cameo CLIDMXT3 Wireless DMX

cameo CLIDMXT3 Wireless DMX User Manual

Contents

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APPROPRIATE USE

- This product is a device for event technology!
- The product has been developed for professional use in the field of event technology and is not suitable for use as domestic lighting. Furthermore, this product is only intended for qualified users with specialist knowledge of event technology!
- Use of the product outside the specified technical data and operating conditions is considered inappropriate!
- Liability for damage and third-party damage to persons and property due to inappropriate use is excluded!

The product is not suitable for:

- persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- children (children must be instructed not to play with the device).

SAFETY INSTRUCTIONS

- To avoid possible damage, please read and follow these instructions carefully.
- Keep all information and instructions in a safe place.
- Observe all warnings. Do not remove any safety instructions or other information from the unit.

DEFINITIONS AND SYMBOL EXPLANATIONS

1. HAZARD: The word HAZARD, possibly in combination with a symbol, indicates situations in which there is an immediate danger or risk of potentially fatal injury.
2. WARNING: The word HAZARD, possibly in combination with a symbol, indicates situations in which there is an immediate danger or risk of potentially fatal injury.
3. CAUTION: The word CAUTION, possibly in combination with a symbol, indicates situations or conditions that could result in injury.
4. ATTENTION: The word ATTENTION, possibly in combination with a symbol, indicates situations or conditions that could result in damage to property and/or the environment.

 This symbol identifies hazards that can cause electric shock.

 This symbol identifies danger points or hazardous situations.

 This symbol indicates hazards caused by hot surfaces.

 This symbol indicates hazards caused by intense light sources.

 This symbol indicates additional information relating to use of the product.

HAZARD:

1. Do not open the device and do not perform any modifications.
2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.
3. For devices of protection class 1, the protective conductor must be connected correctly. Never disconnect the protective conductor. Devices of protection class 2 do not have a protective conductor.
4. Ensure that live cables are not kinked or otherwise mechanically damaged.
5. Never bypass the device fuse.

Safety information

WARNING:

1. The device must not be put into operation if it shows obvious signs of damage.
2. The device may only be installed in a voltage-free state.
3. If the power cord of the device is damaged, the device must not be used.
4. Permanently connected mains cables may only be replaced by a qualified person.

CAUTION:

1. Do not put the device into operation immediately if it has been exposed to extreme temperature fluctuations (for example, after transportation). Moisture and condensation can damage the device. Do not switch on the device until it has reached room temperature.
2. Ensure that the voltage and frequency of the mains supply match the values specified on the device. If the device has a voltage selector switch, do not connect the device until it has been set correctly. Use only suitable power cables.
3. To disconnect the device from the mains on all poles, it is not sufficient to press the on/off switch on the device.
4. Make sure that the fuse used corresponds to the type printed on the device.
5. Ensure that suitable measures have been taken against overvoltage (e.g. lightning strikes).
6. Observe the specified maximum output current on devices with a Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Replace pluggable mains cables with original cables only.

HAZARD

1. Choking hazard! Plastic bags and small parts must be kept out of reach of persons (including children) with

reduced physi-cal, sensory or mental capabilities.

2. Risk of falling! Make sure that the device is securely installed and will not fall down. Only use suitable stands or mountings (particularly for fixed installations). Make sure that accessories are correctly installed and secured. Ensure that applicable safety regulations are observed.

WARNING:

1. Use the device in the prescribed manner only.
2. Operate the device using only accessories of the type recommended and supplied by the manufacturer.
3. Observe safety regulations applicable in your country during installation.
4. After connecting the device, ensure that all cables are routed so as to avoid damage or accidents, such as from tripping.
5. Always observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.

CAUTION

1. Moving components such as mounting brackets may become jammed.
2. In the case of devices with motor-driven components, there is a risk of injury due to the movement of the device. Sudden movement of the device can cause shock reactions.
3. The housing surface of the device can become very hot during regular operation. Ensure that accidental touching of the housing is not possible. Always allow the device to cool down sufficiently before removal, maintenance work and charging etc.

