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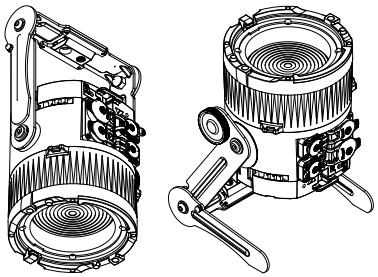
QUIK SPOT



English

Users Manual

ORDER CODE:
AST-QUKSP
MANUAL VERSION: DEMO
DATE OF ISSUE: 01.11.2024

www.astera-led.com/quikspot

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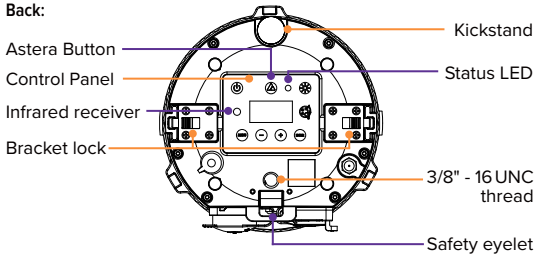
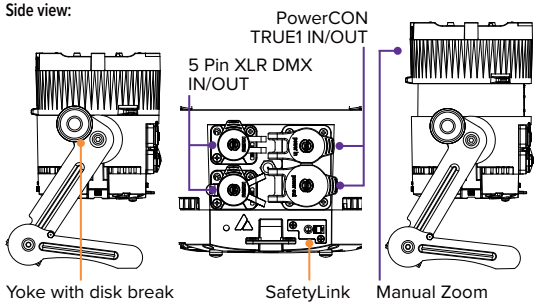


Side view:



USAGE

1. Integrated control panel

Use the menu buttons to navigate through the main menu. Settings for color adjustment and brightness / runtime are directly accessible by two symbol buttons.

	Top navigation /	Inside Main Menu /
⏻	On/Off /	
▲	Astera Button	
MENU	Main Menu /	Back to previous menu /
−	Reset Settings /	Scroll down /
+	Change Input Select /	Scroll up /
ENTER	Set DMX Address /	Choose/Confirm /
	Color adjustment /	
	Brightness and runtime control /	

2. More control options

IR On/Off, Static Colors, Preprogrammed Effects, BlueMode

APP All settings, Complex effects, Talkback+, Updates

DMX Control from DMX consoles via CRMX or Wireless DMX

DMX Control from DMX consoles via 5 Pin XLR DMX cable

DMX RDM Remote Device Management (RDM) wired and wireless

3. Switching On/Off

A new QuikSpot needs a few seconds of charge to disable its shipping mode before it can be switched on.

ON: 1s

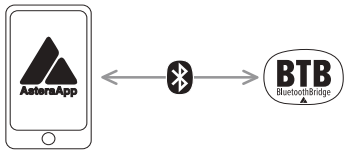
OFF: 1x

4. Charging

While the power cable is connected, the display shows the charging status. Charge immediately when the battery is empty. Do not store the unit when the battery is empty. Charging time is approximately 4 hours.

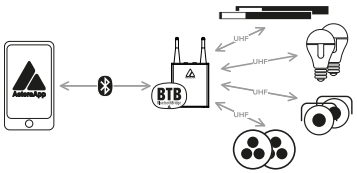
5. Connect BTB

To control your lights with the AsteraApp, first connect a Bluetooth Bridge (BTB). It forwards the AsteraApp signal to paired lights. You may use an AsteraBox as BTB or choose a light with built-in BTB, like QuikSpot, AX9, NYX Bulb, PixelBrick, Titan Tube BTB, Helios Tube BTB.



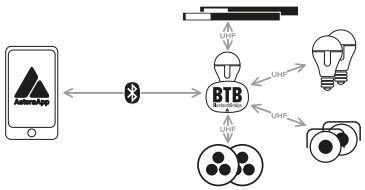
Connect AsteraBox as BTB

Please power on the AsteraBox. Connect the AsteraBox directly from the AsteraApp main menu by following the instructions there.



