

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.

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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.

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

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)

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PRODUCT OVERVIEW / PRODUKTÜBERSICHT / PANORAMICA DEL PRODOTTO

1. 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.

1. Solabulb 2. Astera App 3. Astera App

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 Einschalttaste 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

1. Solabulb 2. Astera App

3. AsteraApp

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

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

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 auszuwählen und die Bluetooth-Verbindung aufzuheben. Die Eingangsauswahl „Input Select“ auf „AUTO“ und „Runtime“ auf „MAX“ einstellen. Es wird empfohlen, ein Reset vor jedem Gebrauch durchzuführen. 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 il Bluetooth. Impostare "Input Select" (Seleziona ingresso) su "AUTO" e il tempo di funzionamento su su MAX. Prima di ogni uso si consiglia di effettuare un reset. A tale scopo procedere come segue: tenere premuto 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. Riggig / Montage / Montage

Solabulb has a 1/4" -20 UNC and a 3/8" -16 UNC thread on the back, which can be used to attach BabyPins.

Solabulb verfügt über die Gewinde 1/4"-20 UNC bzw. 3/8"-16 UNC auf der Rückseite, mit denen BabyPins befestigt werden können.

La Solabulb ha una filettatura 1/4" -20 UNC e 3/8" -16 UNC sul retro, che può essere utilizzata per fissare i BabyPin.

8. Manual Zoom / Manueller Zoom / Zoom manuale

The Solabulb has a manual zoom of 15° to 50°. To adjust, simply turn the upper part of the fixture in or out. There is an additional mechanical stop at 30 degrees.

Die Solabulb bietet einen manuellen Zoom von 15° bis 50°. Zum Einstellen wird der obere Teil der Leuchte einfach nach innen oder außen gedreht. Es gibt einen zusätzlichen mechanischen Stopp bei 30 Grad.

La Solabulb offre uno zoom manuale da 15° a 50°. Per regolarlo, e sufficiente ruotare la parte superiore del dispositivo verso l'interno o verso l'esterno. C'è una fermata meccanica aggiuntiva a 30 gradi.

9. Optional Accessories / Wahlweise erhdtliches Zubehör / Accessori opzionali

Solabulb (AST-BLBSL-SN) is a simple anti-glare ring that can be purchased separately. To attach it, simply turn it clockwise until you hear it click into place.

Solabulb (AST-BLBSL-SN) ist ein einfacher, Anti-Blend-Ring, der separat erhältlich ist. Zur Befestigung den Ring einfach im Uhrzeigersinn solange eindrehen, bis er hörbar einrastet.

Carticcino Solabulb (AST-BLBSL-SN) è un semplice anello antiriflesso forata acquistabile separatamente. Per fissarlo, basta ruotarlo in senso orario fino a quando non si sente un clic che indica l'avvenuto posizionamento.

10. Disposal / Entsorgung / Smaltimento

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Make sure to dispose of according to your local ordinances and/or regulations, to avoid polluting the environment.

The packaging is recyclable and can be disposed of accordingly.

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SOLA BULB



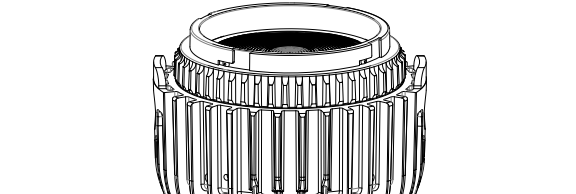
Manual del usuario Manuel d'utilisation 用户手册 Benutzerhandbuch Manuale utente

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CONTENIDO / CONTENU / 目录

- SolaBulb (AST-BLSL-E27 / AST-BLSL-E26 / AST-BLSL-B22)
- Waterproof Protection Cover for DC Port on NYX Bulb and SolaBulb (FPS-PS)
- Manual del usuario/Manual d'utilisateur / 用户手册

VISTA GENERAL DEL PRODUCTO / APPERÇU DU PRODUIT / 产品概览



1. SolaBulb 2. Astera App 3. Astera App

Para desactivar el BTB de nuevo pulse UNBOND BLUETOOTH en la AsteraApp.

