



ALL TERRAIN 4M TRIPOD

Robust outdoor tripod for a variety of light heads

Operator's Manual



**This manual covers the all terrain 4m tripod with the following product code:
SLK45-LITE/TRP/4M**

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IMPORTANT INFORMATION ABOUT YOUR ALL TERRAIN TRIPOD

Use this page to record important information about your all terrain tripod.

UNIT PRODUCT REFERENCE	
UNIT SERIAL NUMBER	

This information can be found on your tripod's product label.

You will be required to supply the products serial number when contacting Ritelite (Systems) Ltd or one of Ritelite's approved dealers about parts and service.

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Section 1: INTRODUCTION & APPLICATIONS FOR USE

The all terrain tripod is designed as a simple to setup, sturdy tripod. It can be used with a variety of light heads fitted with the DIN connector.

All users must read, understand and obey these safety rules and operating instructions before operating the all terrain tripod. Only trained operators or competent personnel should operate the tripod.

This manual should stay with the tripod at all times.

APPLICATIONS FOR USE

The all terrain tripod is designed for use in the following applications only. It should not be used for any other purpose. If in any doubt about applications for use please contact either Ritelite (Systems) Ltd or Ritelite (Systems) Ltd's distributor for more information.

- Area lighting for construction site /scene lighting
- Rail lighting
- Indoor area lighting
- Area lighting for events applications
- Maintenance work
- Rescue operations






Failure to follow the instructions and safety rules in this manual may result in death or serious injury.

Section 2: SAFETY RULES

It is important that every user understands and observes the safety rules before setting up or using the all terrain tripod.

The Manufacturer, Ritelite (Systems) Ltd cannot anticipate every possible circumstance that might involve a hazard. The warnings in this manual and on labels affixed to the all terrain tripod will therefore not cover every eventuality. If using a procedure or operating method not specifically recommended by the manufacturer then the user must verify that it is safe for others and that it does not make the equipment unsafe.

Throughout this manual and on labels on the all terrain tripod, **DANGER**, **WARNING** and **CAUTION** blocks are used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Their definitions are as follows:

 DANGER	 WARNING	 CAUTION
Indicates a hazardous situation which, if not avoided, will result in death or serious injury.	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

These safety alerts cannot eliminate the hazards that they indicate. Common sense and strict compliance with the instructions within this manual are essential to preventing accidents.

GENERAL SAFETY RULES & POTENTIAL HAZARDS WHEN SETTING UP AND USING THE ALL TERRAIN TRIPOD

FALL HAZARDS

- Do not stand on any part of the tripod.
- Do not cling to or pull on the tripod.
- Do not climb on or use any part of the tripod as a platform or step.

TIP OVER HAZARDS

- Do not raise the mast until the tripod is positioned level on a firm, flat, horizontal surface with all three support legs correctly deployed and locked.
- Do not place the tripod on a smooth low friction surface even if firm and level. e.g. snow/ice. The unit could be prone to sliding sideways in these circumstances.
- Do not set up the tripod in windy conditions where wind speed and gusts could exceed the wind rating of the product.
- Check area where the product has been set up on a regular basis to ensure stability has not been compromised through changing conditions, e.g. through wind or water logged ground.
- Ensure the legs are locked in position before attempting to raise the mast. Use the leg adjustment clamps to raise / lower the legs.
- Do not release the leg clamps when the mast is raised or loaded with the light heads.
- Prior to setting up check the area for any possible hazardous conditions.
- Do not use blocks to level the tripod.
- Do not move the tripod with a raised load.
- Do not place ladders or scaffolding against any part of the tripod.
- Do not use the tripod on a moving or mobile surface or vehicle.
- Do not use the tripod for any purpose other than that for which it is designed.
- The Tripod is NOT a lifting device for anything other than Ritelite lighting products - if in doubt contact Ritelite (Systems) Ltd.