CAUTION:

1. Do not install or use the device in the vicinity of radiators, accumulators, stoves, or other heat sources Ensure that the device is always installed in such a way that it is sufficiently cooled and cannot overheat.
2. Do not place ignition sources, such as burning candles, near the device.
3. Ventilation openings must not be covered and fans must not be blocked.
4. Use the original packaging or packaging provided by the manufacturer for transport.
5. Avoid shocks or impacts to the device.
6. Observe the IP rating and the ambient conditions such as temperature and humidity according to the specifications.
7. Devices can be further developed on an ongoing basis. In the event of deviating information on operating conditions, performance or other device properties between the user manual and the device labelling, the information on the device always has priority.
8. The device is not suitable for tropical climate zones and for operation at over 2000 m above sea level.
9. Unless explicitly stated, the device is not suitable for operation under marine conditions.

NOTES FOR PORTABLE INDOOR EQUIPMENT

1. temporary operation! Event equipment is basically designed for temporary operation only.
2. continuous operation or permanent installation can lead to impairment of the function and premature ageing of

the equip-ment.

SIGNAL TRANSMISSION BY RADIO (e.g. W-DMX or audio radio systems):

- The quality and performance of wireless signal transmissions generally depends on the ambient conditions.
- The following factors can impact range and signal stability, for example:
- Shielding (e.g. masonry, metal structures, water)
- High volume of radio traffic (e.g. powerful wireless LAN networks)

Interference

- Electromagnetic radiation (e.g. LED video screens, dimmers)
- All range specifications refer to free-field application with visual contact and without interference!
- The operation of transmission systems is subject to official regulations. These may vary from region to region and must be checked by the operator before use (e.g. radio frequency and transmission power).

WARNING: Devices with wireless signal transmission are not suitable for use in sensitive areas in which radio operation can lead to potential detrimental effects. These include:

- hospitals, health centres or other healthcare facilities that provide patient treatment with skilled personnel and equipment.
- Hazardous areas Class I, II and III
- Restricted areas
- Military facilities
- Aircraft or vehicles
- Areas where the use of mobile phones is prohibited

TRANSMISSION VIA W-DMX

WARNING: In general, wireless DMX transmission must not be used for applications involving safety-related factors that might result in personal injury or property damage in the event of a failure.

This applies in particular to moving scene or traverse structures, DMX-controlled motors/lifts or lifting devices for operating DMX-operated platform lifts, hydraulic systems or comparable moving components. Furthermore, wireless DMX transmission must not be used to trigger flame or pyrotechnic devices, explosion-driven effects, or to control gas or liquid effects. These include CO2 cannons, confetti shooters, water effects or similar.

WARNING
This product must be earthed.

1. Please read these instructions and safety instructions carefully before using this product.
2. Keep these instructions for future reference.
3. Never plug the product into the mains supply while it is still in its packaging. Never cover during use.
4. Only use indoors and in dry spaces, except where otherwise explicitly stated.
5. Verify that the product has not been damaged in transport before you make use of it.
6. Keep the product out ofthe reach of animals, children and persons who require supervision.

7. This product is intended for professional use onl)L
8. Always place the product on a stable, solid and flat base or safely secure it.
9. Do not use the product near hot surfaces or objects.
10. The mains cable must be regularly and carefully checked for damage to the cable, the plug and other parts. In the event of damage, the product must not be used until the mains cable has been replaced. Ifthe product needs to be cleaned, the adapter or mains cable must be disconnected from the mains supply.
11. Repairs must only be carried out by a qualified person.
12. Note that the connected voltage and current corresponding to the sticker on the product.
13. Never submerge the product or the mains cable in water or any other liquid, in order to prevent electric shocks, fire, injury and other hazards.
14. Never carry the product by the cables and do not put the cord around sharp edges.

Introduction

- This user manual refers to version I .0.6.0 or later.
- Welcome to the large family of users of LumenRadio's world-leading wireless DMX system. We hope that you will enjoy your brand new devices. We, at LumenRadio, have tailored this wireless DMX system to deliver reliability at its best. No matter if you're using them at a night-club, a community theatre or on the set of a feature film, you should be able to trust its cable-like reliability, but without the hassle of cables.

Wireless DMX in a nutshell
Wireless DMX can be used in many different setups, may it be one single universe being transmitted from one point over a distance to one receiver. This is what is called point-to-point, and is a common scenario when shooting wireless DMX over a distance where cable is not possible. The cable is simply replaced with a wireless cable with a fixed latency of 5 ms.

