

# STARLET 12

## Operators Manual



**THEATRELIGHT**

## Overview:

The Starlet 12 is a simple 12 channel lighting control console. It has twelve channel preset faders each with a flash button. A Park facility allows two preset operation. Twelve output levels are sent by industry standard DMX512. The unit is powered by a separate low voltage plug pack.

## Package contents:

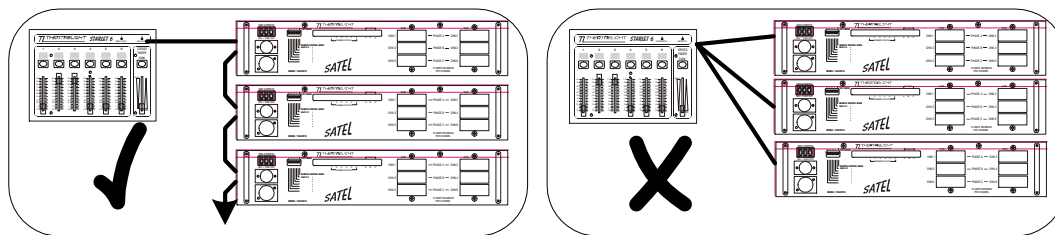
- 1 Starlet 12 console, 1 Power supply, 1 Operators manual

## DMX 512:

DMX512 is an international standard supported by most manufactures of lighting equipment for the entertainment industry. It is used to connect lighting controllers such as the Starlet 12 to dimmers and other DMX512 controlled devices. It allows for up to 512 channels of control to be transmitted over a single twisted pair cable.

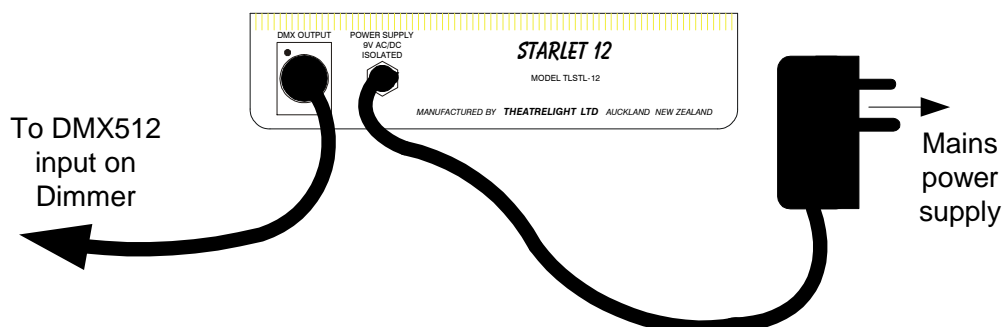
Basic rules in the use of DMX512:

1. Use correct cable (see specifications).
2. The cable must daisy chain from the first device to the next, then to the next and so on. Tee or spur connections are not permitted (use a DMX electronic splitter).
3. The console such as the Starlet 12 must be at one end of the daisy chain.

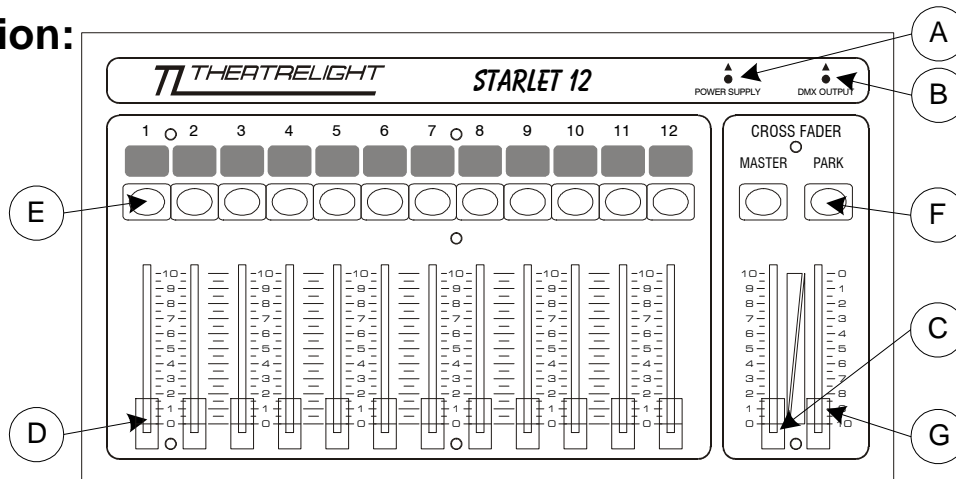


## Connection:

1. Ensure the voltage marked on the power supply matches your mains power supply.
2. Connect the power supply to the connector on the rear of the Starlet 12.
3. Connect the DMX512 cable from the DMX output socket on the rear of the Starlet 12 and to the DMX512 input socket on the dimmer.
4. The Starlet 12 outputs DMX512 channels 1-12. Set the dimmer to decode channels 1-12. (refer to the dimmers instructions on how to do this)
5. Connect the power supply to the mains power and turn on. The green power supply and amber DMX output LED's should light on the Starlet 12.
6. The dimmer pack connected to the Starlet 12 should indicated that it is receiving DMX512.



