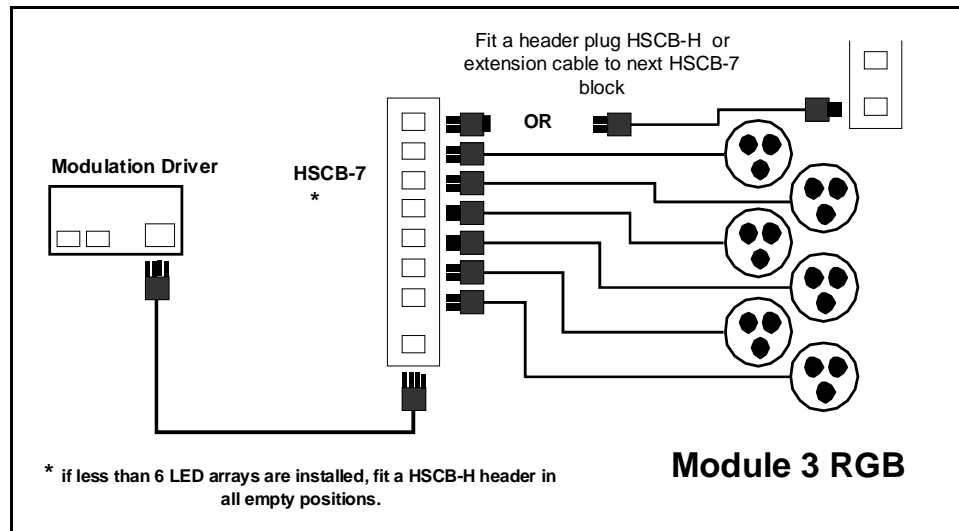
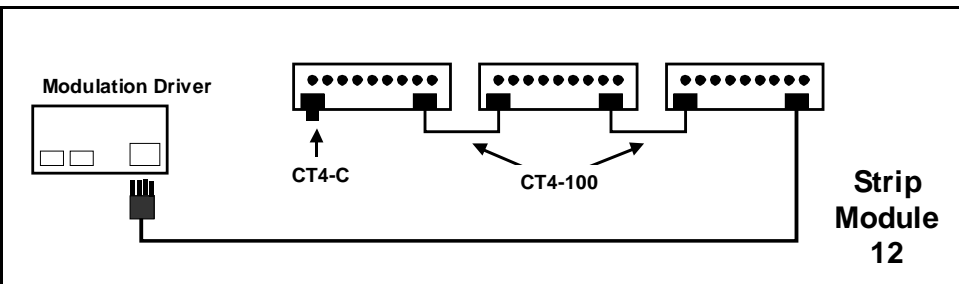
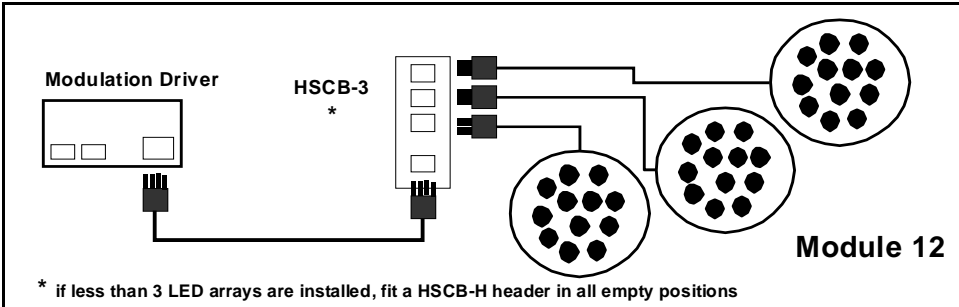
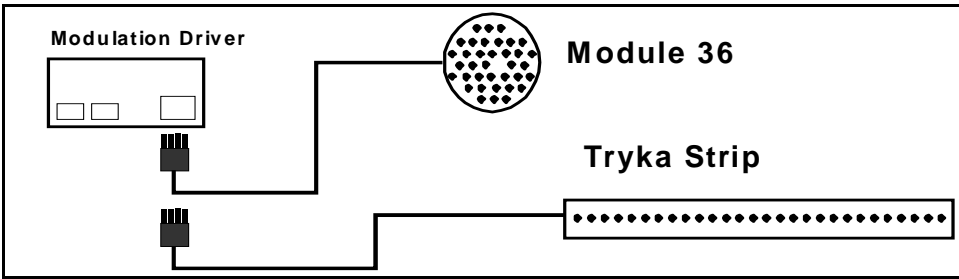


LED Array Connections



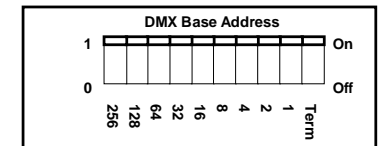
Modulation Driver Instructions

Step by step instructions to install the Modulation Driver

- Ensure the unit is not powered during installation (i.e. disconnect unit from mains).
- Connect the LED unit to the Modulation Driver (see specific instructions for each LED unit).
- Connect the DMX lead(s), if used. (See DMX installation).
- Connect mains lead (if not already attached) and power on the Driver.
- Test installation (see testing the installation below).
- Switch power off.
- Set the address on the DIP switches (on the side of the Driver) with the required DMX Address (see DMX address section).
- Switch power on.