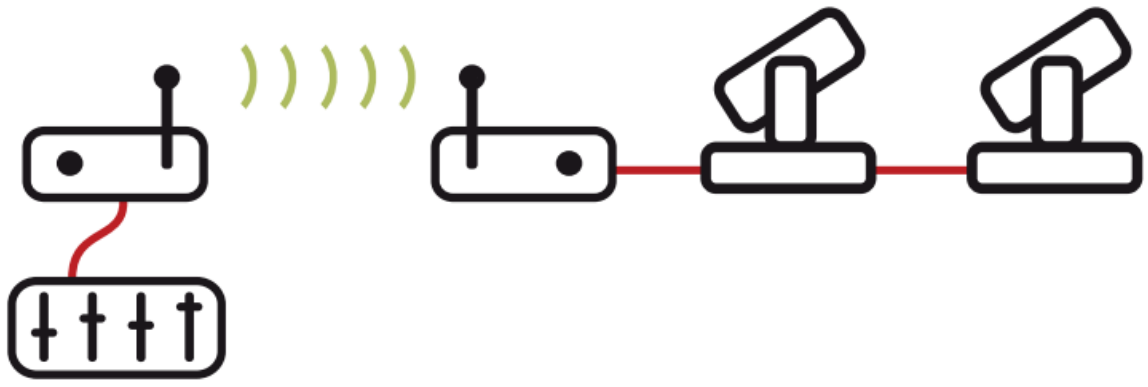

Figure 1: One DMX universe in a point-to-point setup

It is simple to just add more receivers to a universe of wireless DMX to create a wireless splitter, where the same DMX data is outputted with a synchronisation of less than 0.1 ms. This is what is called a point-to-multipoint setup.

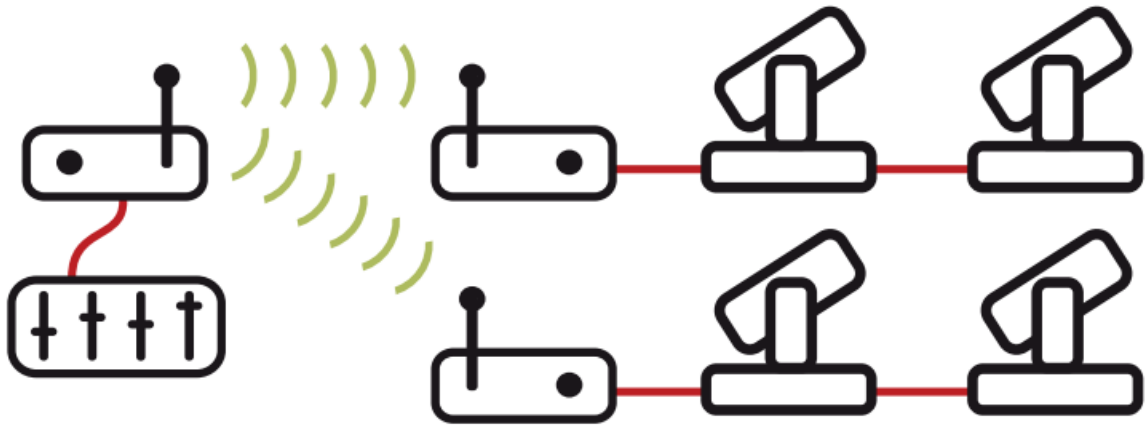

Figure 2: One universe in a point-to-multipoint setup

It is possible to have multiple universes being transmitted simultaneously in what's called a multipoint- to-multipoint setup. Simply link each receiver to the transmitted universe you want it to output. The system will automatically exchange encryption keys and other security parameters. The system will coordinate the frequency usage to avoid collisions so that multiple universes can be transmitted simultaneously.

