

SOLA BULB



Connect Aterabox as BTB / Mit Aterabox als BTB verbinden / Collegamento di Aterabox come BTB

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

Schalten Sie die Aterabox ein. Stellen Sie eine Verbindung zur Aterabox direkt aus dem Aterabox-Hauptmenü her, indem Sie den entsprechenden Anweisungen folgen.

Accendere Aterabox. Collegare Aterabox direttamente dal menu principale di Aterabox seguendo le istruzioni riportate.

Connect light as BTB / Mit Leuchte als BTB verbinden / Collegamento della luce come BTB

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

Beachten Sie bitte: Dies gilt NUR für Astera Leuchten mit integriertem Bluetooth. Für alle anderen Astera Leuchten, verwenden Sie bitte eine Aterabox als BTB.

Nota: funziona SOLO per luci Astera con Bluetooth integrato. Per tutte le altre luci Astera, utilizzare un Aterabox come BTB.

User Manual

Benutzerhandbuch

Manuale utente

Manual del usuario

Manuel d'utilisation

用戶手冊

ORDER CODE:
AST-BLBSL-E27 / AST-BLBSL-E26 /
AST-BLBSL-B22

MANUAL VERSION: 1.0

DATE OF ISSUE: 13.06.2025

CONTENT / INHALT / ENTITÀ DELLA FORNITURA

1. Solabulb (AST-BLBSL-E27 / AST-BLBSL-E26 / AST-BLBSL-B22)

2. Waterproof Protection Cover for DC Port on NYX Bulb and Solabulb (FPS-SP)

3. User Manual / Benutzerhandbuch / Manuale utente

PRODUCT OVERVIEW / PRODUKTÜBERSICHT / PANORAMICA DEL PRODOTTO

Accendere la luce. Tenere premuto il pulsante di alimentazione per 3 secondi fino a che la luce lampeggia in blu. In AterApp premere "Manage Bluetooth Bridges" (Gestisci Bluetooth Bridge), quindi "1" e seguire le istruzioni sullo schermo per collegarsi. Per la luce collegata come BTB viene visualizzata una piccola icona Bluetooth sul display.



To disable the BTB again press UNBOND BLUETOOTH in the AterApp.

Um die BTB wieder zu deaktivieren, drücken Sie UNBOND BLUETOOTH in der AterApp.

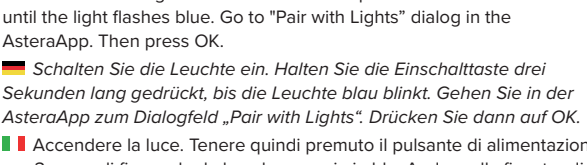
Per disabilitare di nuovo il BTB premere UNBOND BLUETOOTH (sceglia bluetooth) in AterApp.

4. Pair with lights / Mit Leuchten koppeln / Associazione con luci

Power on the light. Then hold down the power button for 3 seconds until the light flashes blue. Run to "Pair with lights" dialog in the AterApp. Then press OK.

Schalten Sie die Leuchte ein. Halten Sie die Einschaltstaste drei Sekunden lang gedrückt, bis die Leuchte blau blinkt. Gehen Sie in der AterApp zum Dialogfeld „Pair with lights“. Drücken Sie dann auf OK.

Accendere la luce. Tenere quindi premuto il pulsante di alimentazione per 3 secondi fino a che la luce lampeggia in blu. Andare alla finestra di dialogo "Pair with lights" (Associazione con luci) in AterApp. Premere OK.

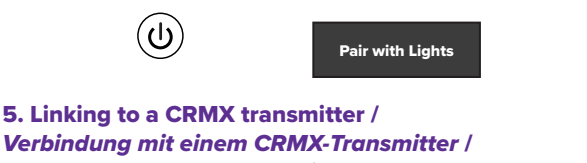


5. Linking to a CRMX transmitter / Verbindung mit einem CRMX-Transmitter / Collegamento a un trasmettitore CRMX

Power on the light. Then hold down the power button for 3 seconds until the light flashes blue. Run to "Pair with lights" dialog in the AterApp. Then press OK.