Testing the Installation

To test your installation using RGB Light units, set the DIP switches to Colour Cycle Mode address 511.



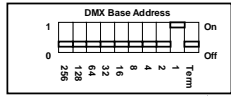
Switch the mains power off and on again. The driver will now cycle through a preset colour sequence red to green to blue.

DMX Addressing

The DIP switch allows the Modulation Driver to be addressed via a DMX control interconnection.

The address required is set via the addressing switches on the side of the Modulation Driver.

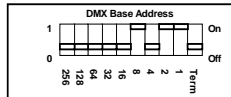
The most common address is 1, which is shown here.



To set the Driver to another address, set the combination of switches that add up to the address required.

For example:

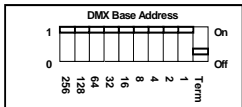
DMX 11 is $8 + 2 + 1 = 11$



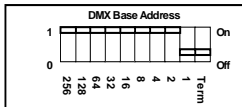
Please note that if the address DIP switches are changed the Driver *must* be powered off and on, to take effect.

Special Addresses

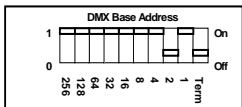
The following is a range of addresses that perform specific Driver functions and are provided for testing purposes.



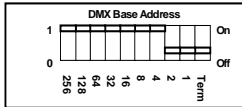
511 Self test and colour cycle mode



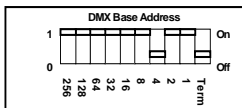
510 Channel 1 at 100% (Red full on)



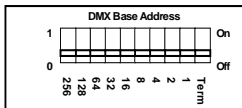
509 Channel 2 at 100% (Green full on)



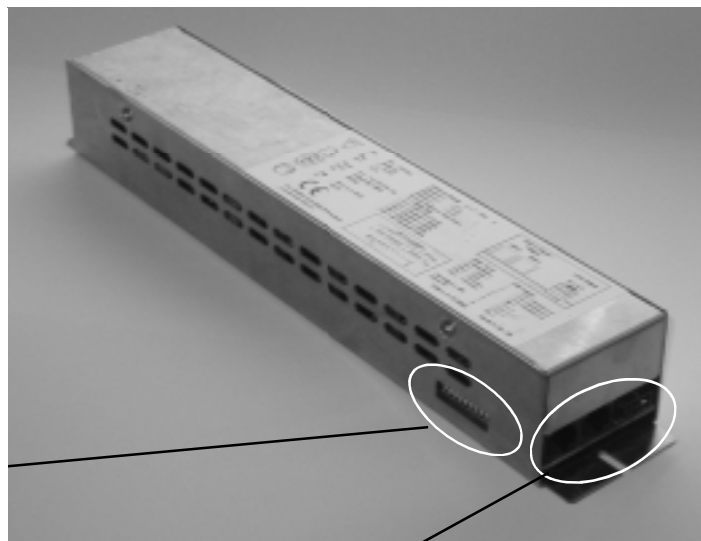
508 Channel 3 at 100% (Blue full on)



507 All channels at 100% (All LEDs on)



0 White mix using RGB



DMX Installation

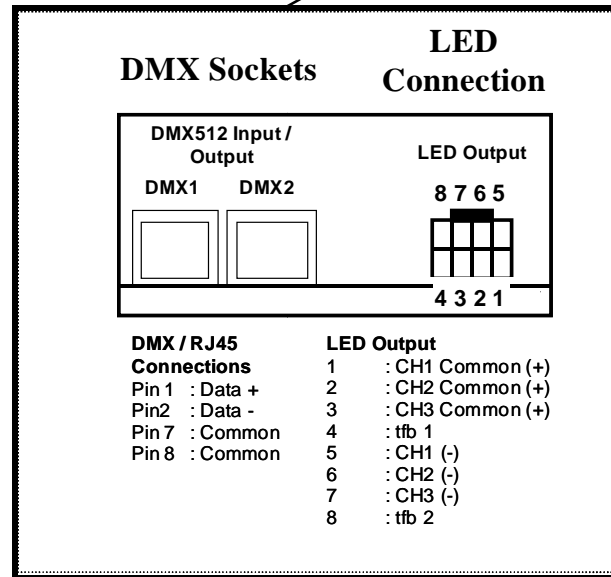
To connect the Modulation Driver to a DMX mixing desk or DMX controller, plug the DMX input cable in to socket DMX1.

This uses an RJ45 socket; for connections with XLR see diagram below DMX/RJ45 Connections.

To connect to another Modulation Driver use an RJ45 patch cord and plug one end into DMX2 socket and into DMX1 on the other Modulation Driver. In this way, up to 32 Modulation Drivers can be chained together.

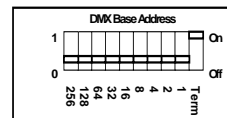
Only the last Modulation Driver must have the Terminal switch set to on and others in the chain must be set to off.

Set the address of each Modulation Driver unit as required. Please note that each channel requires a DMX address. However the DIP switch only points to the first address, which is channel 1. Channel 2 will be the next address DMX+1 and finally, the third channel will be DMX+3.



Termination

This switch is normally off and is only used if DMX termination is required.



Only the last driver in the chain is set to on.

Example of a multiple Driver installation

