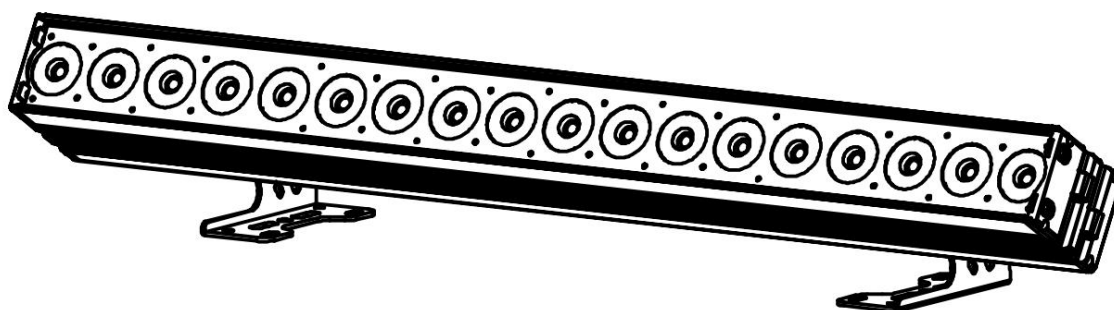


# Starburst Versa

*18x30w RGBWA+UV (6IN1)*



*User Manual*

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# 1. Introduction and Setup

## Unpacking and In the Box

Thank you for choosing our Rayon. For your own safety, please read this manual before installing or using the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual for future needs.

In the box you will find:

- Starburst Versa Fixture: 1
- PowerCon Cable: 1
- DMX Signal Cable 1
- Omega Brackets
- Quick Release Pins 2

Optional Accessories

- Base Plate
- Vertical Adapter

## Mounting and Operation

**Use a clamp rated for the full weight of the Starburst Versa to hang the fixture from the mount(s) on the fixture's yoke.**

As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly or on the yoke.

Vertical Installation:

1. Floor Standing: Using the base Plate, align the grooves from the fixture with the grooves from the base plate. Then slide a pin on each side. Give a quick tug to make sure the pins locked in properly. Repeat the same steps to mount one Starburst Versa on top of another Starburst Versa.
2. Vertical Hanging: Using the Vertical Adapter, align its grooves with the grooves of the Starburst Versa. Then insert a quick release pin on each side and attach a clamp to the top of the vertical adapter.

Horizontal Installation:

3. Horizontal Floor Installation: Using the Tilt Brackets, align and tilt the fixture to the position desired and then tighten the knobs on each side. If you're looking to attach 2

fixtures together horizontally, align the grooves and connect the quick release pins on each side for a seamless design.

4. Horizontal Hanging Installation: Using the Omega Brackets, each fixture should get 2 Omega brackets locked into the backside of the fixture. Then attach a clamp on each one and you're now ready to horizontally hang the fixture.

## **Safety Precautions**

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

**Caution:** For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

**DO NOT** connect the device to any dimmer pack.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.

Don't try to modify the fixture without any instruction by the manufacturer.

Warranty is voided if there are any malfunctions from not following the user manual while operating or any hazardous operation, like shock short circuit, electronic shock, lamp broken, etc.

# Customer Support

## WARRANTY POLICY

GAMMA LED Vision warrants its products for the periods set below from the date of purchase to be free of manufacturer and workmanship defects. Warranty does not cover normal wear and tear caused by force, negligence or misuse of products. GAMMA LED Vision is not responsible for any damages or injury caused by misuse or improper handling of the products and in accordance with instructions and specifications of manual.

Warranty terms are as follows:

### **LED Fixtures:**

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Lamp Fixtures: 1 year / excludes the lamp

### **LED Video Products:**

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Controllers: 2 years

Batteries: 6 months

All Trussing Related Products and Accessories: 1 Year

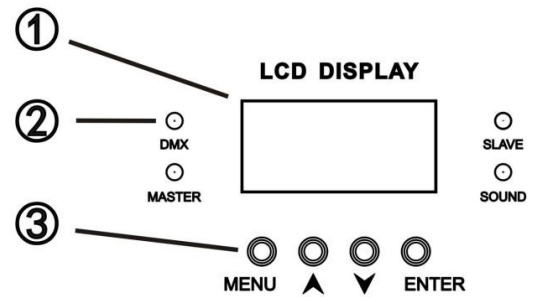
Please visit [WWW.GAMMALEDVISION.COM](http://WWW.GAMMALEDVISION.COM) for complete Limited Warranty terms and contact information.

