Stormchaser™ SUPERCELL PRO



blizzard

Blizzard Lighting, LLC
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1. GETTING STARTED

What's In The Box?

- 1x StormChaser™ Supercell Pro LED Fixture
- 1x Tripod Stand
- 1x Power Cord
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on purchasing the StormChaser™ Supercell Pro. 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.

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Safety Instructions



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.

• This product is intended for indoor use only.

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

• 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.

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2. MEET THE STORMCHASER™ SUPERCELL PRO

Main Features

- 384* 0.5W 5-in-1 SMD 5050 LEDs (RGB+CW+WW)
- Electronically controlled clear/frosted smart lens (104° beam, 110° with frost)
- Smooth dimming, built-in programs, and multiple pixel mapping groups
- Virtual color wheel effects
- Adjustable LED refresh rates (4000Hz–32kHz)
- +5V USB output for wireless accessories (not included)
- Interlocking housing design, plus dual mounting brackets and locking knobs
- 5-pin DMX and powerCON® TRUE1-compatible I/O
- Free-standing setup with included tripod stand

Control

- Protocol: USITT DMX-512, RDM
- DMX Channels: 6/7/12/17/27/47/49/81/87 DMX channels
- 4-button control menu with OLED display
- Operating modes: DMX512, M/S, auto, sound active mode

DMX Quick Reference (6/7/12/17/27/47/49/81/87-Channel Modes)

6CH	7CH	12CH	17CH	27CH	47CH	49CH	81CH	87CH	What it does
1	1	1	1	1	1	1	1	1	Frost
--	2	2	2	2	2	--	--	2	Dimmer
2-6	3-7	3-7	3-7	3-7	3-7	--	2-6	3-7	Group 1 R/G/B/CW/WW
--	--	--	8-12	8-12	8-12	--	7-11	8-12	Group 2 R/G/B/CW/WW
--	--	--	--	13-17	13-17	--	12-16	13-17	Group 3 R/G/B/CW/WW
--	--	--	--	18-22	18-22	--	17-21	18-22	Group 4 R/G/B/CW/WW
--	--	--	--	--	23-27	--	22-26	23-27	Group 5 R/G/B/CW/WW
--	--	--	--	--	28-32	--	27-31	28-32	Group 6 R/G/B/CW/WW
--	--	--	--	--	33-37	--	32-36	33-37	Group 7 R/G/B/CW/WW
--	--	--	--	--	38-42	--	37-41	38-42	Group 8 R/G/B/CW/WW
--	--	--	--	--	--	--	42-46	43-47	Group 9 R/G/B/CW/WW
--	--	--	--	--	--	--	47-51	48-52	Group 10 R/G/B/CW/WW
--	--	--	--	--	--	--	52-56	53-57	Group 11 R/G/B/CW/WW
--	--	--	--	--	--	--	57-61	58-62	Group 12 R/G/B/CW/WW
--	--	--	--	--	--	--	62-66	63-67	Group 13 R/G/B/CW/WW
--	--	--	--	--	--	--	67-71	68-72	Group 14 R/G/B/CW/WW
--	--	--	--	--	--	--	72-76	73-77	Group 15 R/G/B/CW/WW
--	--	--	--	--	--	--	77-81	78-82	Group 16 R/G/B/CW/WW
--	--	--	--	--	--	2-4	--	--	Group 1 R/G/B
--	--	--	--	--	--	5-7	--	--	Group 2 R/G/B
--	--	--	--	--	--	8-10	--	--	Group 3 R/G/B
--	--	--	--	--	--	11-13	--	--	Group 4 R/G/B
--	--	--	--	--	--	14-16	--	--	Group 5 R/G/B
--	--	--	--	--	--	17-19	--	--	Group 6 R/G/B
--	--	--	--	--	--	20-22	--	--	Group 7 R/G/B
--	--	--	--	--	--	23-25	--	--	Group 8 R/G/B
--	--	--	--	--	--	26-28	--	--	Group 9 R/G/B
--	--	--	--	--	--	29-31	--	--	Group 10 R/G/B
--	--	--	--	--	--	32-34	--	--	Group 11 R/G/B
--	--	--	--	--	--	35-37	--	--	Group 12 R/G/B
--	--	--	--	--	--	38-40	--	--	Group 13 R/G/B
--	--	--	--	--	--	41-43	--	--	Group 14 R/G/B
--	--	--	--	--	--	44-46	--	--	Group 15 R/G/B
--	--	--	--	--	--	47-49	--	--	Group 16 R/G/B
--	--	8	13	23	43	--	--	83	Strobe
--	--	9	14	24	44	--	--	84	Built-In Effects
--	--	10	15	25	45	--	--	85	Built-In Effect Speed
--	--	11	16	26	46	--	--	86	Virtual Color Wheel
--	--	12	17	27	47	--	--	87	Dimmer Mode