ELECTROCUTION HAZARDS

- Maintain safe distances away from electrical power lines in accordance with applicable governmental regulations.
- Keep away from the tripod if it contacts energized power lines. No-one must touch or operate the tripod until power lines are shut off.
- When setting a tripod up in an area which does have electrical power lines in the vicinity allow enough distance for mast movement and electrical line sway or sag and be aware of strong or gusty winds which might cause the tripod to make contact.
- Ensure product is not being set up in a potentially explosive environment – the tripod is not an ATEX approved product.

- Ensure the light head fitted to the tripod will be powered by an RCD / RCBO or suitably protected supply to prevent risk to operators or damage to the light head.
- The tripod is not designed to be submersed under water.

BODILY INJURY HAZARDS

- It is recommended that the user wears gloves whilst operating or setting up the tripod.
- The tripod is designed to be simple to setup and operate by one person however there may be situations where it is recommended that two people setup the product.
- Do not carry the tripod for long distances in extreme temperatures.
- Set the tripod up so light spill from the fitted light head cannot form a nuisance or danger to others, especially those using machinery.
- Where possible the tripod should be set up away from personnel or moving vehicles.

CRUSHING HAZARDS

- Ensure the tripod is set up on a firm and horizontal flat surface.
- Do not raise the mast until the tripod is positioned level on a firm horizontal flat surface with all three support legs correctly deployed and locked.
- Do not allow personnel under the tripod when the mast is raised or lowered.
- Keep hands and fingers away from any potential pinch points.
- Maintain a firm grasp on the top mast section and take the load when unlocking the twist clamp. The mast will drop downwards causing possible risk to operator or damage to equipment if the clamp is just released without taking up the load.
- Never move the tripod with the mast partly or fully raised.

COLLISION HAZARDS

- Ensure the area around the product and above the product is clear of any possible obstructions before starting to set the tripod up.
- Use common sense and planning when transporting the tripod on any incline or slope.
- On slippery or uneven terrain it is recommended that two people setup the product at all times.
- Make sure when loading the tripod into a vehicle or trolley that it is securely mounted / retained so it cannot fall off or move in such a way that it could harm other items or personnel.

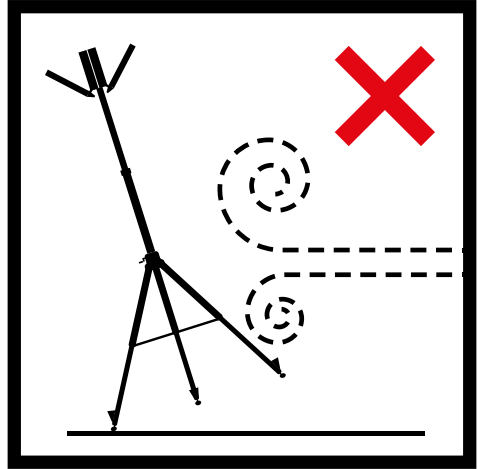
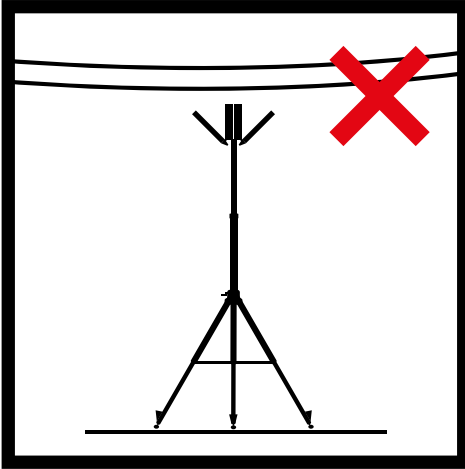
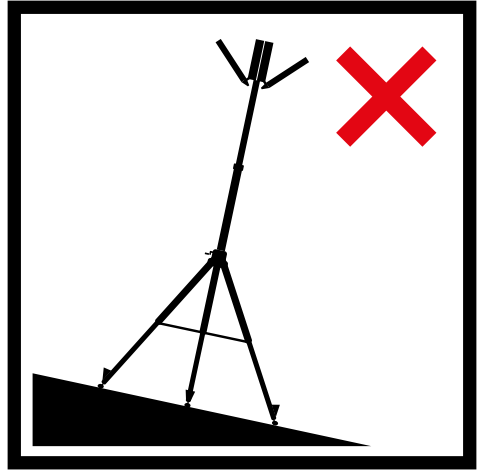
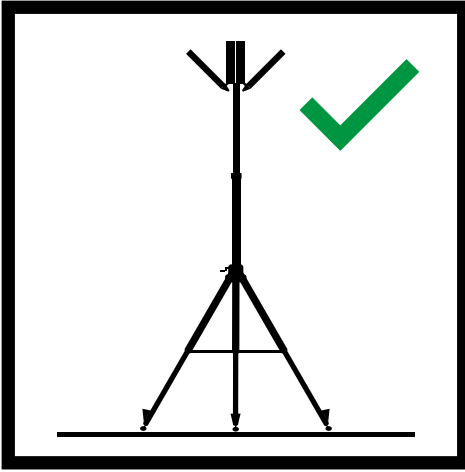
DAMAGED MACHINE HAZARDS

