

## PRODUCT LIMITED WARRANTY

Blizzard Lighting, LLC hereby warrants that its products shall be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period below). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. This warranty shall be valid only if the product is purchased from an authorized dealer appointed by Blizzard Lighting, LLC. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence.

For warranty service you must obtain a Return Authorization number (RA#) before sending back the product. Contact Blizzard Lighting, LLC's Service Department online at [www.blizzardlighting.com/support](http://www.blizzardlighting.com/support). Send the product only to the Blizzard Lighting, LLC factory. All shipping charges must be prepaid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Blizzard Lighting, LLC will pay return shipping charges only to a designated point within the United States. If the entire unit is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Blizzard Lighting, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Blizzard Lighting, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Blizzard Lighting, LLC factory unless prior written authorization was issued to purchaser by Blizzard Lighting, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.

This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, Blizzard Lighting, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Blizzard Lighting, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Blizzard Lighting.

Blizzard Lighting, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Blizzard Lighting, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Blizzard Lighting, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to Blizzard Lighting Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### LIMITED WARRANTY:

**All Controller Products: 2 years**  
**All Fog/Atmospheric Products (Non-DMX): 90 days, (DMX): 2 years**  
**Lasers: 2 years**  
**Other Products not listed here: 90 days**

REGISTER YOUR PRODUCT ONLINE AT: [WWW.BLIZZARDLIGHTING.COM](http://WWW.BLIZZARDLIGHTING.COM)

# LIGHTCASTER™

AnyFi™



## blizzard LIGHTING

Copyright © 2016 Blizzard Lighting, LLC  
[www.blizzardlighting.com](http://www.blizzardlighting.com)

**CAUTION!** There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself.

**We now have an online customer support ticket system located at:**  
[www.blizzardlighting.com/support](http://www.blizzardlighting.com/support)

Blizzard Lighting  
N24 W23750 Watertown Rd Suite B  
Waukesha, WI 53188 USA

Never disconnect the power cord by pulling or tugging on the cord.

Make sure the power cord is never crimped or damaged.

Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction.

In the event of a serious operating problem, stop using the unit.

Maximum ambient temperature is 104°F (40°C). Do not operate fixture at higher temperatures.

To prevent risk of fire or shock, do not expose unit to rain or moisture.

This product is intended for indoor use only!

Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated in these instructions.

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

## SAFETY INSTRUCTIONS

- Wireless Solution® W-DMX™ compatible transceiver
- Built-in Skywire™ 7CH transceiver + separate 6CH mode
- Built-in lithium battery
- LCD (TFT) display and friendly menu interface
- Adaptive Frequency Hopping Spread Spectrum (AFHSS)
- 32-bit ARM Processor, DMA transfer without delay
- Standard 3-pin XLR In/Out connections
- 4-button status menu and LED frequency/status indicator
- Plug-and-play operation

## FEATURES

## GETTING STARTED

### What's In The Box?

- 1 x LightCaster AnyFi™ Wireless DMX Transceiver
- 1 x USB to Micro-USB Cable
- 1 x AC to USB Power Adapter
- 1 x Antenna

### Getting It Out Of The Box

LightCaster AnyFi™ is a USB rechargeable, battery powered wireless DMX transceiver that is capable of transmitting or receiving ultra-stable, Wireless Solutions AB™ W-DMX 2.4 GHz ISM, Adaptive Frequency Hopping Spread Spectrum (AFHSS) wireless DMX signals, or Blizzard Lighting's own Skywire™ 7-channel wireless 2.4 GHz band frequencies. With its color coded LED status indicator, the LightCaster AnyFi™ will also match up perfectly to any Blizzard WICLED™ and/or Skywire™ enabled product. An additional 6-channel color coded 2.4GHz wireless GZ mode (not directly compatible with Skywire™) is also installed that will sync up with other 6-channel enabled AnyFi™ products.

Well, now that you've got your LightCaster AnyFi™, you should carefully unpack the box and check the contents to ensure that all parts are present and in good condition. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all returned in the original factory box and packing.

### General Overview

The LightCaster AnyFi™ is simple to install and set up. Wireless DMX functions just like a wire, allowing you to send a whole universe of DMX data wirelessly, at full data rate and with non-noticeable delay.