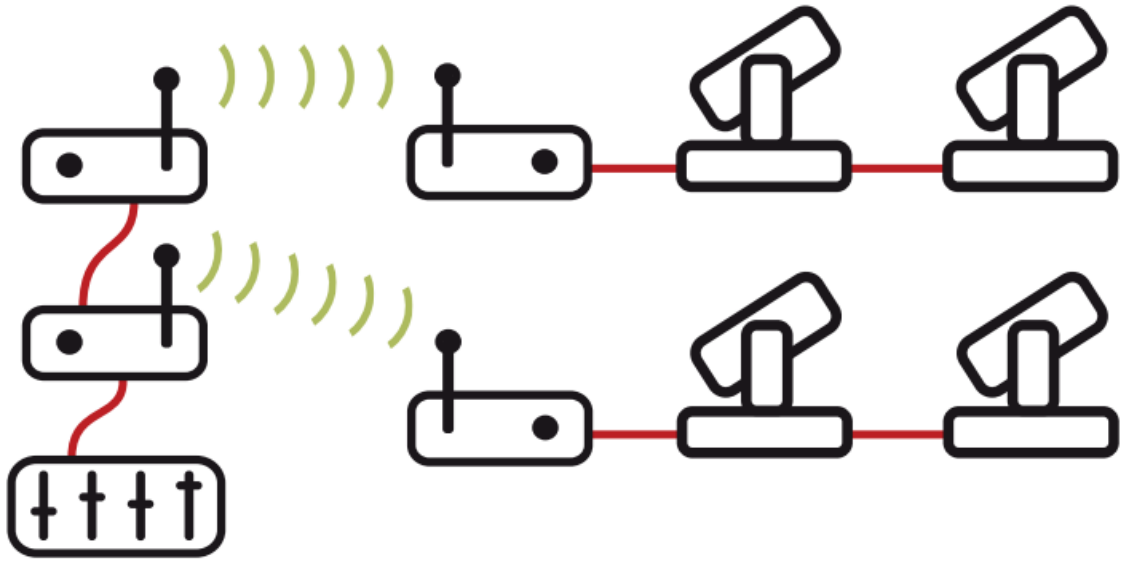

Figure 3: Multipoint-to-mutlipoint setup

Cognitive coexistence

Cognitive Coexistence is LumenRadio's patented technology for real-time adaptive frequency hopping. It's the foundation of our CRMX' technology and the main reason why we are perceived as the most reliable and resilient wireless DMX system on the market. CRMX systems automatically scan and adapt to the RF environment 1500 times per second. If disturbances are detected, the system will move to frequencies that are currently not disturbed. This is how the cable-like reliability can be achieved, trusted by users in the most demanding sets.

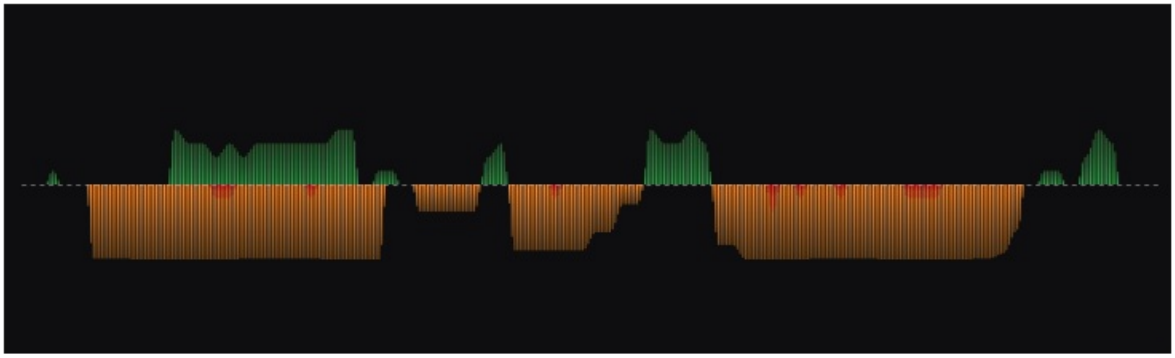

Figure 4: Cognitive coexistence

Compatibility
There has been two major wireless DMX systems on the market for a while – CRMXØ and W-DMXTM They have historically not been fully compatible due to different technologies being used. But CRMX receivers have been able to receive the W-DMX G3 protocol. However, your new CRMX Aurora or CRMX Luna can be operated in different modes when in transmitter mode;

1. CRMX – transmit CRMX data to compatible receivers. W-DMX G3 – transmit W-DMX G3 protocol.
2. W-DMX G4S – transmit W-DMX G4S protocol.
3. For W-DMX receivers, please use the W-DMX G3 mode for maximum compatibility. Note: This mode can also be used with CRMX receivers, but security and DMX fidelity is not as good as when running CRMX mode.

For W-DMX receivers, please use the W-DMX G3 mode for maximum compatibility. Note: This mode can also be used with CRMX receivers, but security and DMX fidelity is not as good as when running CRMX mode.