Schalten Sie die Leuchte ein. Halten Sie die Einschaltstaste drei Sekunden lang gedrückt, bis die Leuchte blau blinkt. Gehen Sie in der AterApp zum Dialogfeld „Pair with lights“. Drücken Sie dann auf OK.

Accendere la luce. Tenere quindi premuto il pulsante di alimentazione per 3 secondi fino a che la luce lampeggia in blu. Andare alla finestra di dialogo "Pair with lights" (Associazione con luci) in AterApp. Premere OK.

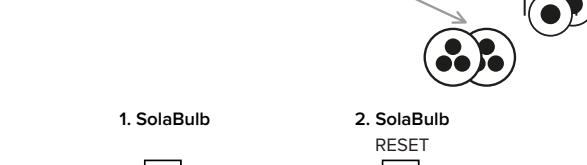


6. Reset / Reset / Reset

RESET to initiate CRMX and unbond Bluetooth. Set „Input Select“ to „AUTO“ and runtime to MAX. A reset is recommended before each use and is carried out as follows: hold the button, the light will first turn off, then back on again and it blinks blue. Keep holding the button until blinking stops and the light comes on red again.

Mit RESET zurücksetzen, um die CRMX-Verbindung auszusuchen und die Bluetooth-Verbindung aufzulösen. Die Eingangsauswahl „Input Select“ auf „AUTO“ und Runtime auf MAX. Ein Reset wird empfohlen vor jeder Nutzung und wird wie folgt durchgeführt: Halten Sie die Taste gedrückt, die Leuchte schaltet sich zuerst aus und wieder ein, dann blinkt sie blau. Halten Sie die Taste gedrückt, bis das Blinken aufhört und die Leuchte rot erscheint.

Eseguire un RESET per scollegare il CRMX e la Bluetooth. Impostare "Input Select" (Seleziona ingresso) su "AUTO" e il tempo di funzionamento su MAX. Un reset è consigliato prima di ogni utilizzo e si esegue premendo il pulsante, la luce si spegnerà, quindi si riaccenderà e lampeggerà in blu. Continuare a tenere premuto il pulsante fino a che la luce non lampeggerà più e diventerà di nuovo rossa.



7. Remote Device Management (RDM) wireless / Remote Device Management (RDM) wireless / Remote Device Management (RDM) wireless

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INTRODUCTION / INTENDED USE

The Solabulb by ASTERA is a zoomable Fresnel-based LED bulb for professional use in the event and film industry. The Solabulb is designed for direct or indirect lighting of people, objects or scenery. The Solabulb features the Titan LED engine with excellent color rendering. The Solabulb produces white or cool light and the color temperature can be adjusted in many ways. The Solabulb can be controlled with the AterApp or wireless CRMX. It can also be controlled by the integrated button or can be used with an infrared remote control. It is also possible to view and change settings via wireless RDM. Thanks to its built-in Bluetooth, it can be used as a BluetoothBridge (BTB). It can be powered by AC from an E26 / E27 / B22 socket. It can also be powered via its DC socket with the Astera Power-Station (FPS-SP), used as an external battery and can control any use. The device is equipped with a 1/4" - 20 UNC and a 3/8" - 16 UNC thread for attaching appropriate mounting accessories. The Solabulb can be used indoors and outdoors with an IP44 rating (only with Waterproof Protection Cover (FPS-SP) in DC port).

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 a longer period of time. The device's internal temperature must be maintained. Keep away from direct insulation (particularly in cars) and heaters. Never use the device connected to the power mains during thunderstorms. Overvoltage could destroy the device. Always disconnect the device during thunderstorms. Make sure that the area below the installation place is blocked when rigging, securing or servicing the lamp.

For lamps with a weight significantly higher than that of the lamps for which they are a replacement, attention should be drawn to the fact that the increased weight may reduce the mechanical stability of certain luminaires and lampholders and may impair contact making and lamp function.

