

OUTPOST

RANGER
RGBALC

IP65

SUITABLE FOR OUTDOOR USE



intelion
INTELLIGENT
LITHIUM-ION
BATTERY SYSTEM

 **blizzard**

Blizzard Lighting, LLC
<http://www.blizzardpro.com>
Waukesha, WI USA
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TABLE OF CONTENTS

1. Getting Started	4
What's In The Box?	4
Getting It Out Of The Box	4
Powering Up!	4
Getting A Hold Of Us	4
2. Meet the Outpost™ Ranger RGBALC	6
Main Features	6
DMX Quick Reference (6-Channel Mode)	6
Outpost™ Ranger RGBALC Pin-Up Picture	7
Rear Connections	7
3. Setup	8
Fuse Replacement	8
Connecting A Bunch of Outpost™ Ranger RGBALC Fixtures	8
Data/DMX Cabling	8
3-Pin??? 5-Pin??? Huh?!?	9
Take It To The Next Level: Setting Up DMX Control	9
Fixture Linking (M/S Mode)	10
Mounting & Rigging	10
4. Operating Adjustments	11
The Control Panel	11
Control Panel Menu Structure	12
DMX Mode	13
Using CRMX Wireless DMX	13
Dimming Mode Settings	14
Custom Programs	14
Custom Static Colors	15
Fixture Reset Functions	16
Data Sync Feature	16
Fixture Information	16
Using the Intelion™ Battery System	17
Power Output Mode	17
Battery Runtime	17
Using the IR Remote Control	18
DMX Values In-Depth (6/8/12-Channel Modes)	19-20
Troubleshooting	20
5. Appendix	21
Keeping Your Outpost™ Ranger RGBALC As Good As New	21
Returns (Gasp!)	21
Shipping Issues	21
Tech Specs!	22
Photometric Data	22
Dimensional Drawings	23

LITHIUM-ION BATTERY WARNINGS & INFO

YOU MUST READ THESE SAFETY INSTRUCTIONS AND WARNINGS BEFORE USING OR CHARGING YOUR FIXTURES. LI-ION BATTERIES ARE VOLATILE. FAILURE TO READ AND FOLLOW THE BELOW INSTRUCTIONS MAY RESULT IN FIRE, PERSONAL INJURY AND DAMAGE TO PROPERTY IF CHARGED OR USED IMPROPERLY. BY PURCHASING AND USING THESE FIXTURES, YOU ASSUME ALL RISKS ASSOCIATED WITH LITHIUM BATTERIES.

1. WARNING! TO REDUCE THE RISK OF INJURY AND/OR EQUIPMENT DAMAGE, DO NOT TAMPER WITH THE CHARGING CIRCUITRY IN THIS FIXTURE. The use of other types of chargers may result in personal injury or equipment damage. Under no circumstances attempt to connect the battery pack to any power supplies or other equipment that is not specifically and expressly designated for use with this model battery pack.

2. NEVER CHARGE UNATTENDED. When charging Li-Ion batteries, you must always remain in constant observation in order to react to potential problems which may occur. Failure to do so may result in fire. Put the battery in a fireproof container, and charge in an isolated area, away from flammable materials. Always have a fire extinguisher ready for emergency use.

3. USE THE LITHIUM ION BATTERY PACK ONLY WITH EQUIPMENT SPECIFICALLY AND EXPRESSLY DESIGNATED FOR USE WITH THIS MODEL BATTERY PACK. Use with other equipment may result in fire, electric shock, personal injury, and/or damage to equipment.

4. AVOID DANGEROUS CONDITIONS AND ENVIRONMENTS. Do not charge the battery pack in damp or wet conditions. Avoid using the pack in direct exposure to rain or snow. Do not use the battery pack or charger in the presence of explosive gases or flammable materials.

5. AVOID USING OR STORING THE BATTERY PACK IN EITHER EXTREME COLD OR EXTREME HOT TEMPERATURES. The battery pack will disable itself under conditions of extreme heat (above 60 °C) and may not function to full performance under conditions of extreme cold (below -20 °C). Storage at elevated temperatures (above 25 °C) will shorten the life of the battery pack.

6. DO NOT BURN OR INCINERATE BATTERY PACKS. Battery packs may explode causing personal injury, fire, and/or damage. Fumes resulting from burning of battery packs may be toxic.

7. DO NOT DROP, CRUSH, IMPACT, OR MECHANICALLY ABUSE BATTERY PACKS. Cease use of fixtures that have suffered a sharp impact, been dropped, run over, or damaged in any other way. Such impacts may cause internal damage that is not externally visible and that, over time, may cause short circuits, battery cell leakage, or other events that may lead to fire, personal injury, and or equipment damage.

8. DO NOT DISASSEMBLE BATTERY PACK. There are no user serviceable parts within battery packs. Disassembly may result in short circuiting or other damage that may cause fire, personal injury, and/or other damage.

9. AVOID CONTACT WITH BATTERY CHEMICALS. If a battery pack leaks battery chemicals, avoid any contact with skin, eyes, or mouth. In the event of contact with skin, wash immediately with soap and water and rinse with vinegar. For eye contact, begin flushing with clean water, immediately call for medical help, and continue flushing for 20 minutes or until medical help arrives.