Connect a light as BTB

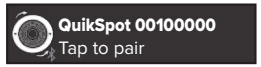
Please note: This ONLY works for Astera lights with built-in Bluetooth. For all other Astera lights, please use an AsteraBox as BTB.



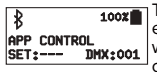
Please power on the light. Hold down the power button for 3 seconds until the light flashes blue. In the AsteraApp press „Manage Bluetooth Bridges“, then “+” and follow instructions on screen to connect.
The light which is connected as BTB shows a small Bluetooth Icon in the display.

1. QuikSpot: 3s

2. AsteraApp



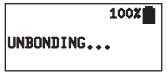
The lights' BTB is connected to the AsteraApp.



The BTB is enabled and waiting for a connection.

7x −

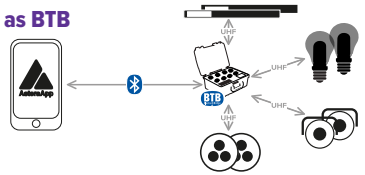
1x ENTER



To disable the BTB again press UNBOND BLUETOOTH.

Connect PrepBox as BTB

Alternatively, a PrepBox can also be used as a BTB. You can find more information on this in the corresponding manual.

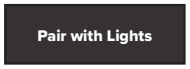


6. Pair with lights

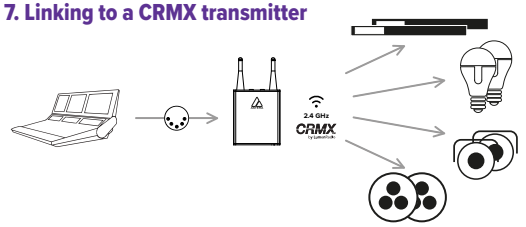
Power on the light. Then hold down the power button for 3 seconds until the light flashes blue. Go to “Pair with Lights” dialog in the AsteraApp. Then press OK. (Alternatively, if the light is in a ChargingCase for QuikSpot, press the Bluemode button on the PrepBox.)

1. QuikSpot: 3s

2. AsteraApp: 1x

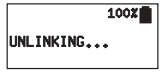


7. Linking to a CRMX transmitter

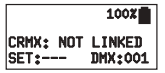


1. QuikSpot: 6x −

2. QuikSpot: 1x ENTER

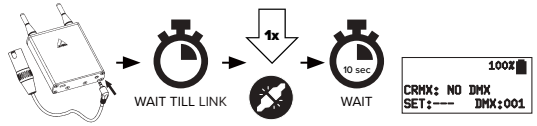


3. QuikSpot



4. AsteraBox

5. QuikSpot

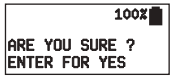


8. Reset

RESET sets „Input Select“ to „AUTO“ and runtime to 5h.

1x −

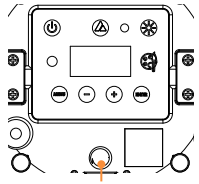
1x ENTER



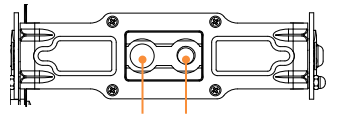
1x ENTER

9. Rigging

The QuikSpot offers a 3/8 inch thread on its back and a 3/8“ thread as well as a 1/2” hole on its removable yoke for attaching various mounting accessories. In addition, accessories with single stud fitting can be attached to the AirlineTrack mount at the bottom of the yoke. When sliding in yoke, make sure both sides click into place.
When hanging, secure with a safety wire at the safety eyelet on the backside. Make sure the light cannot drop more than 20cm if primary mounting fails.