Mode	CRMX receivers	Older CRMX receivers	W-DMX receivers
CRMX	Yes	Yes	No

Mode	CRMX receivers	Older CRMX receivers	W-DMX receivers
W-DMX G3	Yes	Yes	Yes
W-DMX G4S	Yes	No	Yes

When operated as receivers, CRMX Aurora and CRMX Luna will automatically detect and link using the protocol used by the transmitter at the time of linking.

Linking key

What is Linking Key

- The Linking Key is a user-defined 8 digit key code. It can be used as a password to to the link credentials of a CRMX link. It can be used to tell two (or more) different transmitters to set up identical links. This is what we call cloned transmitters.

- It can also be used to link a receiver to a transmitter that has an active link using the same linking key.
- This allows for easy addition of a receiver to a network where the transmitter might be inaccessible for instance, without the need to initiate a linking process from the transmitter. Cloning transmitters

Cloning transmitters
By cloning transmitters, by entering the same Linking Key into both transmitters, you can place them at separate physical locations and move receives between the locations without the need to relink.

Note: It is important that the transmitters are separated, otherwise receivers may end up creating a link with any of the transmitters, which may lead to undefined behaviour.

Linking an RX by Linking Key

- In receivers that supports it, it is possible to enter the linking key of the transmitter to join that network without the need for performing a linking procedure from the transmitter.
- Enter the same Linking Key into the receiver as you have entered into the transmitter and the receiver will automatically link to the transmitter when it is within range.

Your device

Aurora Overview

1. Antenna
2. IPS TFT display for menu system
3. Control knob
4. Decorative lights
5. DMX in/out with auto terminate
6. WiFi antenna
7. WiFi Link/Data LEDs
8. DC inlet (10-20V DC)
9. AC inlet (90-240 VAC) (Power CON TRUEI)

Figure 5: Aurora back and front

Luna Overview

1. Antenna
2. Signal level indication
3. Status LEDs
4. Link button
5. DMX in/out with auto terminate

6. DC inlet (10-18V DC)
7. AC inlet (90-240 VAC) (Power CON TRUEI)

Figure 6: Luna back and front

Mounting
Your Aurora/Luna is designed to be able to be mounted in a number of different ways;

1. Truss mounted – using a clamp with either MIO or 3/8″ thread.
2. Rack mounted – using the rack mounting kit accessory.
3. Tripod mounted – using a MIO or 3/8″ spigot or the yoke accessory.
4. Wall mounted – using the wall mount kit accessory.

MIO and 3/8″ holes
On either side of your Aurora/Luna unit you'll find holes for MIO (1.5 mm pitch) and 3/8″ (UNC), These can be used with any standard truss mounting clamps or spigots, for instance a standard TV spigot. Do not use screws that can go deeper than 27 mm.

Safety wire
There are holes on the device where a safety wire shall be fasted.

Rack mounting
You can use the rack mounting kit (sold separately) to mount a Aurora/Luna in a standard 19 inch rack. To mount the rack brackets, loosen four (4) of the M4 screws on each side of the unit, place the rack bracket, and fasten it in place using the M4 screws. Tighten firmly.

Wall mounting
Aurora/Luna can be mounted to a wall using the wall mounting kit (sold separately), Loosen the lower two M4 screws on each side of the unit, place the brackets and fasten them using the M4 screws. Tighten firmly.

Settings and operation

Luna front panel

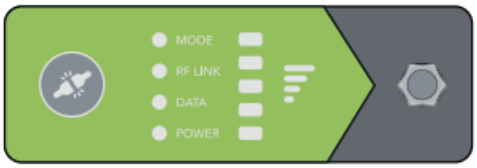

Figure 7: Luna front panel

Signal quality
When operating as RX, the signal quality indicator shown how good the signal reception is. When operating as TX,

these LEDs are always off

MODE
The MODE LED shows what transmission protocol the device is using. When operating as RX this follows the mode of the TX. This LED is off if Luna is unlinked as RX.

- White: CRMX
- Green: W-DMX G3
- Red: W-DMX G4
- Violet: W-DMX GAS
- Amber: W-DMX G5

Bluetooth

- Bluetooth is on: this LED blinks once every few seconds.
- Bluetooth is connected: this LED blinks twice every few seconds.
- Bluetooth is off: this LED has no blue blinks.

