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blizzard CRMXGOAT LightCaster Flawless Wireless DMX Control User Guide

Contents

blizzard CRMXGOAT LightCaster Flawless Wireless DMX Control

Specifications

- Product Name: LightCasterTM CRMX GOAT
- Manufacturer: Blizzard Lighting, LLC
- Website: **www.blizzardpro.com**
- Wireless System Type: CRMX
- Operation Modes: Receiver (RX) or Transmitter (TX)
- Antenna: Yes

Product Usage Instructions

Getting Started

What's In The Box?

- Verify all components are included and in good condition. Contact the shipper if any damage is noticed during transit.

Getting It Out Of The Box

- Ensure the unit is shipped in its original factory packaging if it ever needs to be returned.

Operation

Before You Begin

1. Decide whether the unit will act as a Transmitter (TX) or Receiver (RX) by pressing the Mode button to toggle the mode.
2. Connect a DMX controller to the DMX input for Transmitter and connect the unit's DMX output to the receiving fixture's input for Receiver.
3. Check the LINK Status LED on the Receiver to ensure it is not paired.

Pairing Process

1. Set the Receiver to RX mode and the Transmitter to TX mode.
2. Press the Function (Bah!) button on the Transmitter.
3. The LINK LEDs on both units will flash rapidly during pairing.
4. Once pairing is complete, the LINK status LEDs on all unitswill stay solidly lit.

Unpairing A Single Receiver

1. Press and hold the Function (Bah!) button on the Receiver for 6 seconds.
2. The LINK status LED on the Receiver will turn off, indicating disconnection.

Unpairing All Receivers

1. Press and hold the Function (Bah!) button on the Transmitter for 6 seconds.
2. The LINK status LEDs on all paired Receivers will turn off to indicate disconnection.

GETTING STARTED

What's In The Box?

- LightCaster™ CRMX GOAT
- AC Power Cord
- Mounting Hardware
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on choosing the LightCaster™ CRMX GOAT! Before you begin, please take a moment to verify that all components are included and in good condition. If you notice any damage during transit, notify the shipper immediately and keep all packing materials for inspection. If the unit ever needs to be returned, it must be shipped in its original factory packaging.

Need Help?

- We're here for you. If you have questions or run into issues, visit **www.blizzardpro.com/support** to open a support ticket. We'll be happy to assist!

Disclaimer

- We strive to provide accurate, up-to-date information and reserve the right to update or correct this manual as needed. For the latest version, visit **www.blizzardpro.com**.

INTRODUCTION

General Overview

The LightCaster™ CRMX GOAT is a high-performance wireless DMX transceiver designed for reliable operation across a wide range of professional lighting environments. Using advanced CRMX® technology, this device ensures seamless DMX and RDM communication over long distances with ultra-low latency and exceptional signal stability. Its compact and durable design, combined with a 1,000-meter range, makes it a dependable choice for both small and large-scale productions.

Setting up a CRMX wireless system is simple and provides highly reliable wireless DMX. This unit works as either a receiver or transmitter.
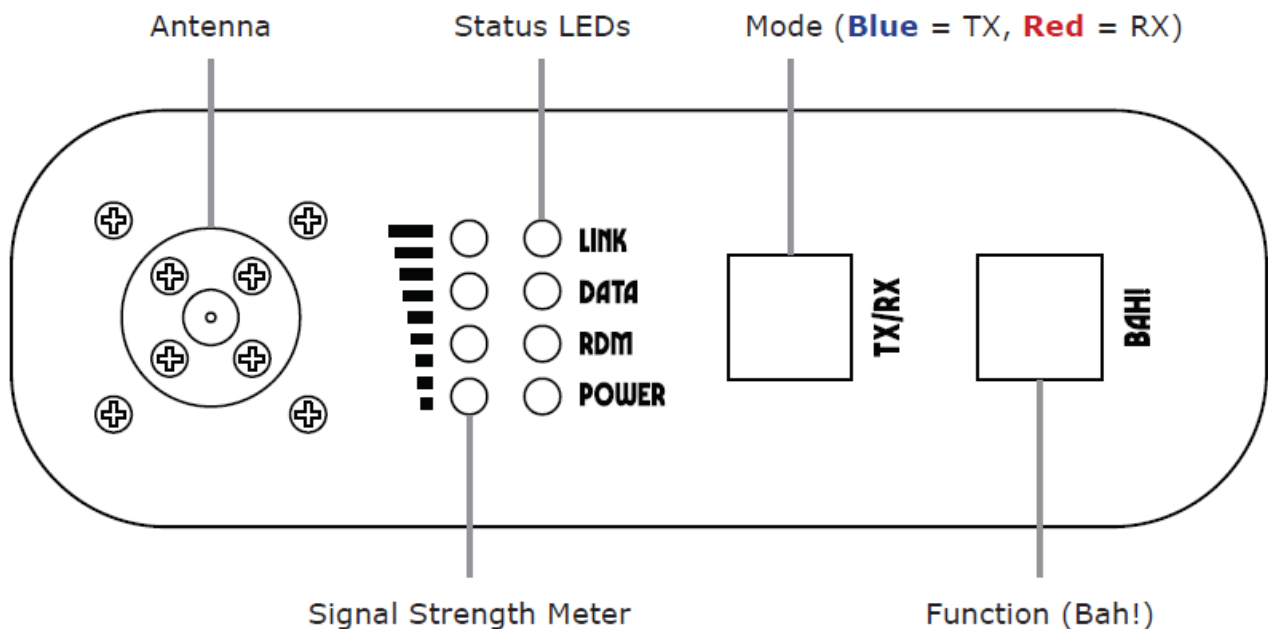
Main Features