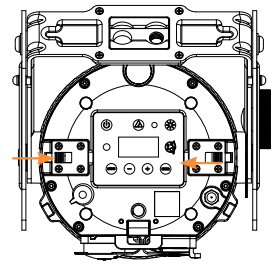
3/8"-16 UNC



1/2" 3/8"-16 UNC

10.Removable Yoke

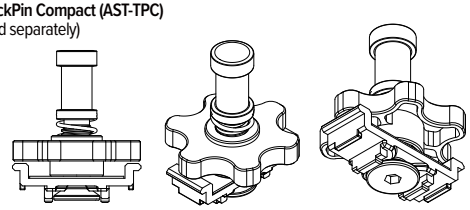
Push the bracket-lock sliders inwards to remove the bracket. When sliding in the bracket, make sure both sides click into place.



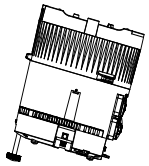
Bracket-lock slider

11. Optional mounting accessory

TrackPin Compact (AST-TPC)
(sold separately)



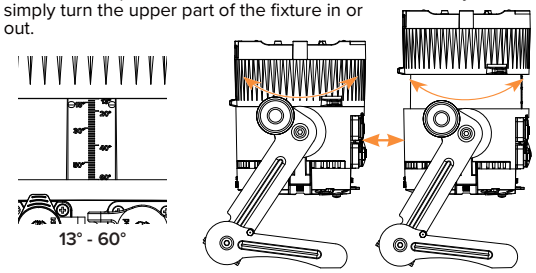
12. Kickstand



Press the button, the kickstand will jump out. Adjust the kickstand while holding the button pressed. Rotate the kickstand for fine-tuning.

13. Manual Zoom

The QuikSpot has a manual zoom of 13° to 60°. To adjust, simply turn the upper part of the fixture in or out.



INTRODUCTION / INTENDED USE

The QuikSpot by ASTERA is a zoomable Fresnel-based LED spotlight for professional use in the event and film business. The QuikSpot is designed for direct or indirect lighting of people, objects or scenery. Due to its built-in battery it can be quickly set up at places where traditional lights cannot be mounted easily. The QuikSpot features the Titan LED engine with excellent color rendering. The QuikSpot produces white or colored light and the color temperature can be adjusted in many ways. The QuikSpot can be controlled with the AsteraApp or with wired DMX or wireless CRMX. The device can also be controlled by the integrated display or by infrared remote control. It is also possible to view and change settings via wired and wireless RDM. Thanks to its built-in Bluetooth it can be used as BluetoothBridge (BTB).
The QuikSpot can be used standing or hanging. For this purpose, the device is equipped with a kickstand and a 3/8" thread. Its removable yoke has a 3/8" thread or a 1/2" hole to attach appropriate mounting accessories. The QuikSpot can be used indoors and outdoors and has an IP65 rating.
Do not shake the device. Avoid brute force when installing or operating the device.
When choosing the installation spot, please make sure that the device is not exposed to extreme heat or dust. Avoid direct sunlight for longer periods of time.
The specified ambient temperature must be maintained. Keep away from direct insulation (particularly in cars) and heaters.
Never use the device during thunderstorms connected to the power mains. Overvoltage could destroy the device. Always disconnect the device during thunderstorms.
Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.
Always fix the fixture with an appropriate safety wire.
Operate the device only after having become familiarized with its functions.
Please consider that unauthorized modifications on the device are not allowed due to safety reasons! If this device is operated in any way different from what is described in this manual, the device may suffer damages and the warranty may be void. The disclaimer includes all damages, liability or injury resulting from failure to follow the instructions in this manual. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, crash etc. This device is not for household use and is not suitable for permanent installation.

SAFETY INFORMATION

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/ rent/ sell the unit to another user. Please use your own caution when operating.
This product is for professional use only. It is not for household use.

- Do not operate the unit in areas of high temperature conditions or under direct sunlight. It may cause abnormal behavior or damage the product.
- Always use a suitable safety wire when mounting the light overhead.
- Connect the safety wire only to the intended safety mount.
- Always follow local safety requirements.

LI-ION Battery: A rechargeable lithium ion battery is built into this unit.

