LIGHTCASTER
CRMXGOAT IP

❄ blizzard

1. GETTING STARTED

What's In The Box?

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

Getting It Out Of The Box

Congratulations on choosing the LightCaster™ CRMX GOAT IP. 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.

2. INTRODUCTION

General Overview

The LightCaster™ CRMX GOAT IP is a high-performance, IP65-rated wireless DMX transceiver designed for reliable operation indoors and outdoors. 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.
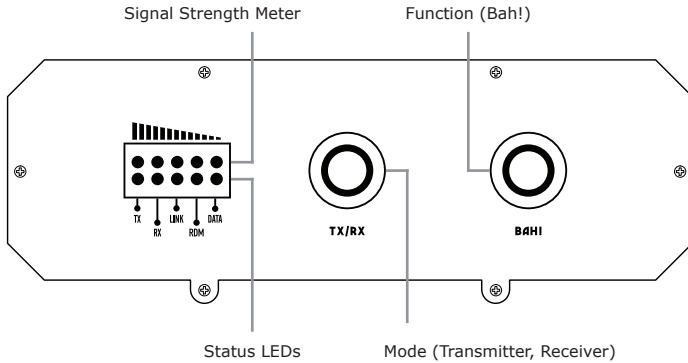
Main Features

- IP65-rated, 2.4GHz CRMX wireless 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, 5dBi high-performance
- Universes: 1 per transmitter (up to 16)
- Connections: 5-pin DMX I/O, powerCON® TRUE1-compatible
- Size/Weight: 6.7 x 4.5 x 3.1 in (17 x 11.4 x 8 cm), 2.9 Lbs (1.3kg)

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3. OPERATION

Signal Strength Meter — Function (Bah!) — Status LEDs — Mode (Transmitter, Receiver)

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
TX	TX	Not in Transmitter mode	N/A	Transmitter mode active
RX	RX	Not in Receiver mode	N/A	Receiver mode active
Link	TX	No paired Receivers	Pairing/searching	Paired with Receivers
	RX	Not paired	Pairing/searching	Paired with Transmitter
RDM	TX	No RDM detected	RDM active	N/A
	RX	No RDM detected	RDM active	N/A
Data	TX	No DMX signal	N/A	Transmitting DMX
	RX	No DMX signal	N/A	Receiving DMX

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Enjoy your product!
Our sincerest thanks for your purchase!
--The team @ Blizzard Lighting