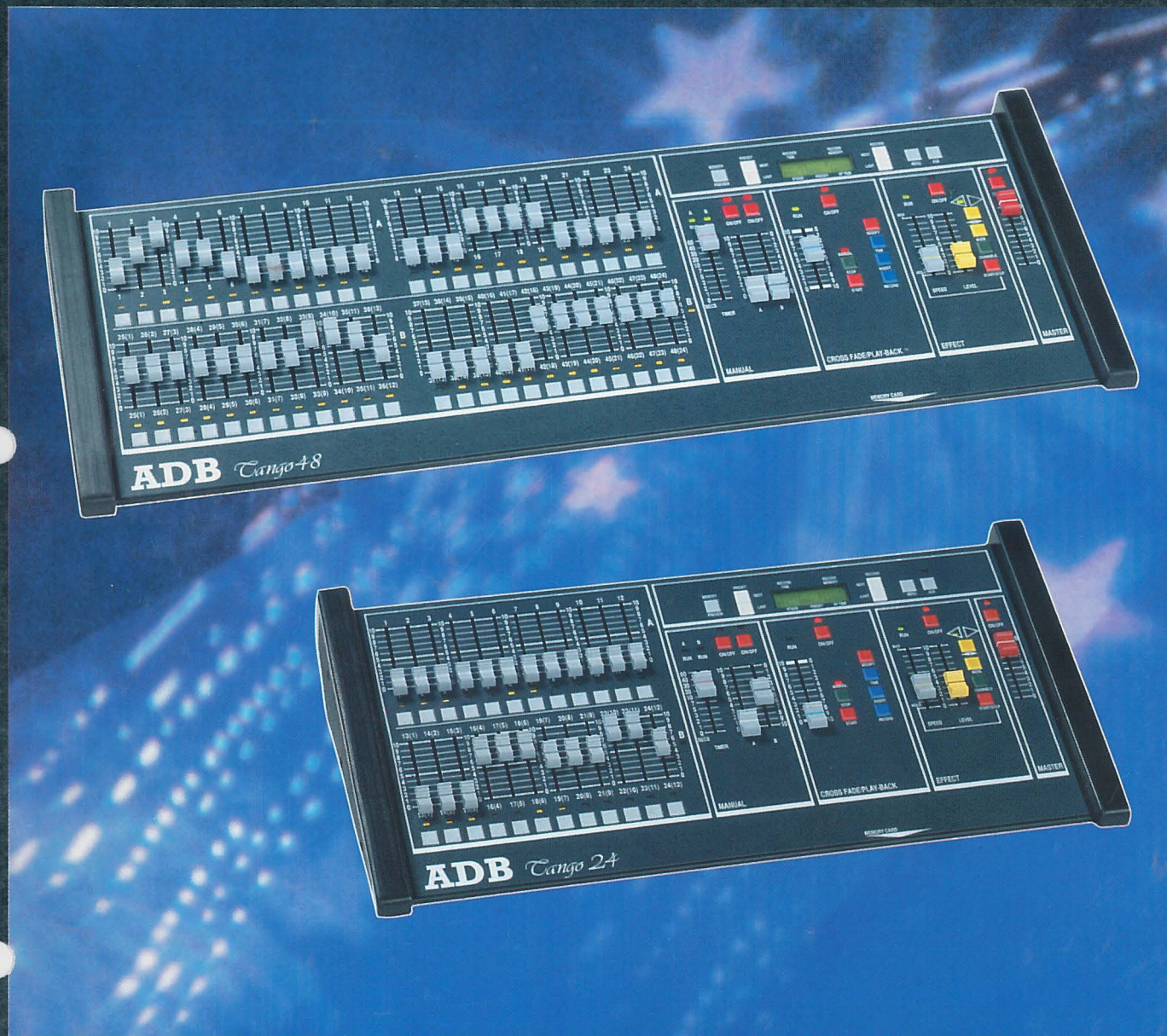


TANGO

Effects / Memory Lighting Control Desk



TANGO 24 and TANGO 48 utilise state-of-the-art microcomputer technology to provide a lighting control system with features/facilities normally associated with much more expensive consoles. TANGO has been specifically designed to be "user friendly" in operation, this is a further major benefit. The use of high quality components, sophisticated assembly techniques and thorough pre-despatch testing guarantee long life and trouble free operation.

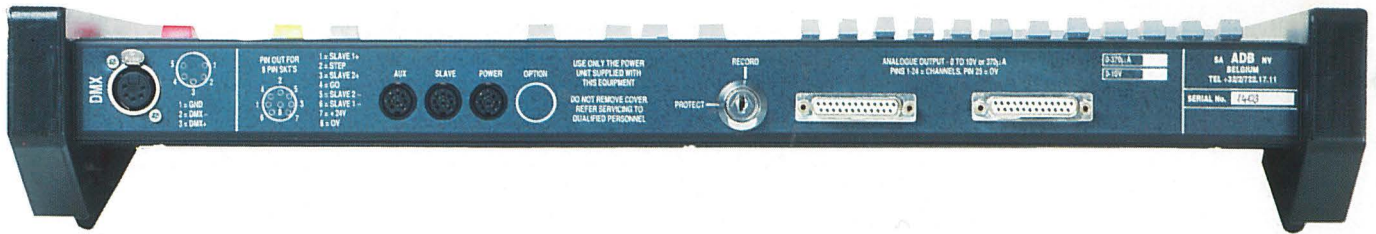
- 12/24 or 24/48 channels
- 1 or 2 presets, User selectable
- Programmable effects package
- 999 memories + 5 Inserts between each
- Soft patch up to 96 dimmers
- Comprehensive LCD display
- HELP function
- Memocard library storage
- DMX 512/1990 output with galvanic isolation
- Optional analogue outputs

