



Dual LiteRing and Adapters

Introduction



The Reflecmmedia **Dual LiteRing** is designed to fit snugly around the camera lens to provide perfect illumination of the Reflecmmedia Chromatte™ background for chromakey production and is available in 2 sizes ('small' and 'medium') to fit many different size camera & lens systems.

The **Dual LiteRing features** high performance surface mounted Light Emitting Diodes (LEDs) arranged in a robust circular casing with a tuned diffusion to create extremely even illumination without causing discomfort to the subject.

The **Dual LiteRing** is powered by the Reflecmmedia **Dual LiteRing Controller** that allows the user to switch between blue or green output. 256 steps of dimming control are available with last setting memory for fast setup and instant switch over between colours.

Fitting the **Dual LiteRing** to the camera

The dual LiteRing is mounted onto the camera lens via a Reflec Media lens adapter ring. Various sizes of ring are available to suit a wide variety of lens types and styles;



Step 1 - Measure The Lens Diameter& choose the correct adapter ring

The filter thread diameter is almost always indicated by a legend printed on the front of the lens barrel, often indicated by the \varnothing symbol followed by the diameter in millimeters.

eg; \varnothing 72mm indicates a 72mm lens diameter – you require a 72mm adapter ring.

If there are no markings on the lens, then check the specifications page of the operating instructions for your camera / lens or check the manufacturer's website as the filter diameter is usually indicated there.



Step 2 – Fit the adapter ring to the lens

Firstly, remove any fittings from your camera lens (hoods, lens caps etc) to reveal the filter thread. Carefully screw the adapter onto the filter thread at the outer end of the camera's lens.

Step 3 – Fit the **Dual LiteRing**

The LiteRing has 2 thumbscrews around the outer edge. Retract the screws from the mounting area by turning anti-clockwise.



Take care not to completely unscrew the thumbscrews – you only need to unscrew them to make them flush to the inside of the LiteRing and no further (If you do accidentally unscrew too far, gently re-locate the screw into the LiteRing body and rotate clockwise to re-fit.)

Place the LiteRing over the adapter and gently tighten the 2 thumb screws. Tighten the 2 screws evenly, half a turn of each screw at a time! CAUTION: It is possible to tighten only 1 screw fully whilst the other is 'loose' – the LiteRing will NOT be properly mounted and may fall from the camera lens causing injury or damage. Check that both screws protrude behind the adapter ring, once the LiteRing is fastened to the lens it should be firm and secure.



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** side as shown, 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.

For instructions on how to use the **LiteRing Controller**, please see its relevant user guide.

Once connected, always stow any excess cable neatly.

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

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 to view video clips that demonstrate how to set up the LiteRing kit in a Chromakey studio

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

Specifications

Model:	Reflecmedia Dual Litering	
Part number:	RM 3251S & RM3261M	
Use:	For use only in photographic studios and similar locations under reliable supervision	
Manufacturer:	Reflecmedia Ltd www.reflecmedia.com	
Manufacturing location:	UK	
Electrical input:	Max 0.45A 22.1VDC 3 pin XLR. Pin 1 +V(common) Pin 2 0V(1) Pin 3 0V(2) DO NOT CONNECT TO ANY POWER SOURCE OTHER THAN REFLEC MEDIA DUAL LITERING CONTROLLER !	
Max overall power consumption:	12W maximum	
Environmental rating:	IP40, Dry locations	
Min. distance to flammable objects:	0.1m	
Electric insulation class:	III	
Maximum ambient temperature t_a :	50°C	
Maximum surface temperature $t_c @ t_a$:	80°C	
Disposal:	Return to Reflec Media for disposal Do not dispose of as household waste!	
User Information:	Refer to User Guide	