Para désactiver à nouveau le BTB, appuyez sur UNBOND BLUETOOTH dans l'AsteraApp.

如需再次关闭 BTB，请按 AsteraApp 中的 UNBOND BLUETOOTH。

4. Emparejar con luces / Coupler avec des lampes / 与灯具配对

Encienda el dispositivo de iluminación. A continuación, mantenga pulsado el botón durante 3 segundos hasta que la luz parpadee en azul. Seleccione el cuadro «Pair with Lights» en la AsteraApp. A continuación pulse OK.

1. SolaBulb 2. Astera App

5. Conexión a un transmisor CRMX / Relier à un transmetteur CRMX / 连接 CRMX 发射器

1. SolaBulb 2. Astera App

Encendido/Apagado / Mettre en Marche/Arrêt / 打开/关闭

Para encender la SolaBulb, debe enroscarse en un casquillo conectado a una fuente de alimentación. La Astera PowerStation (FPS-PS) puede utilizarse como batería externa y unidad de control al conectarse a la toma de corriente de CC integrada del SolaBulb.

1. SolaBulb 2. Astera App

2. Opciones de control / Plus d'options de commande / 控制选项

Encendido/Apagado, Colores Estáticos mediante BlueMode / On/Off, Colores Estáticos, Efectos Preprogramados, BlueMode / 开关、静态颜色、通过 BlueMode

On/Off, Colores Estáticos, Efectos Preprogramados, BlueMode / 开关、静态颜色、预编程效果、BlueMode

Todos los ajustes, Efectos complejos, Talkback, actualizaciones / Tous les réglages, effets complexes, Talkback, mises à jour / 所有设置、复杂效果、Talkback、更新

Control desde consolas DMX mediante CRMX o vDMX / Commande depuis des consoles DMX via CRMX ou vDMX sans fil / 通过 CRMX 或无线 DMX，从 DMX 控制台控制

Administración remota de dispositivos (RDM) inalámbrica / Remote Device Management (RDM) sans fil / 无线远程控制管理 (RDM)

3. Conectar BTB / BTB connecté / 连接 BTB

Para conectar sus luces a la AsteraApp, conecte primero un Bluetooth Bridge (BTB). Este transmite la señal de la AsteraApp a luces empujadas. Puede usar una AsteraApp como BTB o seleccionar un dispositivo de iluminación con BTB integrado, como SolaBulb, AX9, NYX Bulb, PixelBulb, Titan Tube BTB, Helios Tube BTB.

■ 要使用 AsteraApp 控制您的灯具，首先要连接一个 Bluetooth Bridge (BTB)。它发送 AsteraApp 信号并传输到灯具。您可以使用 AsteraBox 作为 BTB，或选择带有内置 BTB 的灯具，如 SolaBulb, AX9, NYX Bulb, PixelBulb, Titan Tube BTB, Helios Tube BTB。

Conectar la AsteraBox como BTB / Connecter l'AsteraBox comme BTB / 连接 AsteraBox 作为 BTB

■ Por favor, encienda la AsteraBox. Conecte la AsteraBox directamente desde el menú principal de la AsteraApp y siga las instrucciones indicadas.

■ Veuillez allumer l'AsteraBox. Connectez l'AsteraBox directement depuis le menu principal de l'AsteraApp en suivant les instructions.

■ 请打开 AsteraBox 的电源。按照 AsteraApp 主菜单中的指引直接连接 AsteraBox。

Conectar el dispositivo de iluminación como BTB / Connecter la lampe comme BTB / 连接灯具作为 BTB

■ Tenga en cuenta: existe SOLO funciona con dispositivos de iluminación con Bluetooth integrado. Para los demás dispositivos de iluminación Astera, utilice una AsteraBox como BTB.

■ A noter : cela fonctionne SEULEMENT pour les lampes Astera avec Bluetooth intégré. Pour toutes les autres lampes Astera, veuillez utiliser une AsteraBox comme BTB.