- Do not use a damaged tripod or one that is not working properly.
- Do not use a tripod with a damaged mast.
- Conduct a thorough pre-operation inspection prior to each use.
- Be sure that all labels are in place and legible.

- Do not use if there are any visible damaged parts. Contact your dealer to arrange for spares or repair options.
- Do not use any type of abrasive or strong chemicals to clean the tripod.
- Do not attempt to defeat / modify any of the locks or catches.

IMPROPER USE HAZARD

- Never leave a tripod with light head unattended with the mast raised unless a full risk assessment for the application they are being used for has been undertaken by a competent person. Unauthorized personnel may attempt to operate the tripod without proper instruction potentially causing injury to themselves or others.
- Do not place the tripod on a smooth low friction surface even if firm and level. e.g. snow/ice. The unit could be prone to sliding sideways in these circumstances.
- The tripod must only be operated in a vertical position.
- The device is to be used only for its prescribed purpose. Any use other than that mentioned is considered to be a case of misuse.
- The user/operator, and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.
- It is imperative to observe the local accident prevention regulations.
- The same applies for the general rules of occupational health and safety.
- The manufacturer is not liable for indirect consequential damage and financial loss.
- The manufacturer shall not be liable for any changes made to the device nor for any damage resulting from such changes.
- The tripod is not designed to be setup / used on a live public highway.



Section 3: TECHNICAL SPECIFICATIONS

TRIPOD WEIGHTS / DIMENSIONS	
PRODUCT CODE	SLK45-LITE/TRP/4M
WEIGHT	8.7Kg
CLOSED DIMENSIONS	1320mm x ø180mm
OPEN DIMENSIONS	4000mm x ø2060mm

Section 4: SETTING UP THE TRIPOD

Inspect the proposed area for use.

An inspection of the proposed area in which to set up the tripod is necessary to ensure it is suitable for safe operation. This inspection should be performed by the operator prior to moving the Tripod into position.

The area should be firm, horizontal, level and free from obstructions and potential hazards.

WARNING

Operators should be aware of the following possible hazardous situations. The operator should also remember these hazards, watch and avoid them while moving, setting up and operating the tripod.

- **Uneven terrain, drop-offs or holes**
- **Bumps and floor obstructions**
- **Debris either on proposed site or on route to site**
- **Overhead obstructions and high voltage conductors**
- **Inadequate surface support to withstand the tripod and light head weight**
- **Wind and weather conditions – ice, snow, gusty or strong winds being particularly hazardous to the safe use of the tripod and light head**
- **All other possible unsafe conditions**

Arrange the angle of the light heads as far as possible to ensure that the light heads are not likely to dazzle people in the near vicinity.

Set the tripod up in such a way that it cannot obstruct walkways or areas that form emergency exit routes.