- 2.4GHz CRMX wireless DMX transceiver
- Compatible with CRMX and W-DMX protocols
- Switchable TX/RX modes with dedicated button
- Adaptive frequency hopping (AFHSS)
- 1,000-meter range (line of sight)
- Supports RDM in RX mode

Specifications

- **Frequency/Protocols:** 2.4GHz, CRMX®/DMX/RDM
- **Transmitter Power/Receiver Sensitivity:** 100mW / 98dBm
- **Latency/Antenna:** < 5ms, 2dBi high-performance
- **Universes:** 1 per transmitter (up to 16)
- **Connections:** 5-pin DMX I/O, powerCON® TRUE1-compatible
- **Size/Weight:** 5.7 x 4 x 2.3 in (14.5 x 10 x 5.8 cm), 1.7 lbs (0.7 kg)

Author:	Date:	Last Edited:	Date:
J. Thomas	12/3/2024	J. Thomas	12/3/2024

OPERATION

Antenna   Status LEDs   Mode (**Blue** = TX, **Red** = RX)

LINK
DATA
RDM
POWER

TX/RX

BAH!

Signal Strength Meter   Function (Bah!)

Before You Begin

1. Decide whether each unit will act as a Transmitter (TX) or Receiver (RX) by pressing the Mode (TX/RX) button to toggle the mode.
2. For a Transmitter, you will need to connect a DMX controller to the DMX input, and for Receivers connect the unit's DMX output to the receiving fixture's input.
3. Check the LINK Status LED on the Receiver. If it is on, the Receiver is already paired with a Transmitter. Unpair it before pairing with a new Transmitter (see below).

Pairing Process

1. Ensure the Receiver is set to RX mode and the Transmitter is set to TX mode.
2. On the Transmitter, press the Function (Bah!) button.
3. The LINK LEDs on the Transmitter and Receiver(s) will flash rapidly during pairing.
4. Once pairing is complete, the LINK status LEDs on all units will remain solidly lit.

Unpairing A Single Receiver

1. On the Receiver, press and hold the Function (Bah!) button for 6 seconds.
2. The LINK status LED on the Receiver will turn off, indicating it is disconnected.

Unpairing All Receivers

1. On the Transmitter, press and hold the Function (Bah!) button for 6 seconds.
2. The LINK status LEDs on all paired Receivers will turn off to indicate disconnection.

Status LED Overview

LED	Mode	Off	Flashing	Solid
Link	TX	No paired Receivers	Pairing/searching	Paired with Receivers
	RX	Not paired	Pairing/searching	Paired with Transmitter
Data	TX	No DMX signal	N/A	Transmitting DMX
	RX	No DMX signal	N/A	Receiving DMX
RDM	TX	No RDM detected	RDM active	N/A
	RX	No RDM detected	RDM active	N/A
Power	TX/RX	Not powered	N/A	Powered and operational

CONTACT

Blizzard Lighting, LLC

- **http://www.blizzardpro.com**
- Waukesha, WI USA

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Enjoy your product!

Our sincerest thanks for your purchase!
–The team @ Blizzard Lighting

FAQ

- **Q:** Where can I get support for my LightCasterTM CRMX GOAT?
  - **A:** Visit **www.blizzardpro.com/support** to open a support ticket for assistance.

Documents / Resources

LIGHTCASTER CRMXGOAT ❄blizzard	**blizzard CRMXGOAT LightCaster Flawless Wireless DMX Control** [pdf] User Guide CRMXGOAT LightCaster Flawless Wireless DMX Control, CRMXGOAT LightCaster, LightCaster Flawless Wireless DMX Control, Flawless Wireless DMX Control, Wireless DMX Control, DMX Control

References

- ❄ **LED Lighting Products + IRiS LED Video | Blizzard Lighting**

- **User Manual**