## 2. Setup and Operation

### Using the LCD Menu and Buttons

Turn on the light, press the **MENU** button to enter the menu mode, use the **UP** and **DOWN** buttons to find the menu,

When the preset menu is displayed on the display screen, press the **ENTER** button to confirm, use the **UP** and **DOWN** buttons to select the sub menu, press the **ENTER** button to save the settings or automatically return to the previous menu.



## Menu Operation

TAB	LEVEL1	LEVEL2	LEVEL3	LEVEL4
Addr(Address)	001-512	001		
Chmd(Channel mode)	29CH/11CH/119CH/108CH	11CH		
Stat(Static control)	R	0-255	000	
	G	0-255	000	
	B	0-255	000	
	W	0-255	000	
	Y	0-255	000	
	P	0-255	000	
Set(Set)	CAL(Calibration)	R	20--255	255
		G	20--255	255
		B	20--255	255
		W	20--255	255
		Y	20--255	255
		P(UV)	20--255	255
	Reverse	YES/NO		
	DMX HOLD	ON/OFF DMX		OFF
LOCK(Key 2 minutes lock)	YES/NO	no		
Auto(Auto)	Mode	Sound 1		AUTO 3
		Sound 2		
		Auto0 3		
		.....		
		Auto 11		
Speed	0--100		50	
Info (Information )	SOFT(Software version)			
	TEMP			
Load(Load)	SET L (Setting load)	YES/NO		
Send(Send)	YES/NO	COPY the Default setting to slave lights		NO
MENU	DMX Address	Address	1-512	
	Channel Mode	CH Mode	4CH	
			5CH	
			6CH	
			9CH	
	Slave Mode	Slave Mode	Master	
			Slave	
	Show Mode	Show MD	Show 0	
			Show 1-8	
	Color Mode	Manual	R (0-255)	

		G (0-255)	
		B (0-255)	
		W (0-255)	
		Color: 1-32	
	Sound Sens	Sense 0-100	
	Dimmer Curve	Curve	Linear
			Sine 1
			Sine 2
			Off
	Auto Test		
	Temp		
	Fixture Time		
	Firmware		



### **DMX Address**

Select the **DMX address**, press **ENTER** to confirm, and the current **DMX address** will be displayed on the display. Use **UP / DOWN** button to select **001-512** address, and press **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute for the menu mode to exit automatically.

### **Channel Mode**

Select the **Channel Mode**, press **ENTER** to confirm, and the current **Channel Mode** will be displayed on the display. Use **UP / DOWN** button to select **11CH/29CH/108CH/119CH**, and press **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute for the menu mode to exit automatically.

### **Slave Mode**

Select the **Slave Mode**, press **ENTER** to confirm, and the current **Slave Mode** will be displayed on the display. Use **UP / DOWN** button to select **Master/Slaver**, and press **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute for the menu mode to exit automatically.

### **Auto Mode**

Select the **Auto Mode**, press **ENTER** to confirm, and the current **Auto Mode** will be displayed on the display. Use **UP / DOWN** button to select **Show 0 (Voice control mode) /Show 1~11**, and press **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute for the menu mode to exit automatically.

### **Sound Sense**

Select the **Sound Sense**, press **ENTER** to confirm, and the current **Sound Sense** will be displayed on the display. Use **UP / DOWN** button to select **0-100**, and press **ENTER** button

to save. Press the **MENU** button to return to the previous menu or wait one minute for the menu mode to exit .

## DMX Setup

### DMX Basics

DMX512 stands for digital multiplex 512. This means that 512 channels are controlled digitally through 1 data cable.

A channel is a set of 255 steps that are assigned to control attributes in each light. This may be a color like red, green or blue, and intensity, strobe, pan/tilt or other attributes.

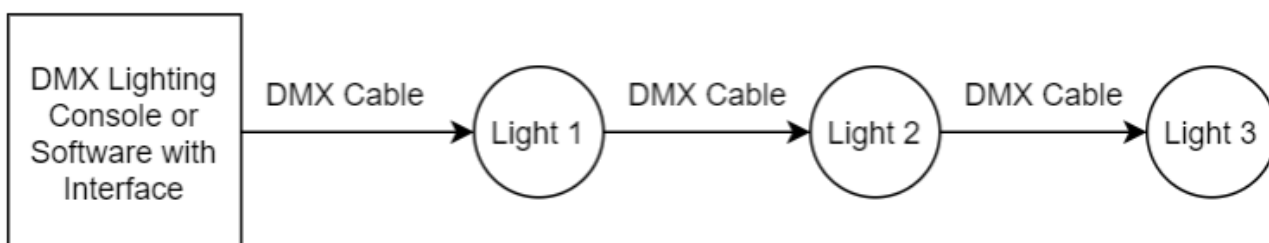
Multiple sets of 512 "universes" may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

### DMX Wiring

DMX works by connecting 1 or multiple lights to the output of a DMX lighting console or software with a DMX interface.