## Operation:



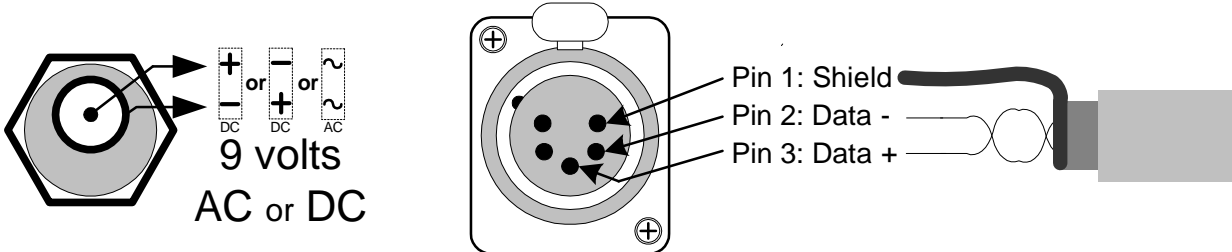
- A Power supply:** Power supply OK.
- B DMX output:** DMX512 OK.
- C Master (fader):** This fader acts as a master over the 12 preset faders.
- D Preset faders 1- 12:** These faders will control the output channels 1-12.
- E Flash buttons:** These flash the output channels 1-12 to 100% (full) if the output level of the channel is at 0% - 95%. If the output level is at 95% - 100% they flash the channel to 0% (off). The mode is based on output level, which is affected by the MASTER. The MASTER flash button flashes the MASTER. The flash buttons flash channels to 100% or 0%. The flash buttons are not mastered by the CROSSFADER.
- F PARK ( button):** Stores the live output levels as set by the Preset faders and their MASTER in a memory store when pressed briefly. Output contributed from the flash buttons is NOT stored. Previous states are over-written.
- G PARK (fader):** Acts as a master over levels stored in the PARK store. Note this operates upside down. 0% is up, 100% is down.

### EXAMPLE:

- 1) Connect the Starlet 12 to dimmers as per previous page.
- 2) Set MASTER fader at 100% (up), Preset faders 1-12 at 0%, PARK fader at 0% (up).
- 3) Push flash buttons above Preset faders. Channels will flash to 100% (full). Put the Preset faders at 100%. Push flash buttons. Channels will flash to 0% (off).
- 4) Adjust the levels of dimmers 1-12 with faders 1-12 (setting them at various levels). Note that the MASTER fader acts as a master over all of them.
- 5) Push the PARK button briefly. The output is now stored in the PARK memory.
- 6) Set the MASTER fader to 0%. Move the PARK fader down to 100%. This fader controls what is stored in the PARK memory.
- 7) Levels stored in the PARK store are controlled by the PARK fader and levels as set on the Preset faders are controlled by the MASTER fader.
- 8) By moving the MASTER and PARK faders together (next to each other) you can fade from the PARK memory to the preset fader levels and visa-versa.
- 9) To smoothly fade from one set of levels to another to another etc.
  - a) Set MASTER+PARK cross faders both in the up position.
  - b) Set the first set of levels on the Preset faders.
  - c) Push PARK.
  - c) Move both crossfaders down. Set up new set of levels on preset faders (blind).
  - d) Move both crossfaders up to crossfade to levels set on preset faders.
  - e) Repeat step c) to d) to continuously fade from one state to another.

## Specifications:

Channels: 12 (DMX 1-12)  
Output: DMX512 (1990)  
Output Connector: 5 pin XLR socket  
Power supply: 9 volts AC/DC (floating)  
Size: 325mm (w) 175mm (d) 60mm (h)  
Weight: 2.2kg



Power supply  
connector

DMX 512  
connector

DMX512 cable should be a shielded twisted pair, min 0.5mm conductors, Suitable for use with RS485 data transmissions.

The Starlet 12 must only be used for its intended purpose.

Information contained in this manual is subject to change without notice.

Do not operate the Starlet 12 in wet conditions.

Protect the Starlet 12 from liquids.

Operate in a clean environment.

Cover the front panel when not in use.

Manufactured by

**THEATRELIGHT**

6 Rowe street, Onehunga

Auckland, New Zealand

Phone 64-9-622 1187

Fax 64-9-636 5803

Email: [info@theatrelight.co.nz](mailto:info@theatrelight.co.nz)

[WWW.theatrelight.co.nz](http://WWW.theatrelight.co.nz)