■ 请注意：此操作仅适用于内置蓝牙的 Astera 灯具。对于所有其他 Astera 灯具，请使用 AsteraBox 作为 BTB。

■ Por favor, encienda el dispositivo de iluminación. Mantenga pulsado el botón durante 3 segundos hasta que la luz parpadee en azul. En la AsteraApp pulse «Manage Bluetooth Bridges», a continuación «+» y siga las instrucciones de la pantalla para conectar el dispositivo. El dispositivo conectado como BTB muestra un pequeño icono de Bluetooth en la pantalla.

■ Veuillez allumer la lampe. Maintenez le bouton marche pendant 3 secondes jusqu'à ce que la lampe clignote en bleu. Dans l'AsteraApp, appuyez sur «Manage Bluetooth Bridges», puis «+» et suivez les instructions à l'écran pour vous connecter. La lampe qui est connectée comme BTB affiche une petite icône Bluetooth sur l'écran.

■ 请打开灯具电源。按下电源按钮 3 秒种，直到灯具闪烁蓝色。在 AsteraApp 中，按下「Manage Bluetooth Bridges」，再按「+」，然后按照屏幕提示进行连接。在显示屏中，连接作为 BTB 的灯具会显示一个小的蓝牙图标。

1. SolaBulb 2. Astera App 3. Astera App

Para desactivar el BTB de nuevo pulse UNBOND BLUETOOTH en la AsteraApp.

Para désactiver à nouveau le BTB, appuyez sur UNBOND BLUETOOTH dans l'AsteraApp.

如需再次关闭 BTB，请按 AsteraApp 中的 UNBOND BLUETOOTH。

4. Emparejar con luces / Coupler avec des lampes / 与灯具配对

Encienda el dispositivo de iluminación. A continuación, mantenga pulsado el botón durante 3 segundos hasta que la luz parpadee en azul. Seleccione el cuadro «Pair with Lights» en la AsteraApp. A continuación pulse OK.

1. SolaBulb 2. Astera App

5. Conexión a un transmisor CRMX / Relier à un transmetteur CRMX / 连接 CRMX 发射器

1. SolaBulb 2. Astera App

Encendido/Apagado, Colores Estáticos mediante BlueMode / On/Off, Colores Estáticos, Efectos Preprogramados, BlueMode / 开关、静态颜色、通过 BlueMode

On/Off, Colores Estáticos, Efectos Preprogramados, BlueMode / 开关、静态颜色、预编程效果、BlueMode

Todos los ajustes, Efectos complejos, Talkback, actualizaciones / Tous les réglages, effets complexes, Talkback, mises à jour / 所有设置、复杂效果、Talkback、更新

Control desde consolas DMX mediante CRMX o vDMX / Commande depuis des consoles DMX via CRMX ou vDMX sans fil / 通过 CRMX 或无线 DMX，从 DMX 控制台控制

Administración remota de dispositivos (RDM) inalámbrica / Remote Device Management (RDM) sans fil / 无线远程控制管理 (RDM)

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■ Afin de commander vos lampes avec l'application Astera, vous devez d'abord connecter un port Bluetooth (BTB). Il transmet le signal de l'AsteraApp aux éclairages connectés. Vous pouvez utiliser une AsteraBox comme BTB ou choisir une lampe avec un BTB intégré comme les modèles SolaBulb, AX9, NYX Bulb, PixelBulb, Titan Tube BTB, Helios Tube BTB.