RF LINK
The RF LINK LED shows the status of the RF LINK:

Figure 8: RX: Unlinked

Figure 9: RX: Linked and active RF link, TX: normal active RF link

Figure 10: RX: Linking or linked but no active RF link, TX: linking

Figure 11: TX: unlinking

Universe color
The RF LINK LED will be lit in the selected universe color,

DATA

- Off: No data
- Green: DMX data
- Red: RDM activity

POWER
Lit when device is on.

Changing between RX/TX
Changing between RX and TX can be done from the app, or by following this procedure:

1. Press the link button 5 times rapidly.
2. Press and hold the link button for more than 3 seconds.
3. Now the RF LINK LED will flash to indicate what mode is selected: RX: fast blink, TX: slow blink.
4. Press the link button momentarily to step between the modes.
5. Press and hold the link button for more than 3 seconds to save the selected setting.

Changing transmission protocol
Changing between the available transmission protocols can be done from the app, or by following this procedure:

1. Press the link button 3 times rapidly.
2. Press and hold the link button for more than 3 seconds.
3. Now the MODE LED will flash and indicate what protocol is selected.
4. Press the link button momentarily to step between the supported protocols.
5. Press and hold the link button for more than 3 seconds to save the selected setting.

As TX, the following protocols can be selected:

- CRMX
- W-DMXG3
- W-DMXG4S

Aurora front panel

Status screen
The status screen collects the most needed status information.

Figure 12: Aurora status screen

- Signal level: When in RX, the received signal quality is shown.
- Mode: RX or TX (and what protocol – CRMX, W-DMX- when in TX).
- Status: Shows the status of the radio link.
- Universe name: Shows the wireless universe name.
- Universe color: The text is shown in the selected universe color.

Main menu
The operation of Aurora can be performed from the front panel menu system. Linking, WiFi settings, Bluetooth, etc is all done from here.

Figure 13: Aurora main menu

Linking
Linking and unlinking receivers is done from the Linking menu.

Changing between RX/TX
Changing between RX and TX is done under the Settings menu.

Changing transmission protocol
It's possible to change what wireless protocol the Aurora shall transmit. In the settings menu it's possible to select between the following protocols:

- CRMX
- W-DMX G3
- W-DMX G4S

When operating as RX the protocol is automatically detected at the time of linking.

RDM
Aurora has a built-in RDM proxy that allows any 3rd party controllers that supports ANSI El,20 Remote Device Management (RDM) to discover, monitor and administer any RDM compatible device that resides downstream of the wireless link.

Enable the proxy
RDM proxy needs to be enabled for downstream devices to be discovered. This can be done it any of two ways;

1. Via the front panel IJI – enable proxy in the Settings menu
2. Via RDM – change DMX personality using your RDM controller

Monitor receiver signal quality
With the use of RDM it is possible to monitor the downstream receivers' signal quality if they support RDM. Each receiver presents a sensor with the current signal quality level.

WiFi
The built-in WiFi on Aurora operates as an Art Net or SACN to DMX node.

Access Point (AP mode)
In access point mode Stardust will create a WiFi network that your phone, tablet, etc could connect to. This is

handy for instance for iPad based lighting control apps, that can send data to Aurora directly over WiFi. Any controller software that supports Art Net or Streaming ACN (SACN) can be used.

In AP mode you need to do the following settings:

- SSID (the device's Device Label is used as SSID)
- password
- IP settings
- DHCP (if the DHCP server shall be enabled or not)

Disabled
When WiFi is disabled, the is turned off and no DMX is generated.

Bluetooth
Note: When running in W-DMX mode and transmitting to W-DMX receivers Generation 5 or older, Bluetooth must be turn off for proper operation. If using with CRMX receivers or W-DMX receivers from Generation 6, Bluetooth can be left on.

Configuration
Both Aurora and Luna supports being configured via Bluetooth using the CRMX Toolbox app, available from App Store on iOS and Google Play on Android.

Search for "CRMX Toolbox" on App Store or Google Play.

DMX data
Aurora and Luna supports receiving DMX data with limited refresh rate over the Bluetooth interface. This can be used with apps that supports this interface natively.

PIN code
A PIN code can be used to protect against unauthorised access via the Bluetooth interface. On Aurora PIN code can be set and disabled from the menu system. Setting a PIN code of 000000 disables PIN code.