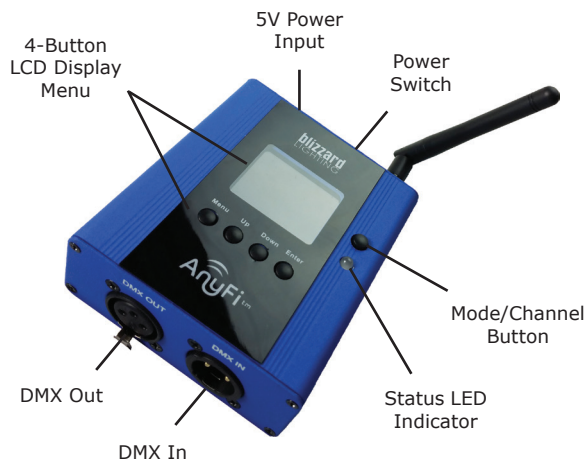
### Receiving Signal

A wireless DMX system can have at a minimum one receiver, and up to an unlimited maximum number of receivers per universe of DMX. A receiver is required to receive the DMX signal transmitted wirelessly by the transmitting unit and output it to any downstream fixtures.

### Transmitting Signal

A wireless DMX system requires one transmitter per universe of DMX, to broadcast the signal to any receiver. The lighting controller will normally be plugged straight in to the transmitter with a DMX cable.

## LightCaster AnyFi™ Pin-Up Picture:



## OPERATION, TIPS & TRICKS

If you are using the Skywire™ 7-channel protocol, the color coded frequencies found in your LightCaster AnyFi™ will match up perfectly with any wiCICLE™ or wiCICLE Skywire™ products. The Skywire™ 6-channel protocol will function and sync with other AnyFi™ products using 6-channel mode, and if using W-DMX™, your devices will sync up together flawlessly as well.

**BEFORE DOING ANYTHING ELSE, YOU SHOULD DISABLE ANY BUILT-IN PROGRAMS IN THE FIXTURES YOU WISH TO CONNECT AND/OR SET THEM AS SLAVES PRIOR TO RETURNING THEM TO DMX MODE (IF APPLICABLE).** Many fixtures contain a built-in automatic, sound active or custom programs which are designed to operate with the fixture NOT connected to a DMX chain.

## CONNECTION TABLE

This table shows the status LED colors from the top menu to the channel selection.

Top Menu LED Color	Mode	Channel LED Color	Channel	
Red	Skywire™ 6CH (AnyFi™ products only)	Green	CH1	
		Red	CH2	
		Blue	CH3	
		Yellow	CH4	
		Cyan	CH5	
		Purple	CH6	
Green	W-DMX Receive (this works for both G3 and G4)	To make this transition from the Top Menu to Channel Menu, press the Mode/Channel Button.	Red	CH1
Blue	W-DMX Transmit G3		Green	CH2
Yellow	W-DMX Transmit G4		Blue	CH3
Purple	Skywire™ 7CH (wiCICLE™ compatible)	Yellow	CH4	
		Purple	CH5	
		Cyan	CH6	
		Red	CH7	

**\*Note:** During the setup of either 6 or 7-channel Skywire™ mode, if there is an active incoming DMX signal to the unit it will act as a transmitter, if not it will receive.

## DESCRIPTIONS OF STATUS LED INDICATOR

Protocol	Action	Status Description
6/7 CH Skywire	Flashing Red	Transmitting DMX Signal
	Flashing Green	Receiving DMX Signal
W-DMX Receive Protocol	White	Connection is not Established
	Red	Deleting Connection
	Red (Fast Flash)	Connection is Lost
	Green (Fast Flash)	Connecting to Transmitter
	Green (Slow Flash)	Connected, Without DMX Signal
	Green	Connected, Receiving DMX Signal
W-DMX Transmit Protocol	Red	Deleting all Receiver Connections
	Blue (Fast Flash)	Connecting with the Receiver(s)
	Blue (Slow Flash)	No DMX Signal Input
	Blue	Transmitting DMX

## Ready to move on? Well alrighty!

1. If you are using the LightCaster™ AnyFi as a transmitter, plug the unit into the "DMX OUT" connector of the controller, and if using it as a receiver plug it into the "DMX IN" connector of your fixture and verify it is receiving power.