WARNING

The tripod can be used indoors or outdoors. Note Recommended Maximum Wind Speed.

Wherever there is any doubt over the wind speed/conditions the tripod should be lowered for safety.

**Maximum wind speed at 100% height - 25mph without ballast bags.
45mph with ballast bags (minimum 5kg weight per bag)**

If using the tripod for extended periods, a daily check of the unit is required to prevent against misuse or tampering whilst unattended, and to ensure that the surface is still firm, level and stability is not compromised in any way e.g. waterlogged ground.

Section 5: OPERATING INSTRUCTIONS

Do not use the tripod for any purpose other than that for which it is designed – as a stand for light heads.

If more than one operator is expected to set up or use a tripod lighting system at different times, each operator is required to follow all safety rules and instructions in the operators manual. That means every new operator should perform a pre-operation inspection and function tests before using the tripod.

5a) PRE-OPERATION INSPECTION

Always perform a pre-operation inspection.

The Pre-operation inspection is a visual inspection performed by the operator prior to each use of the tripod. This inspection is designed to discover if anything is obviously wrong with a unit before the operator tests it prior to use.

A damaged or modified tripod must never be used. If any damage is discovered the tripod must be removed from service until it has been repaired.

Maintenance and repairs can be executed only by authorised personnel. If any person maintaining or repairing the device is in any doubt, they should contact their dealer or Ritelite (Systems) Ltd.

PRE-OPERATION INSPECTION

Check the following parts or areas for any signs of damage or missing parts.

- Leg locking clamps
- Legs and feet
- Mast column and associated handles / knobs / adjustment points
- Nuts, bolts and other fasteners

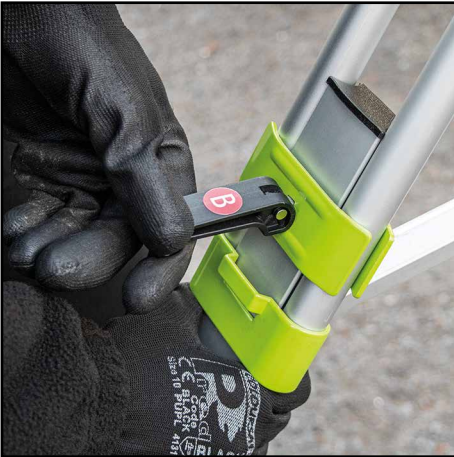
- Check to make sure that there are not dents, weld cracks in the product or signs of significant rust / corrosion.
- Make sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.

Make sure all labels and warnings are present and readable on the product as detailed in section 4 of this manual.

5b) UNIT STABILITY DEPLOYMENT PROCESS



1. Undo the strap which wraps around the tripod legs. Undo the knob marked 'A' on the tripod – fold out legs evenly until the leg tie bars are horizontal to the centre hub point. Tighten knob 'A' to lock off tie bars.



2. Extend legs to required height by individually releasing locking lever 'B', extend leg then re-lock lever 'B' making sure it is secure.



3. Observe the in built level and if required adjust legs accordingly as per instruction (2) so the tripod is level and stable.



4. If conditions demand it, add sand bags to each leg in the position shown.



5. Place required light heads on top of spigot, unwind cable if necessary.



6. Adjust the light head to point in the required direction by slackening knob, then re-tightening once the desired angle is set to prevent it from rotating.



8. Unlock the knurled collar (D) in an anti-clockwise direction and extend the mast upwards to the required height (have someone assist if you are unsure of the weight you can manage), then whilst supporting the load tighten the knurled collar in a clockwise direction (D) fully so it is tight and supporting the weight of the light heads safely.



9. Undo knob (E) then turn handle on main hub in a clockwise direction to raise the mast to the required height.



10. Lock off knob (E) in a clockwise direction to fully secure mast section.



11. Connect the mains input lead to the fitted light head. Observe the local voltage is correct to match the input range of the LED driver (100-277V AC) and switch on / connect power.