10. STORE IN A COOL, DRY PLACE. Avoid leaving the fixture in direct sunlight, vehicle cabs, compartments, or unventilated storage buildings during hot summer conditions. Under extreme temperature conditions damage may occur. Elevated temperatures in general shorten the life of your battery pack.

1. GETTING STARTED

What's In The Box?

- 1x Outpost™ Ranger RGBALC LED Fixture
- 1x AC Power Cord
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on purchasing the Outpost™ Ranger RGBALC. Now that you've got your fixture, 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 packing materials. If a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Powering Up!

All fixtures must be powered directly off a switched circuit and **cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.**

AC Voltage Compatibility - Confirm that the product's power requirements align with your local power supply before use. Refer to the product's label or the specifications chart provided with the product for details. The current rating listed represents the average current draw under normal conditions.

Warning! Verify the product's compatibility with your area's line voltage to avoid damage. Ensure that all connections are made to circuits that provide proper grounding (earthing).

Getting A Hold Of Us

If something is wrong, please visit our website at www.blizzardpro.com/support and open a support ticket. We'll be happy to help, honest.

Disclaimer: The information contained in this document is subject to change without notice. Blizzard Lighting™ assumes no responsibility or liability for any errors or omissions that may appear in this user manual. We reserve the right to update the existing document or create a new one to correct any errors or omissions. You can download the latest version of this document from www.blizzardpro.com.

Author:	Date:	Last Edited:	Date:
J. Thomas	9/10/2024	J. Thomas	12/10/2024



Please read these instructions carefully. They include important information about the installation, usage and maintenance of this product.

- Please keep this User Guide for future use. If you sell the unit to someone else, be sure that they also receive this User Guide.
- 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 on the decal or rear panel of the fixture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ALWAYS disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type.
- ALWAYS secure fixture using a safety chain. NEVER carry the fixture by its head. Use its carrying handles.
- DO NOT operate at ambient temperatures higher than 104°F (40°C).
- In the event of a serious operating problem, stop using the unit immediately. NEVER try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- NEVER connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please open a support ticket at www.blizzardpro.com/support.

2. MEET THE OUTPOST™ RANGER RGBALC

Main Features

- Light source: 3x 20W RGBALC 6-in-1 LEDs, 100,000 hrs.
- IP65 rated outdoor LED fixture
- Built-in 2.4Ghz CRMX wireless DMX receiver
- Intelion™ lithium-ion battery system
- Built-in auto programs + virtual color wheel
- 6/8/12-channel DMX profiles w/32-bit dimming
- Flicker-free constant-current LED driver
- 25 degree beam angle
- 4-button control menu with OLED display
- Mounting bracket for versatile mounting or stable freestanding
- IR remote controllability (remote included)
- 5-pin male/female XLR input & output connections
- PowerCON® TRUE1™ compatible power input

DMX Quick Reference (6-Channel Mode)

Channel	What is does...
1	Red Intensity (0 <--> 100%)
2	Green Intensity (0 <--> 100%)
3	Blue Intensity (0 <--> 100%)
4	Amber Intensity (0 <--> 100%)
5	Lime Intensity (0 <--> 100%)
6	Cyan Intensity (0 <--> 100%)

DMX Quick Reference (8-Channel Mode)

Channel	What is does...
1	Master Dimmer (0 <--> 100%)
2	Red Intensity (0 <--> 100%)
3	Green Intensity (0 <--> 100%)
4	Blue Intensity (0 <--> 100%)
5	Amber Intensity (0 <--> 100%)
6	Lime Intensity (0 <--> 100%)
7	Cyan Intensity (0 <--> 100%)
8	Strobe (Slow <--> Fast)

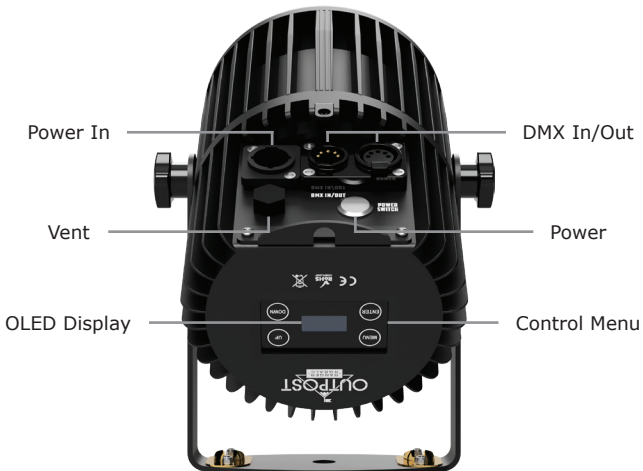
DMX Quick Reference (12-Channel Mode)

Channel	What is does...
1	Master Dimmer (0 <--> 100%)
2	Red Intensity (0 <--> 100%)
3	Green Intensity (0 <--> 100%)
4	Blue Intensity (0 <--> 100%)
5	Amber Intensity (0 <--> 100%)
6	Lime Intensity (0 <--> 100%)
7	Cyan Intensity (0 <--> 100%)
8	Strobe (Slow <--> Fast)
9	Built-In Programs
10	Auto Speed (Slow <--> Fast)
11	Virtual Color Wheel
12	32-Bit Dimming

Figure 1: Outpost™ Ranger RGBALC Pin-Up Picture



Figure 2: Rear Connections



3. SETUP



Before replacing a fuse, disconnect the power cord. ALWAYS replace with the same type and rating of fuse.