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Figure 1: StormChaser™ Supercell Pro Pin-Up Picture

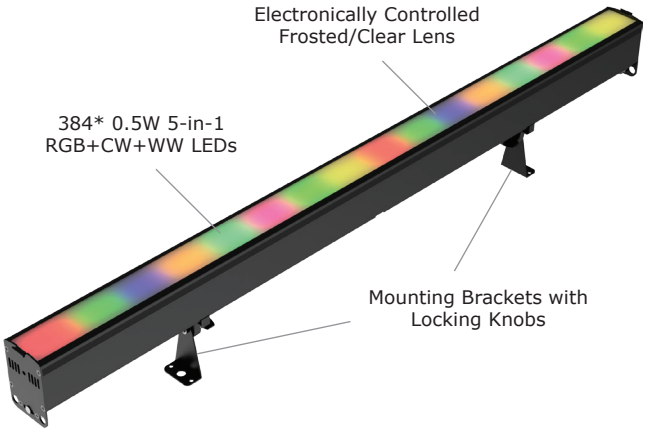
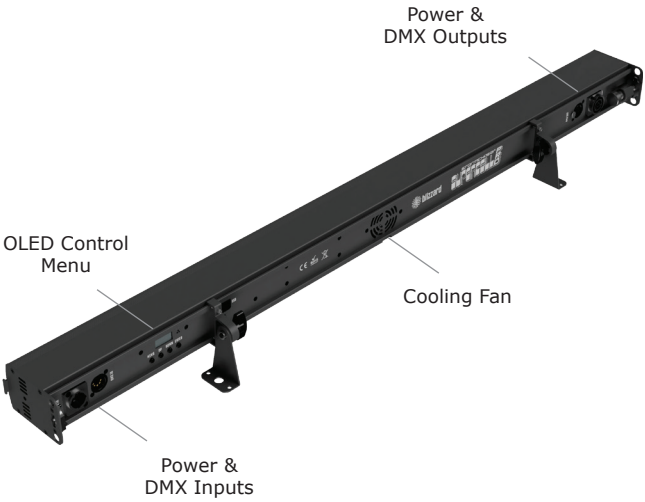


Figure 2: Rear Connections



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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 StormChaser™ Supercell Pro 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:

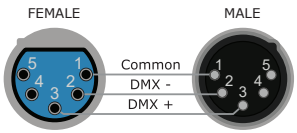
- *2-conductor twisted pair plus a shield*
- *Maximum capacitance between conductors – 30 pF/ft.*
- *Maximum capacitance between conductor & shield – 55 pF/ft.*
- *Maximum resistance of 20 ohms / 1000 ft.*
- *Nominal impedance 100 – 140 ohms*

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.

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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, 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

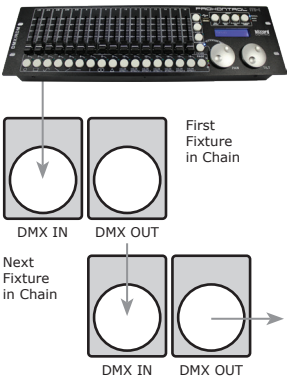
Take It To The Next Level: Setting Up DMX Control

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.



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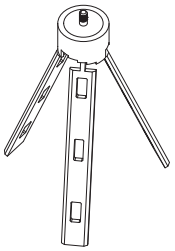
Setup Options

This fixture offers multiple mounting options to accommodate different setup needs.

1.) Tripod Stand Use

The included mini tripod screws into either end of the fixture for vertical, freestanding use. The base features four notched positions that adjust as you rotate it, allowing you to change the leg spread. This provides a stable upright setup for floor or stand alone use.