5c) BREAKING DOWN OPERATION

Breaking down the tripod to put it away is a reverse of the setting up operation.



1. Switch off power to the fitted light head and disconnect the power cable.



2. Undo anti-clockwise knob (E) and turn the handle anti-clockwise to lower the mast until the next section with the knurled knob (D) comes to rest on the main hub.

Warning pay attention to the descending light head at all time.



4. Next grasp the aluminium section supporting the light heads and undo (D) slowly in an anticlockwise direction until you feel the weight of the light heads as they descend, continue to bear their weight and guide them downwards until they are at a rested position on top of the section below.

⚠ WARNING

Support mast and turn release collar slowly to prevent rapid descent. Under no circumstances allow the light head to drop uncontrolled on to the top of the next section, this will damage the tripod and could cause injury to personnel.



5. Slacken off knob of the light head where it attaches to the tripod mount.



6. Coil up any cables attached to the light head. Lift the light head off the unit and place on the ground.



7. If used remove any sand bags from the legs.



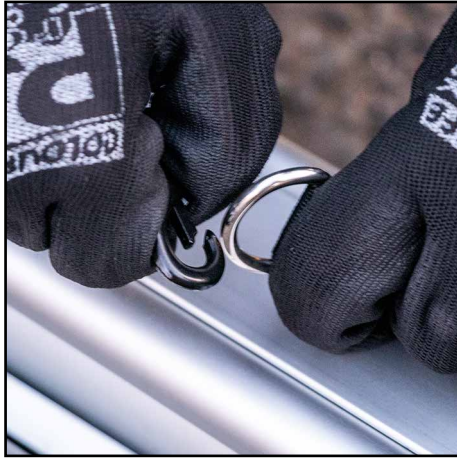
8. Support the tripod and then undo each leg locking lever (B) slide each leg up fully in turn and then lock the lever (B) back to retain.



9. Undo knob (A) then guide the bottom hub upwards to fold all three legs away together. Tighten knob (A) once legs are folded flat to the body of the centre tube.



10. Do the strap up that wraps around the legs to hold them in tight.



11. Make sure the carry strap is securely connected to the D rings for carrying.

WARNING

As you lower the mast always be conscious of other personnel and the surrounding area above and around the tripod. Make sure only persons (MAX 2 people) are in the vicinity of the tripod when it is being taken down.

5d) PACKING AWAY & TRANSPORT

CAUTION

In slippery or uneven terrain it is recommended that two people manoeuvre the product at all times.

Take extra care handling light heads when packing the tripod away for transport in case housings are still hot.

TRANSPORT AND LIFTING INSTRUCTIONS

- The transport vehicle/trolley must be parked on a level surface.
- The transport vehicle/trolley must be secured to prevent rolling while the tripod components are being loaded.
- Be sure the vehicle/trolley capacity, loading surfaces/storage area and chains or straps are sufficient to withstand the tripod weight. See the serial plate on the tripod components for their exact weight.
- The tripod must be secured to the transport vehicles with chains or straps of ample load capacity.

Section 6: MAINTENANCE

- It is recommended that a regular inspection of the complete product is carried out to look for signs of wear and tear and identify possible maintenance required. This should be done by a competent person on at least an annual basis depending on severity and types of use.
- It is recommended that gloves are worn during operation/setting up, breaking down, cleaning and maintenance to protect the user.
- All fasteners, locking mechanisms and latches to be checked for correct operation prior to use.
- Any damaged parts that could pose a risk to the user/personnel must be replaced.
- All sliding and rotating mechanisms must be kept clean and lubricated where applicable.
- The tripod must be taken out of service if, during use, or repair and maintenance serious damage is discovered.
- The tripod can only be put back into use after it has been properly repaired and examined and signed off by authorised personnel.
- The use of spares other than original parts from Ritelite (Systems) Ltd will invalidate any warranty.

