/170, boulevard Camélinat F-92240 Malakoff
Tel : 33.1.41.17.48.50, Fax : 33.1.42.53.54.76, E-Mail : adb.fr@adblighting.com

Factory & Group Logistics Centre: Zone industrielle Rouvroy F-02100 Saint-Quentin
Tel : 33.3.23.06.35.70, Fax : 33.3.23.67.66.56, E-Mail : adb.fr@adblighting.com

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