2.) Clamp Mounting



For overhead mounting, this fixture offers two adjustable clamp brackets with locking knobs. They can be repositioned along the integrated tongue and groove rail that runs the length of the fixture. To adjust:

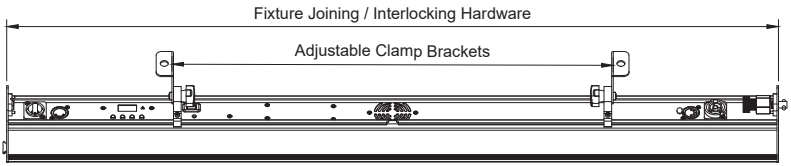
1. Loosen the two hex screws on each bracket
2. Slide the brackets to the desired location
3. Tighten the hex screws to lock them in place

3.) Joining Multiple Fixtures

You can join multiple fixtures together end to end using the built-in interlocking hardware located on either side of the fixture.

One end features a spring-loaded locking post with a T-shaped head, while the opposite end includes a keyhole-style slot to receive the post. To join two fixtures:

1. Press the spring-loaded post inward
2. Insert the T-shaped head through the keyhole slot on the adjacent fixture
3. Rotate the knurled collar a quarter turn to secure the post in place
4. Tighten the hex nut to lock the connection and prevent rotation



Mounting & Rigging

IMPORTANT: Always secure truss mounted fixtures with a safety cable.

This fixture may be mounted in any SAFE position using the clamp mounting brackets.

To mount the fixtures, use suitable "C" or "O" type clamps. The clamps should be rated to hold at least 10× the fixture's weight to ensure structural stability. Always verify that your mounting surface is strong enough to support the load, and that only properly rated rigging hardware is used.

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4. OPERATING ADJUSTMENTS

The Control Panel

All the features and different modes possible with the StormChaser™ Supercell Pro 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.

<ENTER>

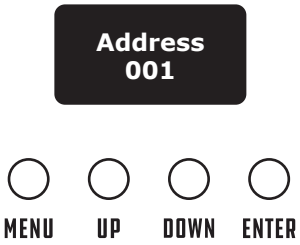
Is used to select and confirm/store the current selection.

<UP>

Scrolls through menu items and numbers in ascending order.

<DOWN>

Scrolls through menu items and numbers in descending order.



The control panel display shows the menu items you select from the menu map on page #11. 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.

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Control Panel Menu Structure

Address	001-512		To choose the DMX address		
Static	Frost		Electronic frost (0-255, 100% <-> 0%)		
	Red 1		Red 1 intensity (0% <-> 100%)		
	Green 1		Green 1 intensity (0% <-> 100%)		
	Blue 1		Blue 1 intensity (0% <-> 100%)		
	Cool 1		Cool white 1 intensity (0% <-> 100%)		
	Warm 1		Warm white 1 intensity (0% <-> 100%)		
	Red 2		Red 2 intensity (0% <-> 100%)		
	Green 2		Green 2 intensity (0% <-> 100%)		
	Blue 2		Blue 2 intensity (0% <-> 100%)		
	Cool 2		Cool white 2 intensity (0% <-> 100%)		
	Warm 2		Warm white 2 intensity (0% <-> 100%)		
	Strobe		Flash / strobe speed (0-255)		
	Presets		None, Red, Green, Blue, Cool White, Warm White, Yellow, Pink, Cyan, Orange, Violet, Golden, 2700K, 3200K, 4000K, 5500K, 6500K		
Set	Calibrate		To set global intensity levels (colors) + USE: YES/NO		
	Ch. Mode		6CH	17CH	49CH
			7CH	27CH	81CH
			12CH	47CH	87CH
	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)		
	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	Normal	Default orientation		
		180°	Rotate the display by 180°		
	Intensity	**<ENTER>**	Adjust the menu brightness intensity level 1-100		
Custom	CT01-CT10	**<ENTER>**	R/G/B/CW/WW/Frost adjustments for custom colors 01-10		
Auto	Auto 1-33	**<ENTER>**	Auto programs 1-33		
	Auto Speed	**<ENTER>**	Auto speed 0-255 (fast to slow)		
	Chase 1-3	**<ENTER>**	Custom programs 1-3		
	Sound 1-3	**<ENTER>**	Sound active modes 1-3, sensitivity 0-255 (low to high)		
Program	Chase 1-3 Custom chase programs 1-3.	Scene 1-25 25 scenes for each custom program.	Red 1 / Red 2 (0-255)	Auto (None, 01-33)	
			Green 1 / Green 2 (0-255)	Auto Speed (0-255 sec.)	
			Blue 1 / Blue 2 (0-255)	Time (duration, 0-255 sec.)	
			Cool 1 / Cool 2 (0-255)	Wait (before fade, 0-255 sec.)	
			Warm 1 / Warm 2 (0-255)	Use (use scene, No/Yes)	
			Strobe (strobe, 0-255)		
Info	Software		Software version information		
	Power		Current automated overheat protection level (100%/80%/50%)		
	Temp.		Display the internal temperatures 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		

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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.