Operate the device only after having become familiarized with its functions. Device is not dimmable via standard dimmers. Use AterApp for dimming. Please use only authorized modifications on the device are not allowed due to safety reasons! If this device is operated in a way different to the one described in this manual, the product may suffer damage and the warranty might be voided. 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, burn, 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 function or damage the product.
- Make sure the unit is mounted properly and safely according to local safety requirements.
- Do not open the product housing.
- Do not place in fire or heat.
- Do not use the unit if it is damaged.
- Avoid bumping or pulling it.
- Do not submerge the unit into any liquid.
- Do not use with standard dimmers.

- Do not look directly into the light. It can cause harm to your eyes.
- Do not look into the light source 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 apply power if the unit is damaged.
- Do not submerge the unit into any liquid.
- Do not replace the LED light source.
- Caution, risk of electric shock.

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

- Cleaning and Maintenance

- Caution: Liquids entering the housing of the device can cause a short circuit and damage the device. Clean with a soft cloth.

- Use thread on the backside for safety eyelets.

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SPECIFICATIONS - TECHNICAL DATA

Order Code	AST-BLBSL-E27 / E26 / B22
LED Engine	Titan LED Engine
Colors	RGBMiniAmber
LED Power Draw	15 W
Luminous Flux 2700 K	279 Lumens
Luminous Flux 3200 K	353 Lumens
Luminous Flux 4000 K	347 Lumens
Luminous Flux 5500 K	394 Lumens
Luminous Flux 6500 K	376 Lumens
Light Output 5500 K 15° @ 1m	5228 Lux
Light Output 5500 K 30° @ 1m	1652 Lux
Light Output 5500 K 50° @ 1m	615 Lux
CRI (Ra) / TLCI 3200 - 6500K	> 96
Beam Angle	15° - 50°
Field Angle	23° - 73°
Strobe	0 - 25Hz
DC Input	9-18 VDC 2.1A MAX
DC Connector	3.5 mm x 1.35 mm
AC Input E27/B22	100 - 240 VAC, 50 / 60 Hertz, 0.15 A / 230 VAC
AC Input E26	100 - 120 VAC, 50 / 60 Hertz, 0.3 A / 115 VAC
AC Connector	E26 / E27 / B22
Power Consumption (max.)	16.5 W
Wired DMX	N/A
CRMX Receiver	Built-in
BluetoothBridge BTB	Built-in
Wireless Protocols	CRMX, UHF, Bluetooth, WiFi
Wireless Range	CRMX/UHF up to 100 m / 300 ft Bluetooth up to 3 m / 3.3 yds
RDM Support	Wireless
Infrared Control	Yes
IP Rating	IP20: connected via DC socket IP44: connected via AC + FPS-SP in DC socket
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	433 g / 0.955 lbs
Dimensions (L x W x D) (zoom in)	114.6 mm x 91.8 mm x 91.8 mm / 4.51" x 3.61" x 3.61" (E26) 117.6 mm x 91.8 mm x 91.8 mm / 4.63" x 3.61" x 3.61" (E27) 162.6 mm x 91.8 mm x 91.8 mm / 6.4" x 3.61" x 3.61" (B22) 134.6 mm x 91.8 mm x 91.8 mm / 5.3" x 3.61" x 3.61" (E26) 137.6 mm x 91.8 mm x 91.8 mm / 5.42" x 3.61" x 3.61" (E27) 136.2 mm x 91.8 mm x 91.8 mm / 5.36" x 3.61" x 3.61" (B22)
Dimensions (L x W x D) (zoom out)	134.6 mm x 91.8 mm x 91.8 mm / 5.3" x 3.61" x 3.61" (E26) 137.6 mm x 91.8 mm x 91.8 mm / 5.42" x 3.61" x 3.61" (E27) 136.2 mm x 91.8 mm x 91.8 mm / 5.36" x 3.61" x 3.61" (B22)
Mounting Options	3/8" - 16 UNC thread, 1/4" - 20 UNC thread, E26/E27/B22 socket