Fuse Replacement

This fixture utilizes a high-output switch-mode power supply with an internal fuse. Under normal conditions, the fuse should not require replacement. Should your fixture require fuse replacement, please contact us for instructions.

Connecting A Bunch of Outpost™ Ranger RGBALC Fixtures

You will need a serial data link to run light shows using a DMX-512 controller or to run shows on two or more fixtures set to sync in master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Fixtures on a serial data link must be daisy chained in a single line. Also, connecting more than 32 fixtures on one serial data link without the use of an optically-isolated DMX splitter may result in deterioration of DMX signal. The maximum recommended cable-run distance is 500 meters (1640 ft).

Data/DMX Cabling

To link fixtures together you'll need data cables. You should use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

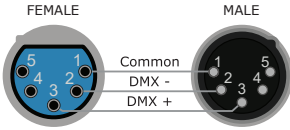
For instance, Belden© 9841 meets the specifications for EIA RS-485 applications. Standard microphone cables will "probably" be OK, but note that they cannot transmit DMX data as reliably over long distances. In any event, the cable should have the following characteristics:

- *2-conductor twisted pair plus a shield*
- *Maximum capacitance between conductors – 30 pF/ft.*
- *Maximum capacitance between conductor & shield – 55 pF/ft.*
- *Maximum resistance of 20 ohms / 1000 ft.*
- *Nominal impedance 100 – 140 ohms*

Disclaimer: The power connectors fitted to the fixture and fixture cord are designed for compatibility with products manufactured by Neutrik AG, Neutrik USA and their related entities, however they are not manufactured by, affiliated with or endorsed by Neutrik AG, Neutrik USA, or any related entity. Neutrik® and powerCON® are registered trademarks of Neutrik AG.

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end. (Duh!)



A Word on Termination:

DMX is a resilient communication protocol, but however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

To build your own DMX Terminator:

Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2 & 3 of the last fixture. They are also readily available from specialty retailers.

CAUTION: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

3-Pin??? 5-Pin??? Huh?!?

If you use a controller with a 3-pin DMX output connector, you will need to use a 3-pin to 5-pin adapter. If you'd like to build your own, the chart below details a proper cable conversion:

Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data 1- (Primary Data)	Pin 2	Pin 2
Data 1+ (Primary Data)	Pin 3	Pin 3
Data 2- (Optional)	--	Pin 4 - Do Not Use
Data 2+ (Optional)	--	Pin 5 - Do Not Use

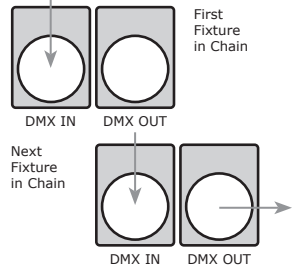
Take It To The Next Level: Setting Up DMX Control

Step 1: Connect the male connector of the DMX cable to the female connector (output) on the controller.

Step 2: Connect the female connector of the DMX cable to the first fixture's male connector (input).

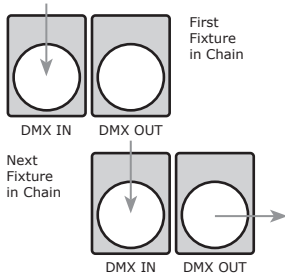
Note: It doesn't matter which fixture address is the first one connected. We recommend connecting the fixtures in terms of their proximity to the controller, rather than connecting the lowest fixture number first, and so on.

Step 3: Connect other fixtures in the chain from output to input as above. Place a DMX terminator on the output of the final fixture to ensure best communication.



Fixture Linking (M/S Mode)

1. Connect the male connector side of the DMX cable to the output female connector of the first fixture.



2. Connect the end of the cable coming from the first fixture which will have a female connector to the input connector of the next fixture consisting of a male connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

A quick note: Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via either settings in the control panel or DIP-switches. Secondly, the fixtures that follow may also require a slave setting.

Check the **"Operating Adjustments"** section in this manual for complete instructions for this type of setup and configuration.

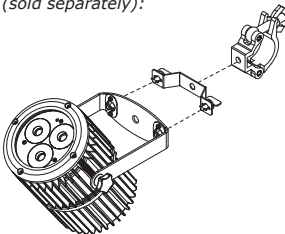
Mounting & Rigging

This fixture may be mounted in any SAFE position provided there is enough room for ventilation. The fan or vent pathway must never be obstructed.

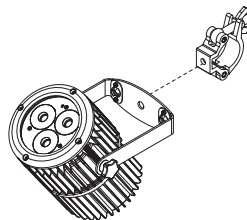
IMPORTANT: Regardless of the rigging option you choose for your fixtures, always be sure to secure your fixture with a safety cable.

Clamp Mounting

*With Omega bracket
(sold separately):*



Without Omega bracket:



Mount the fixture using a suitable "C" or "O" type clamp. The clamp should be rated to hold at least 10x the fixture's weight to ensure structural stability. Do not mount to surfaces of unknown strength, and ensure properly rated rigging is used when mounting fixtures overhead.

Overhead mounting requires extensive experience, which includes calculating working load limits, knowledge of the installation material being used, and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself.