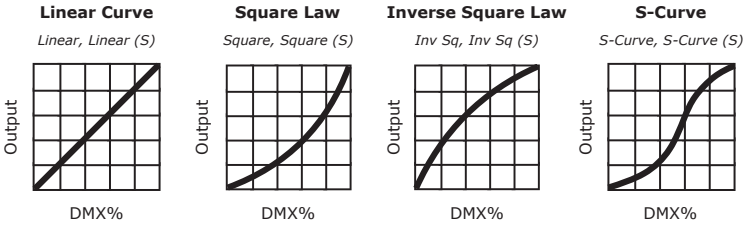
Slave Mode:

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.

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>**.

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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 the **<MENU>** and **<UP/DOWN>** buttons to navigate to **Program**, then press the **<ENTER>** button.

2.) Now use the **<UP/DOWN>** buttons to highlight your choice of either **Chase 1, Chase 2,** or **Chase 3** and press **<ENTER>**.

3.) Start with editing **Scene 1**, customizing it to your liking by using the choices outlined in the table below. You can insert any of its 5 built-in auto 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 the above process to create up to 25 scenes in each of the 3 customizable programs.

Frost (0-255)	Green 2 Intensity (0-255)	Time (0-255, scene time in seconds)
Red 1 Intensity (0-255)	Blue 2 Intensity (0-255)	Wait (0-255, fade in fast to slow)
Green 1 Intensity (0-255)	Cool 2 Intensity (0-255)	Use (No/Yes) Use scene in program?
Blue 1 Intensity (0-255)	Warm 2 Intensity (0-255)	***IMPORTANT:*** ***If USE is set to NO, or TIME is set to 0, the scene will not run!***
Cool 1 Intensity (0-255)	Strobe (0-255, slow - fast)	
Warm 1 Intensity (0-255)	Auto 1-5 (auto programs)	
Red 2 Intensity (0-255)	Auto Speed (0-255, fast - slow)	

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 your choice of **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 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 (slow <--> fast).

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Color Calibration Settings

Allows the user to setup and save 1 customized 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**, **Cool**, or **Warm**, 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 **Frost, Red**, **Green**, **Blue**, **Cool**, or **Warm** 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).

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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.

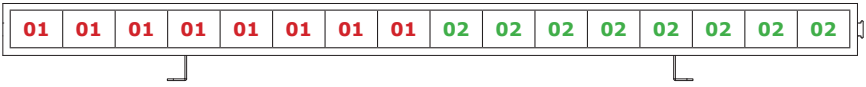
LED Pixel Group Configurations

This fixture supports 5 different pixel group configurations, ranging from simple 1-zone control to full 16-zone pixel mapping. Each configuration determines how the LEDs respond to DMX data, allowing for different levels of control and visual effects depending on the selected mode.