- Only authorized personal may service the battery.
- Do not place in fire or heat.
- Do not use or charge the light if it is damaged.
- Avoid bumping or plunging, it may cause fire or explosion.
- Never store the battery when fully drained. Always recharge immediately when empty. Please do not charge unattended.
- Make sure to fully charge all units before storing them.
- Partially charged batteries will lose capacity.
- Fully recharge every 6 months if not used.
- The battery may only be replaced with an original spare part from Astera.
- Follow applicable laws and regulations for transport, shipping, and disposal of batteries. For details on recycling lithium, lithium-phosphate, and lithium-ion batteries, please contact a government recycling agency or your waste-disposal service.
- Always charge with flight case open.
- It is recommended to charge at a temperature between 15°C and 35°C.

Warning: In extreme cases, abuse or misuse of standard/rechargeable batteries can lead to:

- Explosion
- Fire development
- Heat generation or smoke and gas development.

- Do not look directly into the light.
- It can cause harm to your eyes.
- Do not look at the LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.
- Use only Astera approved accessories to diffuse or modify the light beam.

- Do not open the product housing.
- Do not apply power if the light is damaged.
- Do not submerge the light into any liquid.
- Do not replace the LED light source.
- Caution, risk of electric shock.

The QuikSpot shall be installed near the socket-outlet which shall be easily accessible.
Warning: risk of electric shock - Do not open device.

- The exterior surfaces of the light can become hot, up to 70°C (158°F) during normal operation.
- Ensure that accidental physical contact with the device is impossible.
- Install only in ventilated locations.
- Do not cover the light.
- Allow all lights to cool before touching.
- Keep 0.3m (12in) from objects to be illuminated.

Intertek 5015410

- Conforms to UL Std.1573
- Certified to CSA Std.C22.2 No.166
- NOT FOR HOUSEHOLD USE
- SUITABLE FOR WET LOCATIONS
- CAUTION — RISK OF FIRE

SECONDARY SAFETY MOUNTING

The QuikSpot must always be secured by a safety wire when used in a hanging position. If the primary suspension fails, the device must not fall more than 20cm.

Use Safety eyelet on the backside. Please check the safety regulations in your region.

TROUBLESHOOTING

Problem	Possible cause	Solution
The fixture does not turn on.	The battery may be empty.	Connect it to charge and try again.
The fixture turns on and the display is on, but the LEDs do not emit light.	The fixture could be set to BLACK-OUT mode. Set to display black color or is operating in DMX mode and doesn't receive a valid signal.	It is good practice to do a RESET SETTINGS.
The fixture is not working correctly - it does not display the color or effect chosen.	The fixture may still be operating under a previous setting.	It is good practice to do a RESET SETTINGS between setups.
The power cable is connected but the fixture is not charging.	The battery may be fully charged.	The fixture will only commence charging when its battery has a temperature of 45° C or less. Turn the fixture off and let it cool down; once cold enough, it will start charging.

CLEANING AND MAINTAINING

Caution: Liquids entering the housing of the device can cause a short circuit and damage the electronics. Do not use any cleaning agents or solvents. Only clean using a soft damp cloth.

DISPOSAL

- The light contains a lithium ion battery.
- Don't throw the unit into the garbage at the end of its lifetime.
- Make sure to dispose is according to your local ordinances and/or regulations, to avoid polluting the environment!
- The packaging is recyclable and can be disposed.

MANUFACTURER DECLARATION

Hereby, Astera LED Technology GmbH declares that the type of radio equipment QuikSpot complies with Directive 2014/53 / EU. The full text of the EU Declaration of Conformity is available at the following Internet address: https://astera-led.com/quikspot.

