

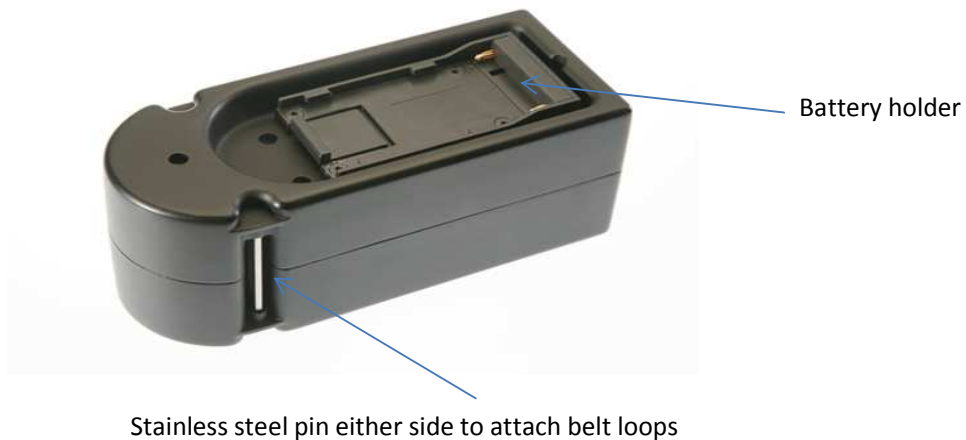
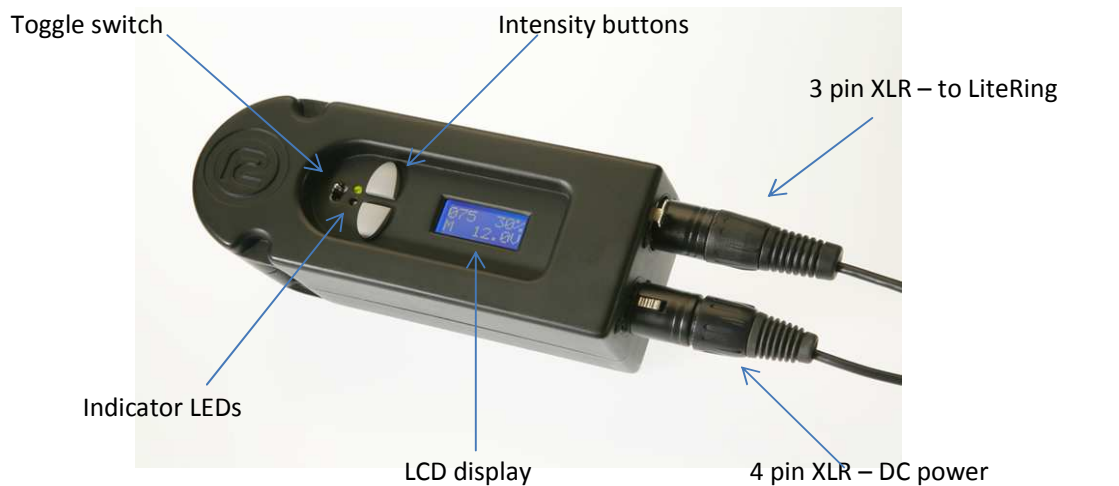


## Dual LiteRing Controller

### Introduction

The Reflecmedia **Dual LiteRing Controller** is designed specifically for the Reflecmedia **Dual LiteRing** & allows the user total control over the power source and liting output.

The Reflec media **Dual LiteRing** must ALWAYS be powered & controlled with the Reflecmedia **Dual LiteRing Controller**. Other controllers may damage the LiteRing and invalidate product Warranty.



### Connecting the **Dual LiteRing** to the **Dual LiteRing Controller**

The **LiteRing** is fitted with a 3 pin XLR plug on the end of a flying lead. Insert this into the 3 pin XLR socket on the **LiteRing Controller**, ensuring that the plug is latched to prevent accidental removal.

Always connect the **LiteRing** to the **LiteRing Controller** before connecting power or switching the controller on.

Once connected, always stow any excess cable neatly.

If the 3 pin XLR plug or socket is damaged, return the unit to your Reflecmedia dealer for repair.

### Powering the **Dual LiteRing** & **Dual LiteRing Controller**

The **Dual LiteRing** Controller is tolerant of a wide range of input voltages, from 7.5 to 12Vdc.