6/7/12CH



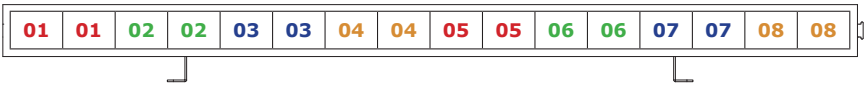
17CH



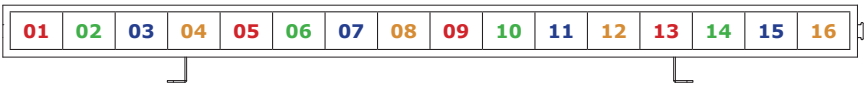
27CH



47CH



49/81/87CH



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DMX Value Reference Guide

Function	Value	What It Does		
Frost	000 <-> 255	(100% <-> 0%)		
Dimmers	000 <-> 255	(0% <-> 100%)		
Red	000 <-> 255	(0% <-> 100%)		
Green	000 <-> 255	(0% <-> 100%)		
Blue	000 <-> 255	(0% <-> 100%)		
CW	000 <-> 255	(0% <-> 100%)		
WW	000 <-> 255	(0% <-> 100%)		
Strobe	000 <-> 005 006 <-> 020 021 <-> 060 061 <-> 100 101 <-> 140 141 <-> 180 181 <-> 220 221 <-> 255	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)		
Effect	**Value**	**What It Does**	**Value**	**What It Does**
	000 001 <-> 004 005 <-> 008 009 <-> 012 013 <-> 016 017 <-> 020 021 <-> 024 025 <-> 028 029 <-> 032 033 <-> 036 037 <-> 040 041 <-> 044 045 <-> 048 049 <-> 052 053 <-> 056 057 <-> 060 061 <-> 064 065 <-> 068 069 <-> 072 073 <-> 076 077 <-> 080 081 <-> 084 085 <-> 088 089 <-> 092 093 <-> 096 097 <-> 100 101 <-> 104 105 <-> 108 109 <-> 112 113 <-> 116 117 <-> 120 121 <-> 124 125 <-> 128	No Function Custom Color 1 Custom Color 2 Custom Color 3 Custom Color 4 Custom Color 5 Custom Color 6 Custom Color 7 Custom Color 8 Custom Color 9 Custom Color 10 Chase 1 Chase 2 Chase 3 Sound 1 Sound 2 Sound 3 Red Green Blue Cool White Warm White Yellow Pink Cyan Orange Violet Golden 2700K 3200K 4000K 5500K 6500K	129 <-> 132 133 <-> 136 137 <-> 140 141 <-> 144 145 <-> 148 149 <-> 152 153 <-> 156 157 <-> 160 161 <-> 164 165 <-> 168 169 <-> 172 173 <-> 176 177 <-> 180 181 <-> 184 185 <-> 188 189 <-> 192 193 <-> 196 197 <-> 200 201 <-> 204 205 <-> 208 209 <-> 212 213 <-> 216 217 <-> 220 221 <-> 224 225 <-> 228 229 <-> 232 233 <-> 236 237 <-> 240 241 <-> 243 244 <-> 246 247 <-> 249 250 <-> 252 253 <-> 255	Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Auto 6 Auto 7 Auto 8 Auto 9 Auto 10 Auto 11 Auto 12 Auto 13 Auto 14 Auto 15 Auto 16 Auto 17 Auto 18 Auto 19 Auto 20 Auto 21 Auto 22 Auto 23 Auto 24 Auto 25 Auto 26 Auto 27 Auto 28 Auto 29 Auto 30 Auto 31 Auto 32 Auto 33

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DMX Value Reference Guide (continued)

Function	Value	What It Does
Auto Speed	000 <-> 255	(fast <-> slow)
Virtual Color Wheel	000 <-> 010 011 012 <-> 050 051 052 <-> 090 091 092 <-> 130 131 132 <-> 170 171 172 <-> 210 211 212 <-> 250 251 <-> 255	No Function Blue Blue (+ green) Teal Teal (- blue) Green Green (+ red) Yellow Yellow (- green) Red Red (+ blue) Magenta Magenta (- red) Blue
Dimming Mode	000 <-> 010 011 <-> 020 021 <-> 030 031 <-> 040 041 <-> 050 051 <-> 060 061 <-> 070 071 <-> 080 081 <-> 090 091 <-> 255	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)

DMX In-Depth: 6-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	3	Green	5	Cool White
2	Red	4	Blue	6	Warm White

DMX In-Depth: 7-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	3	Red	5	Blue	7	Warm White
2	Dimmer	4	Green	6	Cool White	--	---

DMX In-Depth: 12-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	4	Green	7	Warm White	10	Auto Speed
2	Dimmer	5	Blue	8	Strobe	11	Virtual Color Wheel
3	Red	6	Cool White	9	Effect	12	Dimmer Mode

DMX In-Depth: 17-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	5	Blue 1	9	Green 2	13	Strobe	17	Dimmer Mode
2	Dimmer	6	Cool White 1	10	Blue 2	14	Effect	--	--
3	Red 1	7	Warm White 1	11	Cool White 2	15	Auto Speed	--	--
4	Green 1	8	Red 2	12	Warm White 2	16	Virtual Color Wheel	--	--

