

# Zr12 DMX INTERFACE

## Using DMX 512

DMX 512 is an industry standard and the ZR12-DMX is fitted with an interface. This gives the user the ability to link the smoke machines into the lighting chain and control them from a single source. The ZR12-DMX uses a single channel to fire and control the output level, the interface can be addressed from channel 1 up to channel 512. The address setting is done via a 10 way dip switch on the DMX interface. To address the channel simply switch on the required switches (on is down), there are some samples of different channel settings below.

The ZR12-DMX is fitted with two XLR sockets for DMX; one is for DMX IN & one is for DMX OUT. This enables the ZR12-DMX to be used in a chain. When there is valid DMX i.e. the XLR is connected and the desk is powered the small green LED will light and indicates there is DMX connected to the machine. However if there is no address set the LED will not light and DMX will be disabled. Regardless of the address setting, the machine will start to heat when the interface is connected to the machine and after 10 - 12 minutes you will be able to operate the machine using DMX, the output is controllable the higher value the DMX more output will be produced.

A 'deadband' is arranged so that the DMX values 0 to 28 produce no output. Above this level, the output is proportional to the DMX value received.

When the ready LED is on, the machine can also be fired using the 'TEST' button on the interface.