Astera LED Technology GmbH declares that this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be deter-mined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:
• Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation. FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

SPECIFICATIONS - TECHNICAL DATA

Order Code	AST-QUKSP
LED Engine	Titan LED Engine
Colors	RGBMintAmber
Total LED Power	42 W
LED Power Draw	35 W
CRI (Ra)/ TLCI 3200 - 6500k*	≥96
Strobe	0 - 25Hz
Pixel	1
Battery Runtime (max. Brightness)	5 hours
Battery Lifetime	70 % after 300 cycles
Charging Time (nominal)	4 hours
AC Input	100 - 240 VAC, 50/60 Hertz, 35 W, 115 VAC - 0.3 A / 230 VAC - 0.15 A
AC Connector	PowerCON TRUE1 IN/OUT
Power Consumption (max.)	tba.
Wired DMX	Yes
CRMX Receiver	Built-in
BluetoothBridge BTB	Built-in
Wireless Protocols	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX/UHF up to 300 m / 330 yds Bluetooth up to 3 m / 3.3 yds
RDM Support	Wireless and wired
Infrared Control	Yes
IP Rating unwired	IP65
IP Rating wired	IP65
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	3450 g / 7.6 lbs
Dimensions (L x W x D)	164 mm x 164 mm x 182 mm / 6.45 " x 6.45 " x 7.16 "

All specifications provided are typical values and may be subject to change without prior notice.

RF CHARACTERISTICS

Wireless Modules	Modulation	ERP (Transmitter)	Channel Count
EU: UHF***(863-870 MHz)	FHSS	< 25 mW	47
USA: UHF (917-922.20 MHz)	FHSS	< 25 mW	53
AUS: UHF (922.30-927.50 MHz)	FHSS	< 25 mW	53
SGP: UHF (920.50-924.50 MHz)	FHSS	< 25 mW	41
KOR: UHF (917.9-921.5 MHz)	FHSS	< 25 mW	10
RUS: UHF (868.75-869.12 MHz)	FHSS	< 25 mW	6
JPN: UHF (922.80-926.40 MHz)	FHSS	< 25 mW	19
CRMX (2402-2480 MHz)	FHSS	-	79
Bluetooth 5.0 LE (2402-2480 MHz)	FHSS	10 mW (BLE)	40
WiFi (2412-2472 MHz)	DSSS, OFDM	< 100 mW	13

***General allocation of frequencies for use by short-range radio applications Spectrum usage regulations:

Frequency range in MHz[1)]	Maximum equivalent radiant power (ERP)	Additional parameters / frequency access and interference mitigation techniques
865 - 868	25 mW	Requirements for frequency access and mitigation techniques[3)] Alternatively, a maximum duty cycle[2)] of 1% can be used.
868,0 - 868,6	25 mW	Requirements for frequency access and mitigation techniques[3)] Alternatively, a maximum duty cycle2) of 1% can be used.
868,7 - 869,2	25 mW	Requirements for frequency access and mitigation techniques[3)] Alternatively, a maximum duty cycle[2)] of 0.1% can be used.
869,40 - 869,65	500 mW	Requirements for frequency access and mitigation techniques[3)] Alternatively, a maximum duty cycle[2)] of 10% can be used.
869,7 – 870,0	25 mW	Requirements for frequency access and mitigation techniques[3)] Alternatively, a maximum duty cycle[2)] of 1% can be used.

1) The use of adjacent frequency bands within this table as a single frequency band is permitted, provided that the specific conditions for each of these adjacent frequency bands are met.
2) „duty cycle" means the ratio of $\Sigma(T_{on})/(T_{obs})$ expressed as a percentage, where ‚T_{on}' is the ‚on-time' of a single transmitting device and ‚T_{obs}' is the observation period T_{on} is measured in an observation frequency band (F_{obs}). Unless otherwise specified in this general allocation, T_{obs} is a continuous period of one hour and F_{obs} is the applicable frequency band in this general allocation (table).
3) Frequency access and interference mitigation techniques shall be used whose performance level at least meets the essential requirements of Directive 2014/53/EU or the Radio Equipment Act (FuAG). Where relevant techniques are described in harmonized standards, the references of which have been published in the Official Journal of the European Union pursuant to Directive 2014/53/EU, or parts thereof, performance shall be ensured which is at least equivalent to those techniques.