To disable the PIN code on Luna:

1. Press the link button rapidly 7 times.
2. Press and hold the link button for at least 3 seconds.
3. The device will reboot with the PIN code disabled.

Turning Bluetooth on/off

- On Aurora, Bluetooth is turned on or off via the menu system.
- On a Luna, the MODE LED will flash with a blue light every few seconds when Bluetooth is enabled.
- When Bluetooth is disabled no blue flashes will appear on the MODE LED.

To turn Bluetooth on/off on a Luna device:

1. Press the link button rapidly 2 times.
2. Press and hold the link button for at least 3 seconds.
3. The device will now reboot with the Bluetooth mode toggled.

Firmware upgrades
You can expect firmware updates to be released on a regular basis for your new Stardust unit. Even though we take pride in quality, we probably have overlooked something. Also, there will be many more features added to the firmware in the new weeks and months.

How to update

1. Start the CRMX Toolbox app on your iOS or Android device.
2. Click Connect and you will be presented with a list of nearby devices. The list is sorted by an approximated distance.
3. Click a device in the list and choose Identify Device if you are unsure which unit to connect to.
4. Click Connect Device to connect to the desired device.
5. In the My Device view, you will be able to click the Update Firmware button if there is a new firmware available.

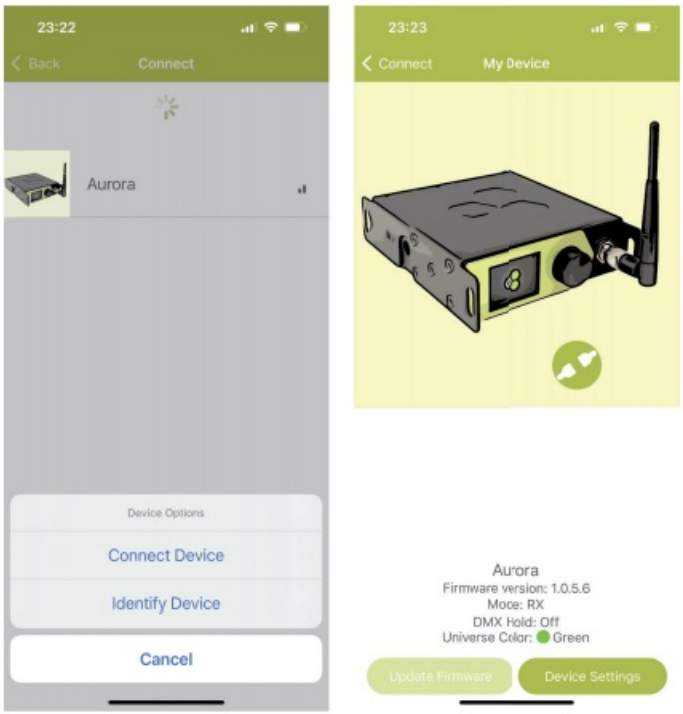

Figure 14: CRMX Toolbox

Compliance information

CE
This product complies with the Essential Requirements of RED (Radio Equipment Directive) of the Euro pean Union (2014/53/EU). This product meets the requirements of relevant conformance standards. A detailed Declaration of Conformity is available upon request from the manufacturer.

UKCA
This product complies with the relevant statutory requirements in the United Kingdom. This product meets the requirements of relevant conformance standards. A detailed Declaration of Conformity is available for market surveillance upon request from the manufacturer.

FCC
FCC IDENTIFIERS: XRSTIMOMWAN301, 2ACSVHF-LPD100

FCC Information to User
This product does not contain any user serviceable components and is to be used with approved antennas only. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

FCC Guidelines for Human Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Declaration of Conformity
We LumenRadio AB, Svangatan 2B, 416 68 Gothenburg, Sweden, declare under our sole responsibility that this product complies with Part 15 of FCC Rules, Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

FCC Radio Frequency Interference Warnings & Instructions
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 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 determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

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

Modifications made to the product, unless expressly approved by LumenRadio AB, could void the user’s right to operate the equipment.