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Conectar el dispositivo de iluminación como BTB / Connecter la lampe comme BTB / 连接灯具作为 BTB

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INTRODUCCIÓN / USO PREVISTO

La SolaBulb de ASTERA es una bombilla LED con control basado en Fresnel para uso profesional en la industria de eventos y cine. La SolaBulb está diseñada para la iluminación directa e indirecta de personas, objetos o escenarios. Cuenta con el motor LED Titan con excelente reproducción cromática. La SolaBulb produce luz blanca de color y la temperatura de color se puede ajustar de múltiples formas. La SolaBulb puede controlarse con la AsteraApp o CRMX inalámbrico. También puede manejarse con un control remoto de personas, objetos o escenarios. Es posible visualizar y cambiar configuraciones mediante RDM inalámbrico. Gracias al Bluetooth integrado puede utilizarse como Bluetooth Bridge (BTB). Puede alimentarse con AC desde un casquillo E26 / E27 / B22, o a través de su puerto DC con la Astera PowerStation (FPS-PS), utilizada como batería externa y unidad de control. El dispositivo está equipado con un puerto USB-C para la conexión de cables de datos. No agite el dispositivo. Evite aplicar fuerza bruta durante la instalación o el funcionamiento. Al elegir el lugar de instalación, asegúrese de que el dispositivo no esté expuesto a calor extremo o polvo. Evite la luz solar directa prolongada. Se debe mantener la temperatura ambiente especificada. Mantener alejado de aislamiento directo (especialmente en coches) y radiadores. Nunca use el dispositivo conectado a la red eléctrica durante tormentas eléctricas. Una sobretensión podría destruirlo. Siempre desenchufar después de las tormentas. Asegurese de que el área debajo del lugar de instalación esté bloqueada durante el montaje, desmontaje o mantenimiento. Para lámparas con un peso significativamente mayor que el de las lámparas que reemplazan, debe advertirse que el mayor peso puede reducir la estabilidad mecánica de ciertas luminarias y materiales, y puede afectar el control y la retención de la lámpara. Utilice el dispositivo solo después de familiarizarse con sus funciones. El dispositivo no es regulable con atenuadores estándar. Use la AsteraApp para ajustar. Consulte el manual de instrucciones para obtener más información y la garantía quedará anulada. La exención de responsabilidad incluye a todos los daños, responsabilidades o lesiones resultantes de no seguir las instrucciones o cualquier otro uso no autorizado. Este dispositivo no es para uso doméstico ni para instalación permanente.

Antes de utilizar este dispositivo, lea atentamente el manual. Asegúrese siempre de incluir el manual si transfiriere/alguna/vende el dispositivo a otro usuario. Por favor, utilice el dispositivo con precaución. Este producto es sólo para uso profesional. No es apto para uso doméstico.

- No utilice el dispositivo en zonas expuestas a altas temperaturas o a la luz directa del sol. Este puede causar un funcionamiento anómalo o dañar el producto.
- Asegúrese de montar la unidad de forma adecuada y segura de acuerdo con los requisitos de seguridad.
- No abra la carcasa del producto.
- No exponer al fuego o al calor.
- No usar la unidad si está dañada.
- Evite golpes o impactos.
- No sumerja la unidad en líquidos.
- No utilice con reguladores estándar.

- No mire directamente al dispositivo de iluminación. Podría dañarle los ojos.
- No mire directamente a la fuente de luz con una lupa o cualquier otro dispositivo óptico que concentre la luz emitida.
- Utilice exclusivamente los accesorios suministrados por Astera para difuminar o modificar el haz de luz.

- No abra la carcasa del producto.
- No conecte la alimentación si la unidad está dañada.
- No sumerja la unidad en líquidos.
- No sustituya la fuente de luz LED.
- Precaución, riesgo de descarga eléctrica.

- Las superficies exteriores de la unidad pueden calentarse hasta 70 °C (158°F) durante el funcionamiento normal.
- Asegúrese de que el resultado impide todo accidente del dispositivo.
- No cubra la unidad.
- Permita que todas las luces se enfríen antes de tocar el dispositivo.
- Mantenga una distancia de 0,3 m (2 pulgadas) respecto de los objetos iluminados.

- La SolaBulb es un zoom manual adicional de 15° a 50°. Para la regla, el ángulo de la parte superior del soporte vers interior o exterior. Il y a un arrêt mécanique supplémentaire à 30 degrés.
- La SolaBulb es un zoom manual adicional de 15° a 50°. Pour la règle, il suffit de tourner la partie supérieure du support vers l'intérieur ou l'extérieur. Il y a un arrêt mécanique supplémentaire à 30 degrés.