4. OPERATING ADJUSTMENTS

The Control Panel

All the features and different modes possible with the Outpost™ Ranger RGBALC are accessed by using the control panel on the rear of the fixture. There are 4 control buttons which allow you to navigate through the various control panel menus.

<MENU>

Is used to navigate to the previous higher-level menu item.

<UP>

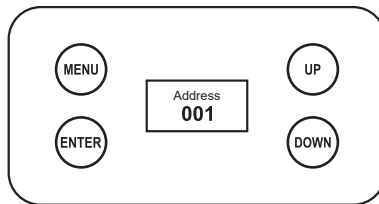
Scrolls through menu items and numbers in ascending order.

<DOWN>

Scrolls through menu items and numbers in descending order.

<ENTER>

Is used to select and confirm/store the current selection.



The control panel display shows the menu items you select from the menu map on page #12. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press **<ENTER>**.

Use the **<UP>** and **<DOWN>** buttons to navigate the menu options. Press the **<ENTER>** button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the **<MENU>** button.

Control Panel Menu Structure

Address	001-512		To choose the DMX address	
Static	Red		Red intensity (0% <--> 100%)	
	Green		Green intensity (0% <--> 100%)	
	Blue		Blue intensity (0% <--> 100%)	
	Amber		Amber intensity (0% <--> 100%)	
	Lime		Lime intensity (0% <--> 100%)	
	Cyan		Cyan intensity (0% <--> 100%)	
	Strobe		Flash / strobe speed (0-255)	
Set	Presets		None, Red, Green, Blue, Amber, Lime, Cyan, Yellow, Pink, Royal Blue, Orange, Violet, Golden, 2700K, 3200K, 4000K, 5500K, 6500K, RGBA	
	Source		2.4G Unlink Cable	
	Calibrate		Set global intensity levels of each color + USE: YES/NO	
	Ch. Mode	6CH	To run in 6-channel mode	
		8CH	To run in 8-channel mode	
		12CH	To run in 12-channel mode	
	Curves	Linear	Linear dimming curve	
		Square	Square law curve	
		Inv. Sq.	Inverse square law curve	
		S-Curve	S-curve	
		Linear (S)	Linear dimming curve (smooth)	
		Square (S)	Square law curve (smooth)	
		Inv Sq (S)	Inverse square law curve (smooth)	
	S-Curve (S)	S-curve (smooth)		
	PWM		1200Hz, 2400Hz, 4000Hz, 12000Hz, 16000Hz, 20000Hz	
	Display	On	Menu display is on continually	
		Off (2 Min)	Menu display shuts off after 2 minutes of inactivity	
	Lock	No/Yes	To unlock the menu, press: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER> within 3 seconds each.	
	Rotate	<ENTER>	Select normal or rotate the menu display by 180°	
	Intensity	<ENTER>	Adjust the menu brightness intensity level 1-100	
IR Remote	<ENTER>	Enable or disable IR remote control		
PWR Output	<ENTER>	Set the battery output level as High, Medium, or Low		
Custom	Custom 1-10	<ENTER>	R/G/B/A/L/C adjustments for custom colors 1-10	
Auto	Auto 1 - Auto 5	<ENTER>	Auto programs 1-5	
	Auto Speed	<ENTER>	Auto speed 0-255 (fast to slow)	
	Chase 1	<ENTER>	Custom chase program 1	
	Chase 2	<ENTER>	Custom chase program 2	
	Chase 3	<ENTER>	Custom chase program 3	
Program	Chase 1-3	Scene 1-25 25 scenes for each custom program.	Red (0-255)	Strobe (strobe, 0-255)
			Green (0-255)	Auto (None, AT01-AT05)
	Blue (0-255)		Auto Speed (0-255 sec.)	
	Amber (0-255)		Time (duration, 0-255 sec.)	
	Lime (0-255)		Wait (before fade, 0-255 sec.)	
	Cyan (0-255)		Use (use scene, No/Yes)	
Info	Software		Software version information	
	Power		Automated overheat protection level (100%/80%/50%)	
	Temp.		Display the internal temperature of the fixture	
	RDM UID		RDM Unique ID (UID)	
Reset	Settings		Restore factory settings	
	Programs		Restore factory program settings	
Send	No/Yes		Sync settings between fixtures via DMX	

DMX Mode

Allows the unit to be controlled by any universal DMX controller.

Setting the DMX Address:

- 1.) The default mode for the fixture is DMX, which appears as **001** on the OLED readout. To select a different DMX address, using the **<MENU>** button, select **Address**, then hit **<ENTER>**. Use the **<UP/DOWN>** buttons to select the correct address, then hit **<ENTER>** to confirm.

Setting the DMX Channel Mode:

- 1.) To select a DMX channel mode, press the **<MENU>** button, then use the **<UP/DOWN>** buttons until the display reads **Set** and press the **<ENTER>** button. Then use the **<UP/DOWN>** buttons until the display reaches **Ch. Mode**, and press **<ENTER>**. Now press the **<UP/DOWN>** buttons again to highlight your desired DMX channel mode, and press the **<ENTER>** button to confirm.

Slave Mode:

- 1.) Daisy chain the DMX in/out connections on all fixtures.
- 2.) There is nothing else to it! The first fixture in the DMX chain is the master fixture, and the other fixtures down the line will follow it.