It is recommended for Studio use that the Reflecmedia 12V mains adapter (RM5224) is used to provide power; this is provided in our LiteRing Kit's.

The 12V mains adapter is fitted with a 4 pin XLR plug on the end of a flying lead.

Insert this into the 4 pin XLR socket on the **LiteRing Controller** side as shown, ensuring that the plug is latched to prevent accidental removal.

Once connected, always stow any excess cable neatly.

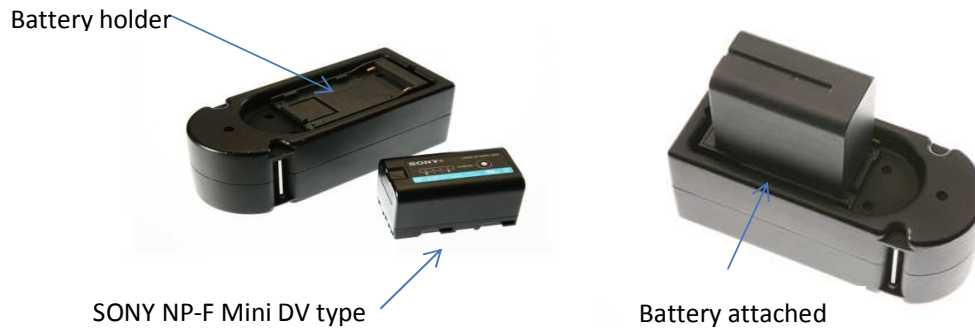


For more freedom in use, the **LiteRing Controller** may be powered from a battery. This reduces the number of cables needed and allows the unit to be more mobile and flexible.

Industry standard batteries of the Sony NP-F Mini DV pattern, as used on many Sony mini DV cameras have been chosen.

The low power consumption of the **LiteRing** allows many hours of use between battery charges.

Ensure that your battery is fully charged and slide it into the battery mount fitted on the rear face of the controller housing. Note that the battery needs to be pressed towards the mount whilst sliding towards the battery holder contacts to allow the latch to engage.



To remove the battery, ensure that the controller is switched off (i.e. toggle switch in the centre-off position), depress the locking tab and slide the battery out of its holder.

The 'default' supply is from the XLR / mains input. If the mains input AND battery are connected then the unit will automatically run from the XLR / mains input. For safety reasons, because of the many battery technologies available, the **LiteRing Controller** will not charge the battery, even if connected!

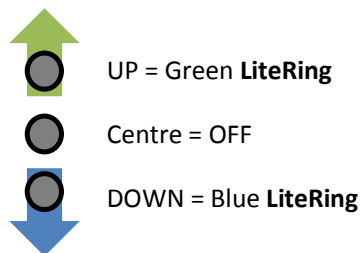
NB – Reflecmedia do not provide batteries but these are available from many sources.

If the XLR plug, socket or M-DV battery adapter is damaged, return the unit to your Reflecmedia dealer for repair.

#### Operating the **Dual LiteRing & Dual LiteRing Controller**

Once the **LiteRing** and power supply are connected to the **LiteRing Controller**, the **LiteRing** is ready for operation.

The toggle switch on the face of the controller allows the user to switch between different **LiteRing** colours, Blue or Green.

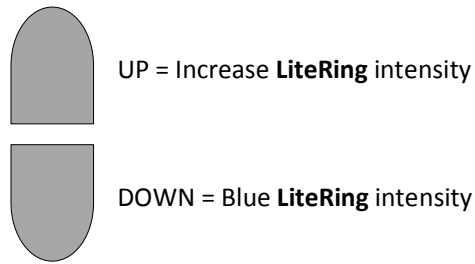


Note – The controller will remember the last dimmer setting for the Blue & Green channels independently, even when disconnected from the power source, to allow the user fast set up and change over between **LiteRing** colours.

Indicator LEDs will glow to confirm to the user which channel is in operation

The intensity of the **LiteRing** is altered by depressing the two arrow shaped buttons.

The 'UP' arrow increases the **LiteRing** intensity; the 'DOWN' arrow decreases the **LiteRing** intensity.