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ESPECIFICACIONES - DATOS TÉCNICOS

Código de pedido	AST-BLSL-E27 / E26 / B22
Motor LED	Motor LED Titan
Colores	RGBMiniAmber
Consumo de energía LED	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°
Estrobooscopia	0 - 25Hz
Entrada DC	9-18 VDC, MÁX. 21 A
Conector DC	3.5 mm x 1.35 mm
Entrada AC E27/B22	100 - 240 VAC, 50 / 60 Hertz, 0.15 A / 230 VAC
Entrada AC E26	100 - 120 VAC, 50 / 60 Hertz, 0.3 A / 115 VAC
Conector AC	E26 / E27 / B22
Consumo de energía (máx.)	16.5 W
DMX por cable	N/A
Receptor CRMX	Integrado
Bluetooth Bridge BTB	Integrado
Protocolos inalámbricos	CRMX, UHF, Bluetooth, WiFi
Rango inalámbrico	CRMX/UHF hasta 100 m / 110 yds Bluetooth hasta 3 m / 3.3 yds
Soporte RDM	Alámbrico
Control por infrarrojos	Sí
Grado de protección IP	IP20: conectado a través de un conector DC IP44: conectado a través de AC + FPS-PS en el conector DC
Temperatura ambiente de funcionamiento	0 - 40 °C
Peso	433 g / 0.955 lbs
Dimensiones (L x A x P) (zoom in)	114.6 mm x 91.8 mm x 91.8 mm / 4.5" x 3.6" x 3.6" (E26) 117.6 mm x 91.8 mm x 91.8 mm / 4.63" x 3.6" x 3.6" (E27) 116.2 mm x 91.8 mm x 91.8 mm / 4.57" x 3.6" x 3.6" (B22)
Dimensiones (L x A x P) (zoom out)	134.6 mm x 91.8 mm x 91.8 mm / 5.3" x 3.6" x 3.6" (E26) 137.6 mm x 91.8 mm x 91.8 mm / 5.42" x 3.6" x 3.6" (E27) 136.2 mm x 91.8 mm x 91.8 mm / 5.36" x 3.6" x 3.6" (B22)
Opciones de montaje	Rosca UNC de 3/8" - 16, rosca E26/E27/B22

Todos las especificaciones proporcionadas corresponden a valores típicos y son susceptibles de modificaciones sin previo aviso.

CARACTERÍSTICAS RF

Módulos inalámbricos	Modulación	ERP (transmisor)	Nº de canales
UE: UHF*** (863-870 MHz)	FHSS	< 25 mW	47
EEUU: UHF (917-922.20 MHz)	FHSS	< 25 mW	53
AUSA: UHF (917-922.20 MHz)	FHSS	< 25 mW	53
AUSA: UHF (917-922.20 MHz)	FHSS	< 25 mW	53
SGP: UHF (917-922.20 MHz)	FHSS	< 25 mW	41
KOR: UHF (868.75-869.12 MHz)	FHSS	< 25 mW	6
JPN: UHF (917-922.20 MHz)	FHSS	< 25 mW	19
CRMX (2402-2480 MHz)	FHSS	< 25 mW	79
Bluetooth 5.0 LE (2402-2480 MHz)	FHSS	< 10 mW (BLE)	40
WiFi (2412-2472 MHz)	DSSS, OFDM	< 100 mW	13

***Asignación general de frecuencias para el uso de aplicaciones de radio de corto alcance. Normas de uso del espectro:

Rango de frecuencia (MHz)	Potencia máxima (ERP)	Parámetros adicionales / técnicas de acceso a las frecuencias y de mitigación de interferencias
865 - 868	25 mW	Requisitos para acceso a las frecuencias y técnicas de mitigación. De forma alternativa puede usarse un ciclo de trabajo máximo del 1%. 1) « duty cycle » significa la relación de T1/T0 (T0 es el tiempo de encendido de un solo dispositivo transmit