Ideally suited for

- Small theatres and TV studios
- Cultural centres
- Multi-purpose halls
- Schools
- Touring
- Back-up desk

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SPECIFICATIONS



TANGO 24 :

24 channels / 1 preset or
12 channels / 2 presets

TANGO 48 :

48 channels / 1 preset or
24 channels / 2 presets

Manual Mode

1 or 2 presets, software configurable. Manual or 0 to 60s timed dipless crossfade between presets. ON/OFF (blackout) keys. Flash key and LED indicator for each channel.

Memories

Up to 999 memories plus 5 inserts between each memory. Direct access for memory modification. Memory protect key. Long life lithium battery for saving memory information in case of power failure. Library storage on a 64 K long life memory card.

Modification of a memory is achieved by loading it into the playback and then moving the fader of the channel to be modified. During playback, memories shall be automatically sequenced when the START key is pushed, unrecorded memories shall be ignored. Crossfade may be held (stopped) at any time or outputs may be blacked out with the ON / OFF key. Memories may be recalled out of sequence using the NEXT and LAST keys.

Effects

24 (or 48) flash keys. 24 pre-defined, user selectable effect patterns. 1 user programmable effect of up to 99 memories plus 5 inserts between each memory. Effect master panel for controlling effect time, mode, direction and

externally by momentary contact closure. Inputs via an 8-pin DIN socket on the rear panel.

Blackouts

Each section can be blacked out independently via its own ON/OFF key with LED indicator in addition to the general master and its ON/OFF key.

Soft Patch

Up to 96 dimmers. Access via the MENU. Facilities provided for default patching and turning the dimmers off, individually or all together.

Display

Stage and preset memory numbers with fade time, actual time and actual memory selected. Through the MENU: patching data by channel and number of

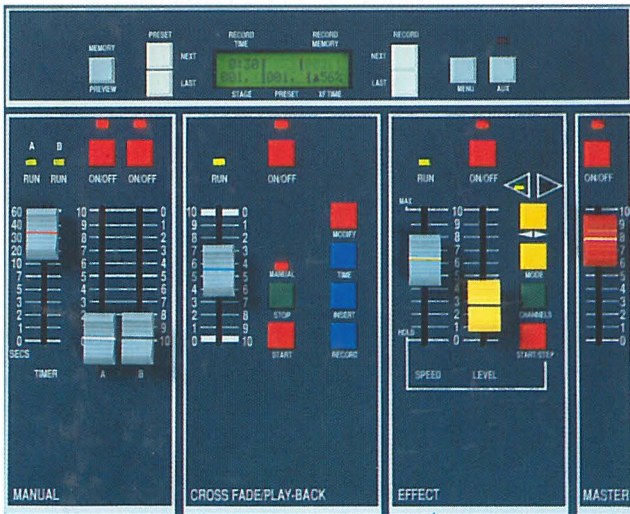
memories available. Back lit LCD with 2 lines of 16 characters.

LED Indicators

Their display function is user selectable. They allow to mimic the actual outputs (non-dimmed), the effects, or the memories.

MENU Functions

HELP: operating instructions on desk functions
STORAGE: library storage on memory card
PATCH: soft patch of dimmers to channels
MEMORY: erase a memory
PRESETS: single or 2 preset operation
EFFECTS: recall of pre-stored effects programmes
MEMORY FREE: display number of memories available
CONTRAST: control contrast.



Playback

A recorded memory can be replayed with a stored fade time of up to 9 min 59s via the START button or manually with a fader. Current memory numbers are shown on the display.

intensity. Effects can be run automatically or stepped manually.

Remote Operation

The crossfade START and the effect START/STEP functions can be triggered

Technical Data

Desk built to EN 60950 safety standard.

External power supply unit with double isolation to EN 60742 safety standard : Input: 190-260 V, 50 Hz

Output: 21 V dc nominal at 750 mA.

TANGO power requirements: 18-36 V dc, 400 mA at 24 V.

Standard Output signal to dimmers :

Digital DMX 512/1990 via XLR5-FX with galvanic (optical) isolation.

Option: Analogue 0/+ 10 V and 370 μ A via 25 pin D type female connectors (1 per 24 channels).

Dimensions	Tango 24	Tango 48
Width x Depth	620 x 315 mm	815 x 315 mm
Height	30 - 118 mm	30 - 118 mm
Net Weight	6 kg	8 kg

Accessories

- 24 channel analogue output card 370 μ A and 0/+ 10 V for TANGO 24 CARTE/ANA/24
- 48 channel analogue output card 370 μ A and 0/+ 10 V for TANGO 48 CARTE/ANA/48
- 64 K long life memory card MEMO/CARD/64K
- Connector for remote control of crossfade and START functions DIN/8M
- Dust cover for TANGO 24 HOUSE/TANGO 24
- Dust cover for TANGO 48 HOUSE/TANGO 48

ADB - Your Partner for Light

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