

## LCS Chaser



## LPS Slave



### Lightwire flexible lighting

Anytronics have developed the first in a range of 4 channel switching packs exclusively for driving Lightwire. It has a very fast response time giving an almost strobe like effect. There is a comprehensive microprocessor controlled protection circuit which continuously monitors the output status of the inverters, and protects against open circuit or an incorrect length of Lightwire on any channel. The Lightwire packs are similar in construction to the range of Black Box Power Packs manufactured by Anytronics, and can be controlled in the same way.

The Slave Pack has its low voltage control inputs on two 7 pin DIN sockets and screw terminals, and can be driven by any controller having a low voltage output of +10V, such as the Light System One or Light System Two. A +22V DC supply is available to power external low voltage controllers like the Light Chaser or Light Chaser Plus if 4 channel sound to light is not required. This supply is also used to power the optional DMX card.

There are applications for Lightwire as a stand alone lighting effect, shop window displays for example, and if this is the case then the chaser version of the Lightwire pack should be considered. This unit has a built in sequencer offering 48 different programmes plus Autoprogramme. An enable/disable feature is common to all versions of the packs with a jumper plug system to select the operating mode, either take to 0V to disable or take to +10V to enable. If the DMX version of the pack is being used the enable can be carried out using the fifth channel of the card.

#### Technical Specification (Electronics)

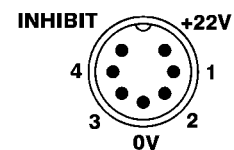
**Mains supply:** 200 to 240V AC 50/60Hz  
(100 to 120V AC 50/60Hz to order) via 2m 3 core mains cable  
**Output:** LC410S/LP410S 4 channels 10m/Channel  
LC420S/LP420S 4 channels 20m/Channel via screw terminals  
**Cable entry:** Via 20mm cable clamp  
**Analogue Input:** +10V @ 0.5mA via two 7 pin DIN sockets and 7 way screw terminals.  
**DMX Input:** (Optional) via 2 sets of 3 way screw terminals  
**Low voltage DC output:** +22V @ 400mA  
**Fuses:** All internal 5 x 20mm 500mA Anti-surge  
4 x channel fuses 1 x mains fuse 1 x electronics fuse



#### Technical Specification (Lightwire)

**Overall diameter:** Aprox. 2.5mm  
**Stretching force:** 1Kg (for 0.5mm copper core)  
**Bending diameter:** at least 5 times the fibre diameter  
**Twisting angle:** 30 degrees per metre  
**Insulation breakdown voltage:** 4000 volts  
**Operating temperature:** -20°C to +55°C  
**Life expectancy:** in excess of 4,000 hours  
**Time to half brightness:** 750 hours

#### View into Socket



Lightwire & Chaser Packs

ANY

Lightwire

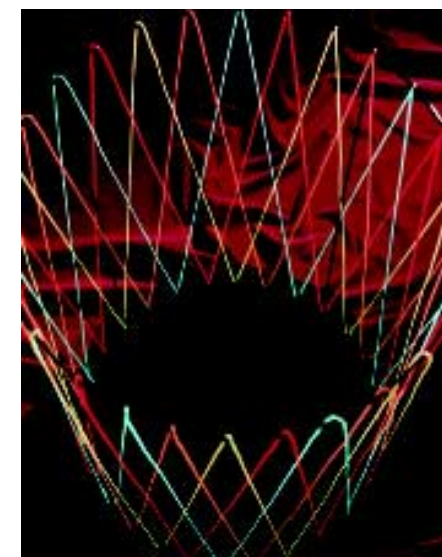
ANYtronics

## Professional Lightwire & Chaser Packs

The Anytronics flexible Lightwire and chaser/slave packs provide an innovative and unique lighting effect.



- Cold Light Source
- Flexible
- 5 Colours
- Indoor or Outdoor



### Lightwire flexible lighting

Anytronics Lightwire is a new form of flexible lighting based on the electroluminescent principle. It is a cold light source which is currently available in five colours.

The Lightwire is about 2.5mm in diameter and consists of a centre core of phosphor coated copper wire with a spiral wrap of two fine wires covered in two layers of protective plastic outer sheath. When a voltage is applied across the wires the phosphor glows. Although Lightwire fibre will normally be supplied in 10 or 20 metre lengths to suit the pack, we can supply custom lengths which add up to the total loading per channel, eg. a 20 metre channel could have 2 x 10 metre or 4 x 5 metre lengths. The Lightwire lengths come with a 2 metre 2 core cable attached to enable them to be connected to the pack. This can be extended using any mains cable rated at 3 Amps or greater.

Lightwire is very flexible but rough handling will damage the phosphor coating causing it to de-laminate from the copper and will result in dead spots along the fibre.

**On NO account should Lightwire ever be connected directly to the mains.**

Lightwire & Chaser Packs

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