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	Maximum equivalent radiated power (ERP)	Additional parameters / frequency access and interference mitigation techniques
865 - 868	25 mW	Requirements for frequency access and mitigation techniques ¹⁾ . Alternatively, a maximum duty cycle ²⁾ of 1% can be used.
868.0 - 868.6	25 mW	Requirements for frequency access and mitigation techniques ¹⁾ . Alternatively, a maximum duty cycle ²⁾ of 1% can be used.
868.7 - 869.2	25 mW	Requirements for frequency access and mitigation techniques ¹⁾ . 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 ¹⁾ . Alternatively, a maximum duty cycle ²⁾ of 10% can be used.
869.7 - 870.0	25 mW	Requirements for frequency access and mitigation techniques ¹⁾ . 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 (Ton/Tobs) expressed as a percentage, where Ton is „the on-time“ of a single transmitting device and Tobs is the observation period. Ton is measured in an observation frequency band (Fobs). Unless otherwise specified in this general allocation, Tobs is a continuous period of one hour and Fobs is the applicable frequency band in this general allocation (table).

Requirements for 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 (FAG). Where relevant techniques are described in harmonized standards or parts thereof, 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.

Ein Frequenzband kann als ein einziges Frequenzband genutzt werden, wenn die spezifischen Bedingungen für jedes dieser benachbarten Frequenzbänder erfüllt sind.

2) „Duty Cycle“ bedeutet das Verhältnis von Ton/Tobs ausgedrückt als Prozentsatz, wobei Ton „die Einschaltzeit“ einer einzelnen Sendereinrichtung und Tobs die Beobachtungszeit ist. Ton wird in einer Beobachtungsfrequenzband (Fobs) gemessen wird. Sofern nicht anders angegeben, ist Tobs ein kontinuierlicher Zeitraum von einer Stunde und Fobs ist die anwendbare Frequenzband in dieser allgemeinen Frequenzvergabe (Tabelle).

Anforderungen für den Frequenzzugang und Störungsminimierungstechniken zu verwenden, deren Leistungsumfang mindestens den grundlegenden Anforderungen der Richtlinie 2014/53/EU oder des Funkanlagengesetzes (FAG) entspricht. Soweit einschlägige Techniken in harmonisierten Normen oder in Auszügen daraus beschrieben sind, deren Verweise im Amtsblatt der Europäischen Union gemäß der Richtlinie 2014/53/EU veröffentlicht wurden, ist eine Leistung zu gewährleisten, die diesen Techniken mindestens gleichwertig ist.

Questo dispositivo può essere utilizzato come frequenza di lavoro solo se i requisiti essenziali della direttiva 2014/53/UE o della legge sulle apparecchiature radio (FAG) sono rispettati. I riferimenti delle quali siano stati pubblicati nella Gazzetta ufficiale dell'Unione Europea conformemente alla direttiva 2014/53/UE o relative parti, devono essere garantiti prestazioni che siano almeno equivalenti a tali tecniche.

1) „Ciclo di lavoro“ significa il rapporto T(on)/T(obs) espresso come percentuale. T(on) è il tempo di accensione di un singolo dispositivo trasmettitore e T(obs) è il periodo di osservazione. Ton misurato in una banda di frequenza di osservazione (Fobs). Salvo diversamente specificato in questa assegnazione generale, Tobs è un periodo continuo di 1 ora e Fobs è la banda di frequenza applicabile in questa assegnazione generale (tabella).

2) Devono essere utilizzate tecniche di attenuazione delle interferenze e di accesso alle frequenze al livello di prestazione soddisfatti almeno i requisiti essenziali della direttiva 2014/53/UE o delle leggi sulle apparecchiature radio (FAG). Laddove vengono descritte tecniche rilevanti in norme armonizzate, i riferimenti delle quali siano stati pubblicati nella Gazzetta ufficiale dell'Unione Europea conformemente alla direttiva 2014/53/UE o relative parti, devono essere garantiti prestazioni che siano almeno equivalenti a tali tecniche.

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