Using CRMX Wireless DMX

This fixture is equipped with a LumenRadio-compatible wireless 2.4 GHz frequency CRMX receiver that allows for stable and easy-to-setup wireless DMX connections. Please refer to your specific CRMX transmitter for further instructions.

Steps to Connect:

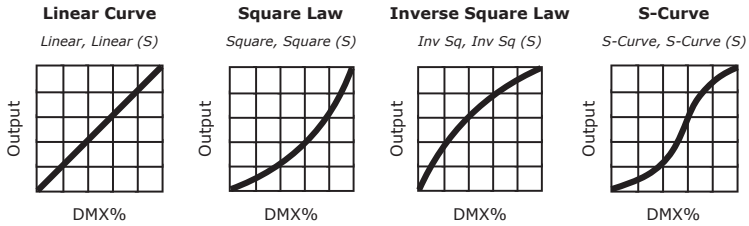
- 1.) Ensure your transmitting device is broadcasting a CRMX wireless signal.
- 2.) Navigate to the fixture's menu and go to **Set > Source > Unlink**. Confirm if you wish to unlink from any previous connection.
- 3.) From the **Source** sub-menu, select **2.4G**.
- 4.) Once the fixture is paired, the wireless status LED will illuminate **BLUE**. When receiving DMX, the LED will turn **PURPLE**.

Setup Examples:

- 1.) One transceiver with multiple receiver setups:
 - a.) Power on all units.
 - b.) On the receiving fixtures, follow the previous instructions to pair them with the transmitting unit.
- 2.) Multiple transceiver setups, with multiple receivers; e.g. 3 groups consisting of a transceiver & receiver(s) named A, B, and C:
 - a.) Turn power off of all units.
 - b.) Group "A" gets powered on, then follow step 1 above.
 - c.) Group "B" gets powered on, then follow step 1 above.
 - d.) Group "C" gets powered on, then follow step 1 above.

Dimming Mode Settings

Allows users to set the fixture to use 1 of 4 (x2) dimming curve settings for smoother (and slower) dimming capabilities. In the control panel menu, there are two settings for each curve that are distinguishable from one another by the trailing (S).



*The curve settings with the trailing (S) adds a bit more delay to the curve for a smoother effect.

- 1.) Use the <MENU> and <UP/DOWN> buttons to navigate to **Set** and press <ENTER>, then <UP/DOWN> buttons again to scroll to **Curves**, and press the <ENTER> button.
- 2.) Now use the <UP/DOWN> buttons to highlight either **Linear**, **Square**, **Inv Sq**, **S-Curve**, **Linear (S)**, **Square (S)**, **Inv Sq (S)**, or **S-Curve (S)**, then press <ENTER>.

Custom Programs

Allows users to create up to 3 customizable, 25 scene programs that are directly accessible via the control panel and also in DMX mode.

Creating A Custom Program:

- 1.) Use <MENU> and <UP/DOWN> to navigate to **Program**, then press <ENTER>.
- 2.) Highlight **Chase 1**, **Chase 2**, or **Chase 3**, and press <ENTER>.
- 3.) Now you can edit **Scene 1** by adding any of its 5 built-in programs (**Auto 1-5**), and adjust its speed (**Auto Speed 0-255**), and also set the duration (in seconds) before moving on to the next scene (**Time 0-255**). You can also add a fade in effect to the start of this scene (**Wait 0-255**), and/or strobe (**Strobe 0-255**). Finally, if you want to use this scene in your program, be sure to enable it (**USE: YES/NO**).
- 4.) Repeat to create up to 25 scenes for each of the 3 programs.

Red Intensity (0-255)	Cyan Intensity (0-255)	Wait (0-255, fade in fast to slow)
Green Intensity (0-255)	Strobe (0-255, slow - fast)	Use (No/Yes) Use scene in program?
Blue Intensity (0-255)	Auto 1-5 (auto programs)	IMPORTANT: If USE is set to NO, or TIME is set to 0, the scene will not run!
Amber Intensity (0-255)	Auto Speed (0-255, fast - slow)	
Lime Intensity (0-255)	Time (0-255, scene time in seconds)	

Running A Custom Program:

- 1.) To view your newly created lighting masterpiece, use the <MENU> and <UP/DOWN> buttons to navigate to **Auto**, and press <ENTER>.
- 2.) Use the <UP/DOWN> buttons to highlight **Chase 1**, **Chase 2**, or **Chase 3** and press <ENTER>. These are directly accessible from the **built-in program channel** in DMX mode.

Auto Mode and Speed Settings

Set single or Master/Slaved units to run automated programs at user-selectable speeds.

Auto Mode:

- 1.) Use the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Auto**, and press the **<ENTER>** button.
- 2.) Now use the **<UP/DOWN>** buttons to highlight any program ranging from **Auto 1-5**, and press **<ENTER>**.

Auto Speed:

- 1.) Use the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Auto** and press **<ENTER>**, then with the **<UP/DOWN>** buttons navigate to **Auto Speed**, and press the **<ENTER>** button.
- 2.) Make a selection from **0-255**, and press **<ENTER>** to choose a speed (fast <--> slow).

Color Calibration Settings

Allows the user to setup and save 1 customized R/G/B/A/L/C color balance setting and save it for future use. This custom setting is global, and it will effect all modes.