DMX In-Depth: 27-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	7	Warm White 1	13	Red 3	19	Green 4	25	Auto Speed
2	Dimmer	8	Red 2	14	Green 3	20	Blue 4	26	Virtual Color Wheel
3	Red 1	9	Green 2	15	Blue 3	21	Cool White 4	27	Dimmer Mode
4	Green 1	10	Blue 2	16	Cool White 3	22	Warm White 4	--	--
5	Blue 1	11	Cool White 2	17	Warm White 3	23	Strobe	--	--
6	Cool White 1	12	Warm White 2	18	Red 4	24	Effect	--	--

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DMX In-Depth: 47-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	11	Cool White 2	21	Cool White 4	31	Cool White 6	41	Cool White 8
2	Dimmer	12	Warm White 2	22	Warm White 4	32	Warm White 6	42	Warm White 8
3	Red 1	13	Red 3	23	Red 5	33	Red 7	43	Strobe
4	Green 1	14	Green 3	24	Green 5	34	Green 7	44	Effect
5	Blue 1	15	Blue 3	25	Blue 5	35	Blue 7	45	Auto Speed
6	Cool White 1	16	Cool White 3	26	Cool White 5	36	Cool White 7	46	Virtual Color Wheel
7	Warm White 1	17	Warm White 3	27	Warm White 5	37	Warm White 7	47	Dimmer Mode
8	Red 2	18	Red 4	28	Red 6	38	Red 8	--	--
9	Green 2	19	Green 4	29	Green 6	39	Green 8	--	--
10	Blue 2	20	Blue 4	30	Blue 6	40	Blue 8	--	--

DMX In-Depth: 49-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	11	Red 4	21	Green 7	31	Blue 10	41	Red 14
2	Red 1	12	Green 4	22	Blue 7	32	Red 11	42	Green 14
3	Green 1	13	Blue 4	23	Red 8	33	Green 11	43	Blue 14
4	Blue 1	14	Red 5	24	Green 8	34	Blue 11	44	Red 15
5	Red 2	15	Green 5	25	Blue 8	35	Red 12	45	Green 15
6	Green 2	16	Blue 5	26	Red 9	36	Green 12	46	Blue 15
7	Blue 2	17	Red 6	27	Green 9	37	Blue 12	47	Red 16
8	Red 3	18	Green 6	28	Blue 9	38	Red 13	48	Green 16
9	Green 3	19	Blue 6	29	Red 10	39	Green 13	49	Blue 16
10	Blue 3	20	Red 7	30	Green 10	40	Blue 13	--	--

DMX In-Depth: 81-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	18	Green 4	35	Cool White 7	52	Red 11	69	Blue 14
2	Red 1	19	Blue 4	36	Warm White 7	53	Green 11	70	Cool White 14
3	Green 1	20	Cool White 4	37	Red 8	54	Blue 11	71	Warm White 14
4	Blue 1	21	Warm White 4	38	Green 8	55	Cool White 11	72	Red 15
5	Cool White 1	22	Red 5	39	Blue 8	56	Warm White 11	73	Green 15
6	Warm White 1	23	Green 5	40	Cool White 8	57	Red 12	74	Blue 15
7	Red 2	24	Blue 5	41	Warm White 8	58	Green 12	75	Cool White 15
8	Green 2	25	Cool White 5	42	Red 9	59	Blue 12	76	Warm White 15
9	Blue 2	26	Warm White 5	43	Green 9	60	Cool White 12	77	Red 16
10	Cool White 2	27	Red 6	44	Blue 9	61	Warm White 12	78	Green 16
11	Warm White 2	28	Green 6	45	Cool White 9	62	Red 13	79	Blue 16
12	Red 3	29	Blue 6	46	Warm White 9	63	Green 13	80	Cool White 16
13	Green 3	30	Cool White 6	47	Red 10	64	Blue 13	81	Warm White 16
14	Blue 3	31	Warm White 6	48	Green 10	65	Cool White 13	--	--
15	Cool White 3	32	Red 7	49	Blue 10	66	Warm White 13	--	--
16	Warm White 3	33	Green 7	50	Cool White 10	67	Red 14	--	--
17	Red 4	34	Blue 7	51	Warm White 10	68	Green 14	--	--