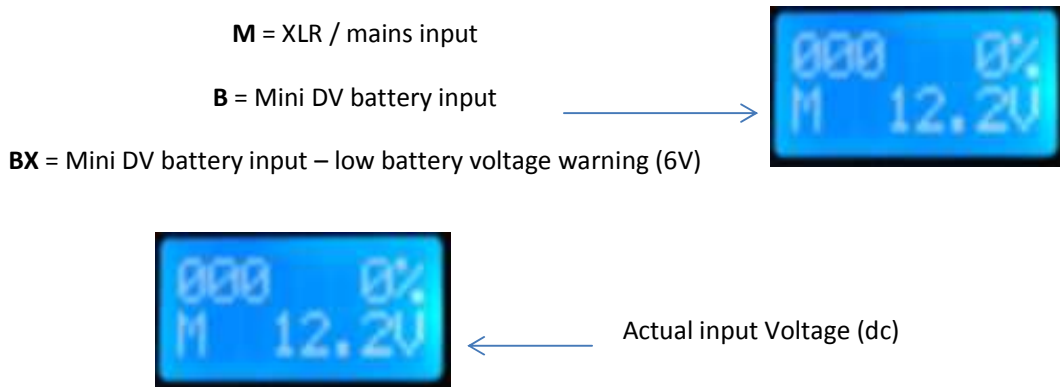


The light output can be very finely controlled in 256 discreet steps (i.e. values of 0 to 255).

The chosen output level is shown on the upper left of the LCD display, along with an approximation of the output as a % (0 – 100%) on the upper right.



The LCD display will also indicate the actual supply voltage present, bottom right, and the source of the supply, bottom left. The display will indicate BX to warn the user that the battery voltage has dropped below 7V and will require charging soon.



### Mounting the **LiteRing** Controller

When powered by battery the **LiteRing** Controller will sit on a flat surface in an 'upright' position.

Additionally, the **LiteRing** Controller may be hung from a belt or similar. A velcro strip or similar can be threaded behind the metal bars on either side of the controller housing.

NOTE – Never hang the controller on the camera user or other person unless the controller is powered by the MDV battery. There is a risk that the user may trip on the mains power supply.

## Further user information

### **Caution**

The Dual LiteRing, Dual LiteRing Controller and Reflecmedia mains power supply contain sensitive electronic components. For your own safety and to ensure reliable operation of the products, never open, modify or tamper with the product in any way.

Opening, modifying or tampering with Reflecmedia products in any way will invalidate the product warranty.

Never use the Dual LiteRing, Dual LiteRing Controller and Reflecmedia mains power supply with any other product.

Always check that the products are in good condition before use. For your safety, do not use products that show signs of damage to the external housing, fittings, switches or cables etc.

Before physically removing the Reflecmedia mains power supply from the outlet, switch off at the wall outlet.

Always switch off the controller (i.e. toggle switch to centre position) before inserting or removing:

- a) the battery (Sony NP-F type)
- b) the LiteRing cable (XLR3 type)
- c) the power in cable XLR4 type)

Always ensure that the Reflecmedia mains power supply is OFF before inserting or removing the power in cable to the controller.

Never use a Dual LiteRing that has a broken, cracked or missing light diffuser.

Always tidy loose cables and stow safely when using the Dual LiteRing, Dual LiteRing Controller and Reflecmedia mains power supply.

**Please visit our website at [www.reflecmedia.co.uk](http://www.reflecmedia.co.uk) to view video clips that demonstrate how to set up the LiteRing kit in a Chromakey studio**

In the unlikely event, faulty products should be returned to Reflecmedia for service or repair.

## Specifications

Model:	Reflecmedia Dual Littering Controller
Part number:	RM4251D
Use:	For use only in photographic/film studios and similar locations under reliable supervision
Manufacturer:	Reflecmedia Ltd
Manufacturing location:	UK
Electrical input:	7.5 – 12VDC 4 pin XLR. Pin 1 0V, Pin 4 +V 7.5Vdc via SONY NP-F MDV battery mount
Electrical output:	Max 0.45A, 22.1VDC
Max overall power consumption:	12W maximum
Electric insulation class:	III
Environmental rating:	IP30, Dry locations.
Maximum ambient temperature $t_a$ :	50°C
Maximum surface temperature $t_c @ t_a$ :	80°C
Disposal:	Return to Reflecmedia for disposal Do not dispose of as household waste!
User Information:	Refer to User Guide