- 1.) Use the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Set** and press **<ENTER>**, then while on **Calibrate**, push **<ENTER>** again.
- 2.) Use the **<UP/DOWN>** buttons to highlight either **Red, Green, Blue, Amber, Lime, or Cyan**, then press the **<ENTER>** button.
- 3.) Now using the **<UP/DOWN>** buttons, select the maximum level for each color between 000-255 (000=off), and hit **<ENTER>** to confirm your choice.
- 4.) You have now set up and saved a custom global color calibration setting. To use your custom setting now (or later), press the **<UP/DOWN>** buttons to reach **USE**, and press **<ENTER>**. Then choose either **YES** or **NO** and press **<ENTER>**. Selecting **YES** enables this custom color calibration globally, and choosing **NO** keeps the fixture using the default color calibration settings. Your customized settings will be saved for later use even after powering off the fixture. They can be altered to your liking at any time. Just remember to return to this setting to either enable or disable it when needed.

Custom Static Colors

Allows the user to create and save up to 10 custom static colors for use in standalone or DMX mode.

- 1.) Navigate to **Custom** in the menu and press **<ENTER>**, then use the **<UP/DOWN>** buttons to select a color bank from **Color 1-10**, and push **<ENTER>** to confirm your selection.
- 2.) Now use the **<UP/DOWN>** buttons to highlight either **Red, Green, Blue, Amber, Lime, or Cyan** and then press **<ENTER>**.
- 3.) Using the **<UP/DOWN>** buttons, select the maximum level for each color between 000-255 (000=off), and press **<ENTER>** to confirm your choice(s).
- 4.) These 10 custom colors can be accessed and edited to your liking at any time and will be saved even after powering off the fixture.
- 5.) These static colors are directly accessible from the **Effect Channel** in DMX mode.

Fixture Reset Functions

Allows users to reset the fixture to factory default settings without losing customized settings or to reset the custom programs exclusively.

- 1.) Use the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Reset** and press **<ENTER>**. Then highlight either **Settings** or **Programs** and press **<ENTER>**.
- 2.) Use the **<UP/DOWN>** buttons to highlight either **Yes** or **No**, then press **<ENTER>**.
- 3.) The **Settings** reset function will reset all default values **except** those in **Address**, **Custom** (10 custom colors), and **Programs** (custom scenes and programs).
- 4.) The **Programs** reset function will only reset all customized program settings found in the **Programs** settings (custom scenes and programs).

Data Sync Feature

Users can transfer their custom settings from one fixture to another via DMX.

- 1.) Disconnect fixtures from any DMX controllers, and link them together via DMX in/out.
- 2.) On the sending fixture (DMX out), navigate the main menu using the **<UP/DOWN>** buttons to reach **Send**, and press the **<ENTER>** button.
- 3.) Select **YES**, and press the **<ENTER>** button to begin the transfer.
- 4.) The information in **Address**, and **Calibrate** will not be sent.
- 5.) After the data has been transferred, the receiving fixture will be automatically be reset.

Fixture Information

These are not editable features, they are for informational purposes only.

- 1.) Use the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Info** and press **<ENTER>**. Then use the **<UP/DOWN>** buttons to highlight **Software**, **Power**, or **Temp** and press **<ENTER>**.
- 2.) The **Software** information displays the current software version installed on the fixture, **Temp** displays the temperature (C) of the LED board, and **Power** displays the fixture's current power level setting. Normally, it will be at 100%, but this fixture has built-in overheat protection that may automatically reduce the output level to 80%, or 50% in high temperature situations.

Using the Intelion™ Battery System

This fixture offers our proprietary Intelion™ Lithium-Ion internal battery system which allows you the flexibility to operate your fixture without AC power.

To charge the battery, simply plug the fixture into a power source. The battery will charge whether the fixture is powered on or off. It will even charge while in use!

The built-in microprocessor of the battery system controls the charge and overall battery health, so all you need to do is plug and play.



The home screen of the OLED display shows the battery power level indicator which displays the approximate amount of power remaining in the battery. When charging, the charge status LED on the right side of the OLED display will illuminate in **RED**, then turn **GREEN** when the charge is complete.

Power Output Mode

Depending on the needs of any given application, you can select either High, Medium, or Low (battery saver mode), which allows the fixture to run for a longer time at lower output.

1. Navigate the menu to reach **SET**, and then **PWR Output**, and press **<ENTER>**.
2. Use the **<UP/DOWN>** buttons to select **High (100%)**, **Medium (75%)**, or **Low (50%)**.
3. Press **<ENTER>** to confirm the setting.

Battery Runtime

- Full brightness: ≥ 2.5 hours
- Single color: ≥ 13 hours
- 2 colors: ≥ 6 hours

Note: Use of different colors, fades, chases, strobe effects, and environmental factors including ambient temperature will all impact battery life. A full charge is obtained after charging for at least 3.5 hours. The fixture will automatically stop charging when the battery is in optimal condition.

Using the IR Remote Control

To use the IR remote, first enable IR control from the OLED menu by navigating to **Set > IR Remote** and selecting **Enabled** or **Disabled**.

The remote control is simple to use. It offers much of the same functionality of the control panel, with the addition of quick access shortcut buttons.

ON + OFF - Double-tap ON to activate the remote and tap OFF to deactivate.

R/G/B/A/L/C - Pressing any of these buttons sets the fixture to static color mode for color mixing. Use + to increase and - to decrease the intensity of the selected color.

