

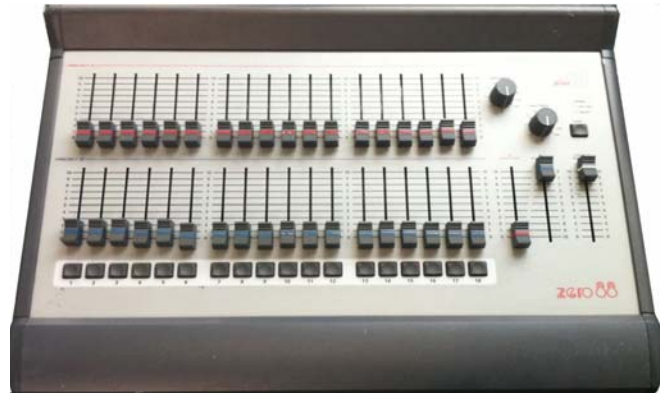
# Using the Zero 88 Level 18 Plus Manual Lighting Desk (TS3)

The Level 18 Plus is a professional 18 channel, 2 preset lighting control desk.

It fits well in TS3 as there are 18 dimmers installed here (3 racks of 6 dimmers, situated outside the sound studio).

## Desk Layout

There are two sets of channel faders (A [red] and B [blue]). These are known as 'Presets' and enable the user to set up two different lighting scenes and fade between them using the preset Master A and Master B controls.



Each preset Master has a Flash button and a Fade Time rotary control associated with it. The user can easily crossfade between scenes by moving the A and B Masters in tandem. Note that the scale on Master A is inverted, and is therefore at full on when Master B is at zero.

With the Fade Time knobs turned to the OFF position, crossfades are controlled manually.

For example, turn both Fade Time knobs fully anticlockwise until they click off. Set up one scene, by setting the required levels for each channel on the Preset A faders, and a different scene on Preset B.

Move both Master A and B faders to the bottom.

To manually fade from Scene A to Scene B, slowly push the Master A and B faders in tandem to the top of the scale.

You have direct control over the speed of the change.

## Flashing a Channel

Each channel has a Flash button at the base of it. This button will flash the channel to the level of the Grand Master when pressed. If the Flash button doesn't operate, press the Flash control button above the Grand Master once.

## Fade Time Operation

Timed fading of scenes in and out or crossfading between scenes can be carried out automatically using the Fade Time controls. Times to fade from zero to full, or full to zero can range from 1 second to 3 minutes and are initiated by moving the appropriate Master fader.

For example, turn the Master A Fade Time knob to 10 seconds and the Master B Fade Time knob to 40 seconds.

Moving the Master faders in tandem from the top to the bottom of the scale will fade Preset A from full to zero in 10 seconds, and Preset B from zero to full in 40 seconds.

Note that the fade time scale is not linear.

## Overriding Fade Times

Turning the Fade Time knob anticlockwise during a fade will slow down the fade of that reset. Turning the knob clockwise will speed up the fade.

## Connecting to dimmers

The DMX512 control cable connects between the desk and the dimmer racks. There are 2 sockets in TS3 you can connect into; DMX 1 at the foyer end by the door or DMX2 in the corner by the sound studio. These sockets connect via the sound studio patch panel to the dimmers.