DMX In-Depth: 87-Channel Mode

Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name	Ch.	Name
1	Frost	19	Green 4	37	Warm White 7	55	Blue 11	73	Red 15
2	Dimmer	20	Blue 4	38	Red 8	56	Cool White 11	74	Green 15
3	Red 1	21	Cool White 4	39	Green 8	57	Warm White 11	75	Blue 15
4	Green 1	22	Warm White 4	40	Blue 8	58	Red 12	76	Cool White 15
5	Blue 1	23	Red 5	41	Cool White 8	59	Green 12	77	Warm White 15
6	Cool White 1	24	Green 5	42	Warm White 8	60	Blue 12	78	Red 16
7	Warm White 1	25	Blue 5	43	Red 9	61	Cool White 12	79	Green 16
8	Red 2	26	Cool White 5	44	Green 9	62	Warm White 12	80	Blue 16
9	Green 2	27	Warm White 5	45	Blue 9	63	Red 13	81	Cool White 16
10	Blue 2	28	Red 6	46	Cool White 9	64	Green 13	82	Warm White 16
11	Cool White 2	29	Green 6	47	Warm White 9	65	Blue 13	83	Strobe
12	Warm White 2	30	Blue 6	48	Red 10	66	Cool White 13	84	Effect
13	Red 3	31	Cool White 6	49	Green 10	67	Warm White 13	85	Auto Speed
14	Green 3	32	Warm White 6	50	Blue 10	68	Red 14	86	Virtual Color Wheel
15	Blue 3	33	Red 7	51	Cool White 10	69	Green 14	87	Dimmer Mode
16	Cool White 3	34	Green 7	52	Warm White 10	70	Blue 14	--	--
17	Warm White 3	35	Blue 7	53	Red 11	70	Cool White 14	--	--
18	Red 4	36	Cool White 7	54	Green 11	72	Warm White 14	--	--

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5. APPENDIX

Keeping Your StormChaser™ Supercell Pro As Good As New

This is a rugged pro lighting fixture. Clean optics with suitable glass cleaner and keep vents dust-free for optimal performance and cooling.

Returns (Gasp!)

If your fixture isn't working properly, visit blizzardpro.com/support to request an RA. Ship the unit via a trackable, prepaid method (USPS Priority or UPS). Include:

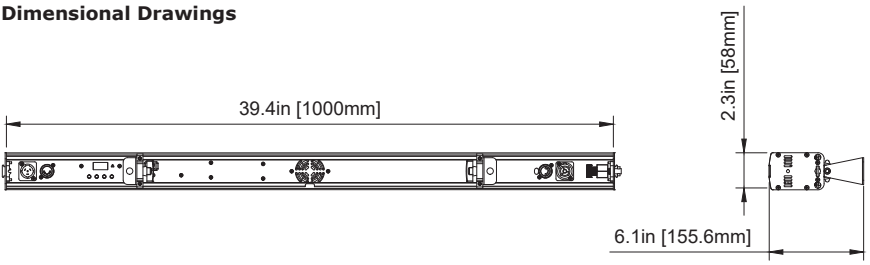
1.) Your contact information (Name, Address, Phone Number, Email address).
2.) The RA# issued to you
3.) A brief description of the problem/symptoms.

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, and must be reported to the carrier immediately. Claims must be made within seven (7) days of receipt.

Tech Specs!

Weight & Dimensions	
Dimensions	39.4 x 2.3 x 6.1 inches (1000 x 58 x 155.6 mm)
Weight	5.15 lbs (2.34 kg)
Power	
Operating Voltage	AC 110V-240V/50-60Hz
Power Consumption	83W, 1.06A, PF: .65
Light Source	
LED	384* 0.5W 5-in-1 SMD 5050 LEDs (RGB+CW+WW)
Luminance	8,845 nits (clear), 7,227 nits (frost)
Beam Angle	104° beam, 110° with frost
Thermal	
Max. Operating Temp.	104 degrees F (40 degrees C) ambient
Control	
Protocol	USITT DMX-512, RDM
DMX Channels	6/7/12/17/27/47/49/81/87-channel DMX modes
Input/Output	5-pin XLR Male/Female
Operating Modes	DMX512, M/S, standalone, auto, sound active
Warranty	2-year limited warranty

Dimensional Drawings



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