FULL - Sets all values (R, G, B, A, L, C, DIM, or SPEED) to maximum.

CLEAR - Resets all values (R, G, B, A, L, C, DIM, or SPEED) to 0.

STROBE - Cycles through various strobe speeds and types.

AUTO - Cycles through the available auto modes.

CUSTOM COLOR - Cycles through 10 custom colors set on the fixture.

CUSTOM CHASE - Cycles through the 3 custom chases set on the fixture.

DIM - Adjusts the fixture's overall intensity. Use + to increase and - to decrease the intensity.

SPEED - Adjusts the auto mode speed. Use + to increase and - to decrease the speed.



DMX Values In-Depth (6/8/12-Channel Modes)

6CH	8CH	12CH	Value	What It Does
--	1	1	000 <--> 255	Dimmer (0% <--> 100%)
1	2	2	000 <--> 255	Red Intensity (0% <--> 100%)
2	3	3	000 <--> 255	Green Intensity (0% <--> 100%)
3	4	4	000 <--> 255	Blue Intensity (0% <--> 100%)
4	5	5	000 <--> 255	Amber Intensity (0% <--> 100%)
5	6	6	000 <--> 255	Lime Intensity (0% <--> 100%)
6	7	7	000 <--> 255	Cyan Intensity (0% <--> 100%)
--	8	8	000 <--> 005 006 <--> 020 021 <--> 060 061 <--> 100 101 <--> 140 141 <--> 180 181 <--> 220 221 <--> 255	Strobe No strobe Non-synchronous strobe (slow <--> fast) Synchronous strobe (slow <--> fast) Electronic sine wave (slow <--> fast) Random strobe (slow <--> fast) Opening pulse (slow <--> fast) Closing pulse (slow <--> fast) Electronic square wave (slow <--> fast)
--	--	9	000 <--> 005 006 <--> 010 011 <--> 015 016 <--> 020 021 <--> 025 026 <--> 030 031 <--> 035 036 <--> 040 041 <--> 045 046 <--> 050 051 <--> 055 056 <--> 060 061 <--> 065 066 <--> 070 071 <--> 075 076 <--> 080 081 <--> 110 111 <--> 115 116 <--> 120 121 <--> 125 126 <--> 130 131 <--> 135 136 <--> 140 141 <--> 145 146 <--> 150 151 <--> 155 156 <--> 160 161 <--> 165 166 <--> 170 171 <--> 175 176 <--> 180 181 <--> 185 186 <--> 190 191 <--> 195 196 <--> 200 201 <--> 220 221 <--> 225 226 <--> 230 231 <--> 235 236 <--> 255	Built-In Programs No Function Color 1 (custom color 1 in menu) Color 2 (custom color 2 in menu) Color 3 (custom color 3 in menu) Color 4 (custom color 4 in menu) Color 5 (custom color 5 in menu) Color 6 (custom color 6 in menu) Color 7 (custom color 7 in menu) Color 8 (custom color 8 in menu) Color 9 (custom color 9 in menu) Color 10 (custom color 10 in menu) Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Reserved Red Green Blue Amber Lime Cyan Yellow Pink Royal Blue Orange Violet Golden 2700K White 3200K White 4000K White 5500K White 6500K White RGBA No Function Custom program 1 (as set in menu) Custom program 2 (as set in menu) Custom program 3 (as set in menu) No Function

DMX Values In-Depth (6/8/12-Channel Modes), continued

6CH	8CH	12CH	Value	What It Does
--	--	10	000 <--> 255	Auto Speed (fast <--> slow)
--	--	11	000 <--> 010 011 012 <--> 050 051 052 <--> 090 091 092 <--> 130 131 132 <--> 170 171 172 <--> 210 211 212 <--> 250 251 <--> 255	Virtual Color Wheel No Function Blue Blue (+ green) Cyan Cyan (- blue) Green Green (+ red) Yellow Yellow (- green) Red Red (+ blue) Magenta Magenta (- red) Blue
--	--	12	000 <--> 010 011 <--> 020 021 <--> 030 031 <--> 040 041 <--> 050 051 <--> 060 061 <--> 070 071 <--> 080 081 <--> 090 091 <--> 255	Dimming Mode Default (as set in the LED menu) Linear curve Square law curve Inverse square law curve S-curve Linear curve (smooth) Square law curve (smooth) Inverse square law curve (smooth) S-curve (smooth) Default (as set in the LED menu)

Troubleshooting

Symptom	Solution
No Light Output	Check power connection and ensure that the fixture is operating under the correct working mode.
Dim Output	Check the overheat protection level in the menu. If it has been triggered, ensure that the fixture has sufficient ventilation.
Chase Speed Too Fast/Slow	Verify that the speed adjustment settings are correct.
Loss of DMX Control	Check the DMX and the power connections to make sure that they are connected. Make sure the DMX address setting is correct. Check to see if the channel mode setting is correct.
No Power	Verify that the power cord and circuit are functioning.
Blown Fuse	Check power cords and circuit for damage.
Fixture Not Responding / Responding Erratically	Make sure all connectors are seated properly and securely. Use only DMX cables and/or check cables for defects. Install a DMX signal terminator. Reset fixture(s).