ADVICE ON DISPOSAL OF RITELITE PRODUCTS AT END OF LIFE

For our latest advice on the disposal of Ritelite products at end of life please visit the link below.
<https://www.ritelite.co.uk/disposal-advice>

DISCLAIMER OF WARRANTY

For details about the warranty offered on Ritelite products please visit the link below.
<https://www.ritelite.co.uk/warranty-information>

SAFETY AND OPERATING LABELS

ENSURE PRODUCT IS SECURE & STABLE FOR PREVAILING WEATHER AND CONDITIONS

SETTING UP THE ALL TERRAIN TRIPOD

1. Ensure knob (A) is unlocked. Fold out legs.
2. Tighten bottom knob (A) to lock bottom hub.
3. Extend legs to required height and lock all catches (B).
4. Observe level. Adjust catches (B) as required.
5. Place lightheads on top of spigot.
6. Adjust lightheads to suit light spread. Tighten knob (C) to secure lightheads.
7. Untighten collar (D) and lift lightheads to required height. Tighten collar (D) fully to lock in place.
8. Undo knob (E) on main hub and turn handle to raise mast to required height.
9. Tighten knob (E) to secure mast.

K35-Lite - Connect power cable to power supply and turn on.
K45-Lite - Attach cable to driver and follow instructions on driver to turn on.

ENSURE LOAD IS SUPPORTED WHEN UNLOCKING COLLAR D
WARNING - USE BALLAST BAGS X3 (SLK45-LITE/BB)
 FILLED AS REQUIRED TO MAINTAIN MAXIMUM STABILITY
 MAX WIND SPEED - 25MPH
 MAX WIND SPEED WITH BALLAST BAGS ATTACHED - 45MPH

Wear Gloves

To be used by trained and authorised personnel only

Made in the UK

RITELITE (SYSTEMS) LTD

PRODUCT	ALL TERRAIN 4M ALUMINIUM TRIPOD
PRODUCT CODE	SLK45-LITE/TRP/4M
MAX LIGHT HEAD WEIGHT	14Kg
TRIPOD WEIGHT	8.7Kg
COMPACTED HEIGHT	1.32m
MAX HEIGHT	4.0m
MIN LEG SPREAD AREA	0.7m
MAX LEG SPREAD AREA	2.06m
MANUFACTURE DATE	SERIAL NUMBER

WARNING
 Ensure light head is lowered and removed before adjusting legs

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1

2

D ↑

UNLOCK

LOCK

3

POSITION FOR BALLAST BAG

4 **A**


5 **B**

6 **C**






7 **E**




REF.	DESCRIPTION	QUANTITY
1	Instructions for raising and lowering the mast, warnings and data plate	1
2	Bubble level, knob D locking	1
3	Position for ballast bag	3
4	Lower centre mast locking knob	1
5	Leg locking latch	3
6	Light head locking knob (fitted to light head)	1
7	Upper centre mast locking knob	1

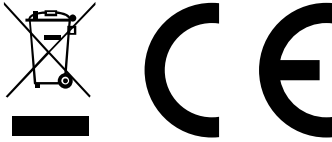
Section 7: OPTIONAL EXTRAS

PRODUCT CODE	DESCRIPTION	PREVIEW
SLK45-LITE/BB	Tripod ballast bags. Sold as a pack of three, add your own ballast.	

Section 8: SPARE PARTS

PRODUCT CODE	DESCRIPTION	PREVIEW
2000874	Bottom hub white plastic guide	
2000875	Bottom hub knob and clamp set	
2000876	Top mast section white plastic guide (2 pcs)	
2000877	Knurled locking collar c/w 'O' ring and plastic guide	
2000878	Tripod foot (adjustable) black	

PRODUCT CODE	DESCRIPTION	PREVIEW
2000879	Led brace, aluminium	
2000880	Wind up handle (complete) green	
2000881	Top hub clamping knob	
2000882	Inner leg clamp set c/w black handle	
2000883	Inner leg aluminium section	



The contents of this manual are subject to change without prior notice. We take no responsibility for errors or admissions.

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