

CANTOR 48

48 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
- **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, PC-link for off-line editing and data back-up); colour changer function.

Reference

Desk with DMX512/1990 output **CANTOR 48 / DMX**
Desk with DMX and analogue outputs **CANTOR 48 / ANA**
Supplied with :

- 1 power supply cable (2 m)
- 1 XLR 5 M plug (male) for DMX512/1990 data cable
- 2 Socapex plugs (male) for analogue data cables (only for "CANTOR/ANA" version)
- 1 user manual (specify language with order)

Options

- Analogue output kit (non-installed) 370 μ A and 0/+10 V for 48 channels **PIL48/CANTOR PUP/EXT/LIN**
- Control panel for external lines
- Kit 1 for upgrade from CANTOR (old soft) to CANTOR (new soft) **KIT 1 / C**
- 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**
- Kit PC link **KIT/PC LINK/C**
- Kit switch for RS232 for automatic selection of PC, monitor or printer **KIT/SW2/C**

Characteristics

Power Supply	: 220 - 240 V - 50 H z
Consumption	: 3.15 A

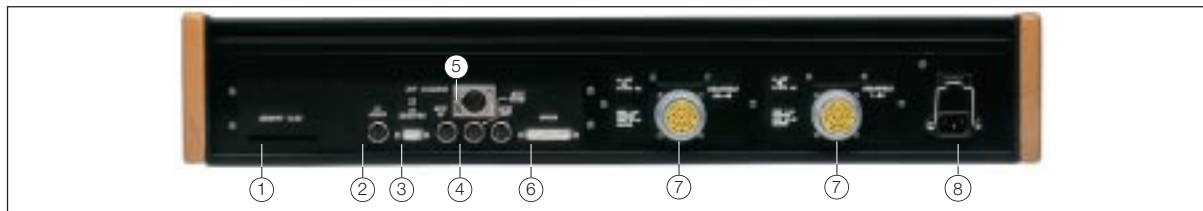
Dimensions

Length x Width	: 610 x 685 mm
Height	: 30 - 135 mm
Net Weight	: 11.8 kg

Packing

Dimensions	: 760 x 700 x 230 mm (0.122 m ³)
Gross Weight	: 14 kg

CANTOR 48



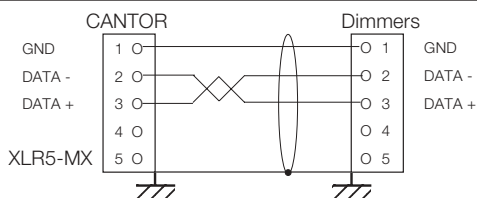
Interconnections

Digital Protocol (Out DMX 512)

(DMX 512/1990)

Maximum data cable length : 250 m

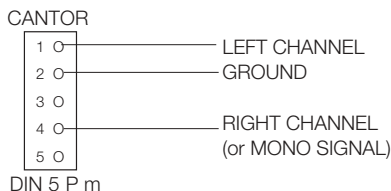
Cable Size : 3 x 0.34 mm² (shielded)



Audio IN

Maximum data cable length : 30 m

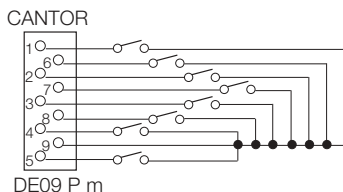
Cable Size : ... x 0.34 mm²



External Lines (8 lines- IN remote)

Maximum data cable length : 250 m

Cable Size : ... x 0.34 mm²



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

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 : $\pm 20 \text{ k}\Omega$)

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. RS232

DB25-S socket (25 female contacts) for connection to peripherals.

7. OUT PIL 0 - 10 V or 370 μA

Two SOCAPEX sockets for analogue output signal (option)

- first socket is used for dimmers 1 to 30
 - contacts 1 to 30 : dimmers 1 to 30
 - contacts 35 to 37 : 0 V
- second socket is used for dimmers 31 to 48
 - contacts 1 to 18 : dimmers 31 to 48
 - contacts 35 to 37 : 0 V

8. IN 230 V

Two-pole switch, fuse (3.15 A - 5 x 20) and power supply socket (male type IEC 320-C14)

Accessories

- 128 K long life memory card
- Desk lamp
- Control panel for external lines
- Flight case for CANTOR
- Set of 2 wooden side panels
- Dust cover
- XLR5-M plug for DMX512/1990 data cable
- Kit monitor, RS232, 14", monochrome, with cable
- Kit monitor, RS232, 14", colour, with cable including RS232/VGA converter

**MEMO/CARD/128K
WORKLIGHT
PUP/EXT/LIN
FLY/CANTOR
WOOD/CANTOR
HOUSSE/CANTOR**

XLR 5 MX

KIT/MON/C

KIT/MON/C/C

ADB - Your Partner for Light

ISO 9001 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-ttv@adb.be, Internet : www.adb-ttv.com

Deutschland ADB GmbH

Dieselstraße 4, D-63165 Mülheim am Main
Tel : 49.6108.91.250, Fax : 49.6108.91.25.25
E-Mail : adb.lichtelek@t-online.de, Internet : www.adb-deutschland.de

France ADB S.A.S.

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

ADB
Lighting Technologies

DS-1073-E-059g