5. APPENDIX

Keeping Your Outpost™ Ranger RGBALC As Good As New

The fixture you've received is a rugged, tough piece of pro lighting equipment, and as long as you take care of it, it will take care of you. Cleaning the optics routinely with a suitable glass cleaner will greatly improve the quality of light output.

In transit, keep the fixtures in cases. Common sense and taking care of your fixtures will be the single biggest thing you can do to keep them running at peak performance and let you concentrate on designing a great light show. That's what it's all about, after all!

Returns (Gasp!)

We've taken a lot of precautions to make sure you never even have to worry about sending a defective unit back, or sending a unit in for service. But, like any complex piece of equipment designed and built by humans, once in a while, something doesn't go as planned. If you find yourself with a fixture that isn't behaving like a good little fixture should, you'll need to obtain a Return Authorization (RA).

Don't worry, this is easy. Just visit www.blizzardpro.com/support and open a support ticket, and we'll issue you an RA. Then, you'll need to send the unit to us using a trackable, pre-paid freight method. We suggest using USPS Priority or UPS. Make sure you carefully pack the fixture for transit, and whenever possible, use the original box & packing for shipping.

When returning your fixture for service, be sure to include the following:

- 1.) Your contact information (Name, Address, Phone Number, Email address).
- 2.) The RA# issued to you
- 3.) A brief description of the problem/symptoms.

We will, at our discretion, repair or replace the fixture. Please remember that any shipping damage which occurs in transit to us is the customer's responsibility, so pack it well!

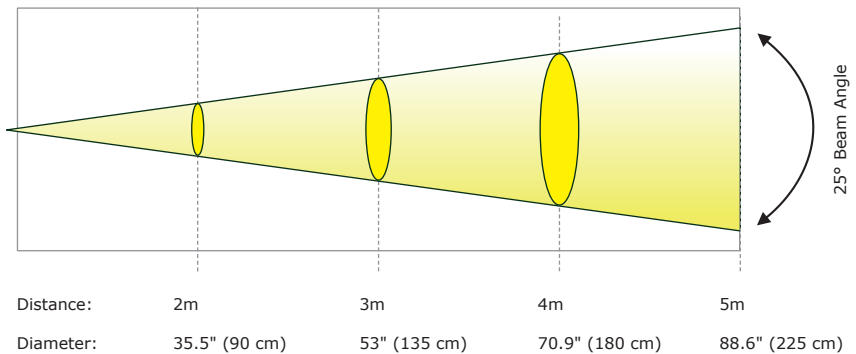
Shipping Issues

Damage incurred in shipping is the responsibility of the shipper, and must be reported to the carrier immediately upon receipt of the items. Claims must be made within seven (7) days of receipt.

Tech Specs!

Weight & Dimensions	
Width	7.5 inches (190 mm)
Depth	5.7 inches (143.8 mm)
Height	9.4 inches (239.4 mm)
Weight	7.5 lbs. (3.4 kg)
Power	
Operating Voltage	AC 100V-240V/50-60Hz
Power Consumption	50W, .43A, PF: .99
Light Source	
LED	3x 20W RGBALC 6-in-1 LEDs, 100,000 hrs.
Optical	
Luminous Intensity	2,495 Lux @ 2.5M, 592 Lux @ 5M
Beam Angle	25-degree beam
Thermal	
Max. Operating Temp.	104 degrees F (40 degrees C) ambient
Control	
Protocol	USITT DMX-512, RDM
DMX Channels	6/8/12-channel DMX modes
Input/Output	5-pin XLR Male/Female
Other Operating Modes	DMX512, M/S, Standalone, Auto Mode
Warranty	
2-year limited warranty, does not cover malfunction caused by damage to LEDs.	

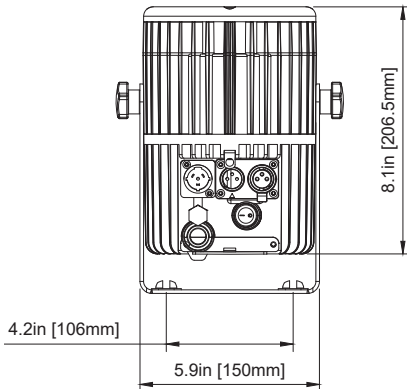
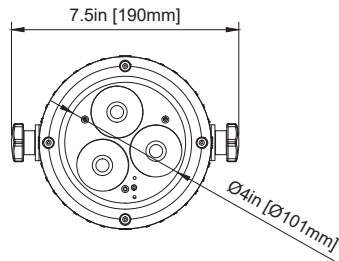
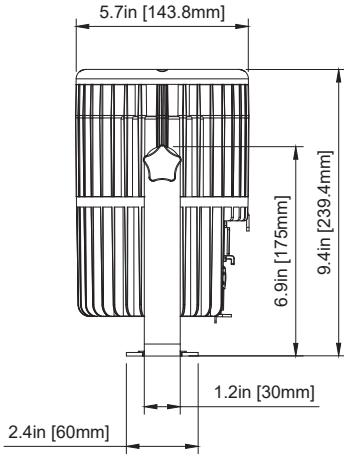
Photometric Data



Luminous Intensity:

Beam	2-meter		3-meter		4-meter		5-meter	
	Lux	fc	Lux	fc	Lux	fc	Lux	fc
25°	3,927	364.8	1,716	159.4	950	88.3	592	55.0

Dimensional Drawings





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