Industry Canada
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Specifications

Aurora

Spec	Details
Power supply AC	100-240 VAC, 50/60 Hz, 1A max
Power supply DC	10-18 VDC, 350mA max
IP rating	IP20
Operating temperatue	-20 to +55 °C
Storage temperature	-30 to +65 °C
Humidity	0-90% non-condensing
Antenna connectors	RP-TNC
Frequency bands	2.4 GHz, 5GHz (ISM bands)
Maximum RF power	100mW (280mW is US) @ 2.4GHz, 50mW @ 5GHz

Luna

Spec	Details
Power supply AC	100-240 VAC, 50/60 Hz, 1A max
Power supply DC	10-18 VDC, 200mA max
IP rating	IP20
Operating temperatue	-20 to +55 °C
Storage temperature	-30 to +65 °C
Humidity	0-90% non-condensing
Antenna connectors	RP-TNC
Frequency bands	2.4 GHz (ISM band)
Maximum RF power	100mW (280mW is US)

Accessories

All accessories can be ordered from your local CRMX distributor.

Order code	Description
800-2205	Aurora/Luna Rack Mounting Kit
800-2206	TNG Wall Mounting Kit
800-2208	TNG V-mount Battery mount

CARE, MAINTENANCE AND REPAIR
In order to ensure the faultless functioning of the device in the long term, it must be maintained and serviced regularly, at least every 3,000 operating hours or at the latest after one year.

CARE (CAN BE CARRIED OUT BY THE USER)

WARNING! Before carrying out any maintenance work, the power supply and, if possible, all device connections must be unplugged.

PLEASE NOTE! Improper care can lead to impairment of the device or even destruction.

1. Housing surfaces must be cleaned with a clean, damp cloth. In doing so, ensure that no moisture can penetrate into the device.
2. Air inlets and outlets must be regularly cleaned to remove dust and soiling. If compressed air is used, care must be taken to ensure that damage to the device is prevented (e.g. fans must be blocked in this case, as they could otherwise over-rev).
3. Lines and plug contacts must be cleaned regularly to remove dust and soiling.
4. In general, no cleaning agents or abrasive agents may be used for maintenance, otherwise the surface finish may be impaired.
5. Devices must generally be stored in a dry place and protected from dust and dirt.
6. To ensure correct and safe operation, all accessible or removable lenses and light-emitting apertures must be cleaned regularly.

MAINTENANCE AND REPAIR (by qualified personnel only)

- HAZARD! There are live components in the device. Even after disconnecting the mains connection, there may still be residual voltage in the device, e.g. due to charged capacitors.
- PLEASE NOTE! There are no user-serviceable components in the device.
- PLEASE NOTE! Maintenance and repair work may only be carried out by sufficiently qualified specialist personnel. If in doubt, consult a specialist workshop.
- PLEASE NOTE! Improperly performed maintenance work may affect warranty claims.
- PLEASE NOTE! For conversion or retrofit sets provided by the manufacturer, it is essential to observe the installation instructions included.

DISPOSAL

PACKAGING:

1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
2. Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.

DEVICE:

1. This device is subject to the European Directive on Waste Electrical and Electronic Equipment, as amended. WEEE Directive Waste Electrical and Electronic Equipment. Old appliances do not belong in household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country!
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally-friendly disposal options from the seller of the product or the appropriate regional authorities.

MANUFACTURER'S DECLARATIONS
MANUFACTURER'S WARRANTY & LIMITATION OF LIABILITY Adam Hall GmbH, Adam-Hall-Str. 1, D-61267 Neu Anspach / E-mail **Info@adamhall.com** / +49 (0)6081 / 9419-0 Our current warranty conditions and limitation of liability can be found at: **https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO_DE_EN_ES_FR.pdf**

Contact your sales partner for service.

CE CONFORMITY
Adam Hall GmbH hereby confirm that this product meets the following guidelines (where applicable):

- Low-Voltage Directive (2014/35/EU)
- EMC Directive (2014/30/EU)
- RoHS (2011/65/EU)
- RED (2014/53/EU)

EC DECLARATION OF CONFORMITY
Declarations of conformity for products subject to the LVD, EMC, RoHS Directive can be requested from **info@adamhall.com** Declarations of conformity for products subject to RED can be downloaded from **www.adamhall.com/compliance/**
SUBJECT TO MISPRINTS AND ERRORS, AS WELL AS TECHNICAL OR OTHER MODIFICATIONS!

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Documents / Resources

	**cameo CLIDMXT3 Wireless DMX** [pdf] User Manual CLIDMXT3 Wireless DMX, CLIDMXT3, Wireless DMX, DMX

References

- **User Manual**