

# TENOR

## 120 / 240 Channel Memory / Effects Professional Lighting Control Desk



### Description

- 120 or 240 channels with a proportional patch up to 512 dimmers.
- 24 play-back submasters manual or automatic for memories or effects; recording of the sum achieved in one operation; direct access for level modifications. (1)
- 12 flash submasters for memories or effects. (2)
- 2 crossfade submasters (stage and preset), manual or automatic, sequential or non-sequential, with speed override; access into crossfade submasters for level modifications. (7)
- Programming of memory links, loops, repeating. Direct access into memory for assignment or modification of channels, up and down times and stored effects.
- 99 colour scroller cues which can be inserted in or between lighting memories. (4)
- External lines : 10 programmable lines.
- Library storage on memory card : instant recording and retrieving; possibility of non-stop recording.
- Special effects : 25 preprogrammed chasers (5) and 20 effects (3) which can be inserted in or between lighting memories.
- Memory Capacity : 200 memories containing the total amount of channels. (9)
- Menu (8) : individual allocation of dimmer laws (among 10) to each dimmer; assignment and programming of external lines; recording of the DMX512/1990 input (from a manual desk); programming of control memory ; audio signal for error ON/OFF; selective data storage; MIDI; submaster general fader ; double system configuration (synchro).
- Display: display pages (crossfade, submaster, flash, effect, chaser, colour scroller, memory). (6)
- SOS : user's help programme.

### References

120-channel TENOR

TENOR/120

240-channel TENOR

TENOR/240

### Supplied with :

- 1 colour monitor + cables
- 1 mouse pad
- 128 K memory card
- 2 m power supply cable
- 2 XLR5-MX plugs for DMX512/1990 cables
- 2 wooden side panels
- 1 dust protection cover
- 1 user manual

### Options

- Demultiplexer 48 or 60-channel
  - Data Booster (line amplifier)
  - Infrared remote control
  - Control panel for external lines
- DEMUX 48 or 60  
DATA/BOOSTER  
EM/IR & RE/IR  
PUP/EXT/LIN**

### Accessories

- 128K long life memocard (240 channels)
  - Desk Lamp
  - Printer Kit
  - Flight case for TENOR
  - Flight case for monitor
  - Mouse pad
- MEMO/CARD/128K  
WORKLIGHT  
KIT/PRINT  
FLY/T  
FLY/MON/T  
MOUSE/PAD**

### Characteristics

Power requirement	: 220 - 240 V - 50 Hz
Consumption	: 3.15 A

### Dimensions

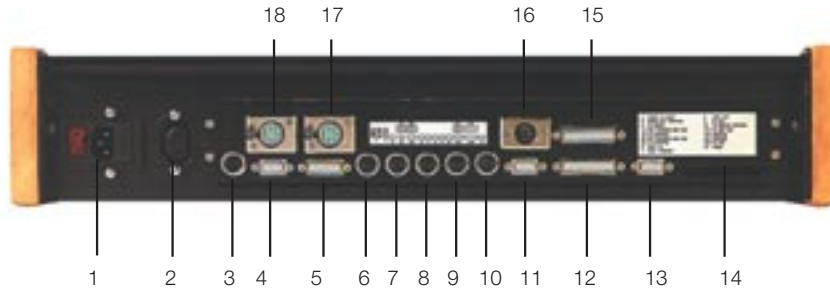
Length x depth	: 595 x 445 mm
Height	: 45 - 118 mm
Net weight	: 8 kg

### Packing

Dimensions	: 580 x 520 x 200 mm (0.06 m <sup>3</sup> )
Gross weight	: 11 kg

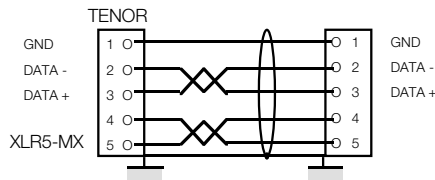
**ADB**  
A Siemens Company

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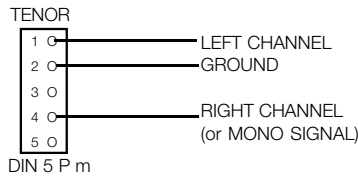


### Interconnection Cables

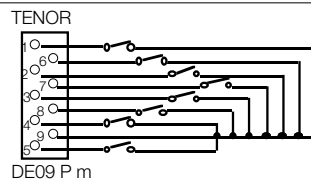
**Digital Protocol (out dimmers, out colours, in DMX512)**  
 Maximum data cable length : 250 m  
 Cable Section : 2 x 2 x 0.34 mm<sup>2</sup> (shielded)



**Audio in**  
 Maximum data cable length : 30 m  
 Cable Section : ... x 0.34 mm<sup>2</sup>



**External Lines (10 lines - in remote)**  
 Maximum data cable length : 250 m  
 Cable Section : 9 x 0,34 mm<sup>2</sup>



### Connector Display

- 1 IN 230 V**  
Two-pole switch, fuse (3.15 A - 5 x 20) and power supply socket (male type IEC 320-C14)
- 2 OUT 230 V**  
Power supply socket (male type IEC 320-C14) for monitor.
- 3 AUDIO IN**  
DIN 5 Socket (5 female contacts) for audio signal IN (between 10 mV and 20 V - input impedance: +/- 20 kΩ)
- 4 SYNCHRO**  
DE09-S Socket (9 female contacts) for synchro input (RS485)
- 5 IN REMOTE**  
DA15-S Socket (15 female contacts) remote control of 10 programmable external lines
- 6, 7, 8 MIDI (IN, THRU, OUT)**  
3 DIN 5 Sockets (5 female contacts) following MIDI standard.
- 9 DIM F.B.**  
DIN 5 Socket (5 female contacts) for data feed-back from digital dimmers.
- 10 IR REMOTE CONTROL**  
DIN7 Socket (7 female contacts) for infra-red remote control signals IN.
- 11 MONITOR**  
DE09-S Socket (9 female contacts) to colour monitor.
- 12 RS232**  
DB25-S Socket ( 25 female contacts ) for new type of mouse or RS232 connection .
- 13 MOUSE**  
DE09-S Socket (9 female contacts) to mouse (old type).
- 14 MEMORY CARD**  
Slot for insertion of memory card for library storage
- 15 PRINTER**  
DB25-S Socket (25 female contacts) for printer connection.
- 16 IN DMX512**  
XLR5-FX Socket (5 female contacts) for DMX512 input, with galvanic isolation.
- 17 OUT COLOURS**  
XLR5-FX Socket (5 female contacts) to colour scrollers (DMX512), with galvanic isolation.
- 18 OUT DIMMERS**  
XLR5-FX Socket (5 female contacts) to dimmers for lighting levels ( DMX512/1990), with galvanic isolation.

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ISO 9001 Certified

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