**\*Note:** The following procedures to setup your chosen protocol and transmission frequencies (where applicable) can also be accomplished by navigating LCD control panel menu to **Run Mode**. See: *Control Panel Menu Structure*.

## Setup Mode

1. Press and hold the **Mode/Channel Button** before, and during power up of your LightCaster AnyFi™. When you see status LED turn into white light, release the button to enter **Setup Mode**.  
 2. In **Setup Mode**, you can select 5 different transmission protocols. Each time you press the button, you will see the status indicator change in the following order: **RED, GREEN, BLUE, YELLOW, and VIOLET**. When your choice of protocols is illuminated, press and hold the button (> 1S). When you see the white light, release it to enter its **Use Mode** of transmitting or receiving.

- 6CH Skywire™ Protocol: **RED**
- W-DMX Receive Protocol: **GREEN**
- W-DMX G3 Transmit Protocol: **BLUE**
- W-DMX G4 Transmit Protocol: **YELLOW**
- 7CH Skywire™ (wiCICLE™ compatible) Protocol: **VIOLET**

## Use Mode

In **6CH Skywire™** protocol (WIDMX in menu) or **7CH Skywire™** protocol (GZ in menu), you can make your selection of the different DMX group colors.

1. The first time you press the button it will not change the group color, but show you the group that you are currently in.  
 2. Press it again, and you will cycle through the available frequency color groups.

## W-DMX G3 or G4 Transmit Protocol

1. By pressing the **Mode/Channel Button**, the transmitter can be connected to all powered but not connected receivers within the coverage area.  
 2. Press and hold (> 3S) the **Mode/Channel Button** until the indicator turns white, and it will disconnect all currently connected receivers.

## W-DMX Receive Protocol

1. If your W-DMX™ signal transmit unit is sending a signal, it should automatically sync with the LightCaster AnyFi™. If you press and hold the **Mode/Channel Button** (> 3S) the indicator will turn white, and disconnect from the transmitter.

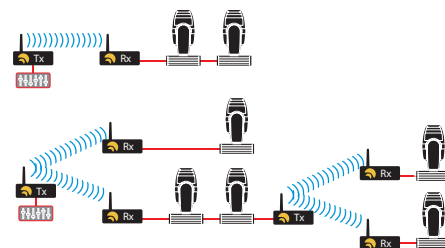
**\*Note:** A receiver can only be connected to a "new" transmitter after any existing connection is disconnected.

## CONTROL PANEL MENU STRUCTURE

Language	English	English language
	Chinese	Chinese language
Screen Saver	Off	Continually on
	Black	Blackout
	Logo	Display logo
	Run Mode	WIDMX
Run Mode	W-DMX Receiver	W-DMX Receiver Mode
	G3 Transmitter	G3 Transmitter Mode
	G4 Transmitter	G4 Transmitter Mode
	GZ	Skywire™ 7CH Mode - Frequencies 1-7
Information	Current Status	Display various system information
Advanced	Transmit Power	7DB (lowest), 18DB (low), 22DB (high), 23DB (highest)
	Screen Time	Screen saver timer (in seconds)
	Reset	System Reset

## Possible Configurations:

This diagram shows two possible configurations. Multiple receivers may be used in any possible configuration.



## SPECIFICATIONS

<b>Power Input:</b>	DC 5V, ±5%
<b>Power Consumption:</b>	350 mA@5V DC max.
<b>Operating Band:</b>	2.402 - 2.480GHz, ISM
<b>Spread Spectrum:</b>	FHSS, 1100 hops / sec
<b>Modulation:</b>	GFSK
<b>Max Operating Range:</b>	1000 FT (Line of Sight)
<b>Maximum Transmit Power:</b>	23dBm
<b>Receiver Sensitivity:</b>	-94dBm
<b>CPU:</b>	32-bit ARM Core
<b>DMX Signal Interface:</b>	3-Pin XLR Input/Output
<b>Protocol:</b>	USITT DMX-512
<b>Dimensions and Weight:</b>	4" x 3.5" x 1.6" (103 x 88 x 40 mm), 8.8 oz (250 g)
<b>Warranty:</b>	2 Years