DMX lights connect in what is called a "daisy-chain". Your first DMX cable will plug its male DMX connector into the female DMX connector on your lighting console. The remaining female connector will then connect to the DMX input on your first light.

You may then connect your next fixture to the output of your first light, and continue the chain.

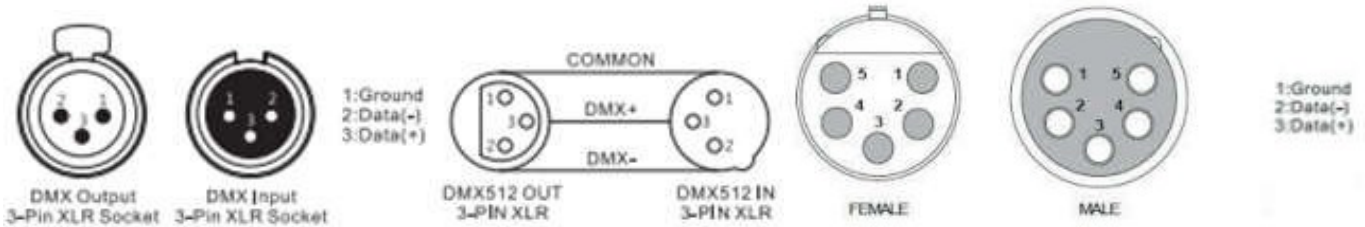


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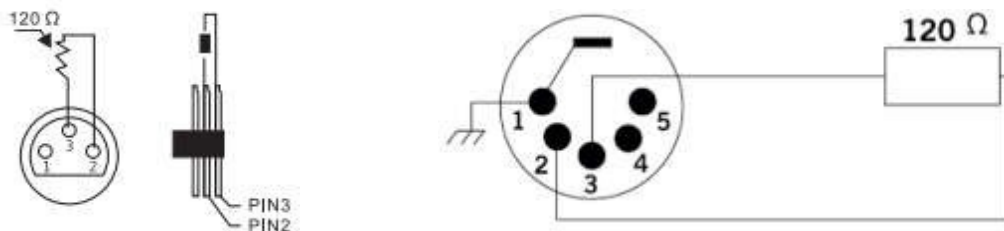
**Fixture Rule** – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

DMX Cables can be 3-pin or 5-pin. These use the same type of data, and in the 5-pin only pins 1, 2, and 3 are used. The cable should be a 2 conductor, shielded cable of at least 110 ohms resistance. Microphone cable is not DMX cable.

Please refer to the diagram below:



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise and reflections. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below:



## DMX Modes and Configuration

The Starburst Versa has multiple DMX modes, sometimes called "personalities", "profiles", or as we will use here "modes".

In general, modes with more DMX channels offer a greater level of control or options but take up more of your output channels on your lighting console or software.

Modes with less DMX channels often offer less control, but may be plenty for your needs.

*Depending on your needs and control solution, you may not need channels for automated programs, strobes, or macros – your console may have great effects! In this case, you can use a lesser channel mode and fit more lights per DMX universe.*

View the DMX mode charts below to find the mode that best suits your needs.

### **DMX Channel Mode Sheet:**

**On the left side of the sheet you will see the different modes and which channel corresponds to each function listed on the right in the given mode.**

#### **11 Channel Mode:**

Channels	Function	Description
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast
CH3	Macro1	0--14: Empty 15--34: Color flow(Jump)(CH1--5 enable) 35--54: Color flow(Fade)(CH1--5 enable) 55--74: Color choose (CH1 enable) 75--94: Color Jump(CH1 enable) 95--114: Color fade,Color pulse(CH1 enable) 115--134:Effects 1 (CH1 enable) 135--154:Effects2 (CH1 enable) 155--174:Effects3 (CH1 enable) 175--194:Effects4 (CH1 enable) 195--214:Effects5 (CH1 enable) 215--234:Effects6 (CH1 enable) 235--255:Sound active (CH1 enable)
CH4	Macro2	0--15: Empty 16--45: Effects1 (CH1 ,CH6~CH11 enable) 56--60: Effects2 (CH1 ,CH6~CH11 enable) 96--45: Effects3 (CH1 ,CH6~CH11 enable) 136--60: Effects4 (CH1 ,CH6~CH11 enable) 176--45: Effects5 (CH1 ,CH6~CH11 enable) 240--255:Effects6 (CH1 ,CH6~CH11 enable)
	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed , slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright

CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright
CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright

## 29 Channel Mode:

Channels	Function	Description
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast
CH3	Macro1	0--14: Empty 15--34: Color flow(Jump)(CH1--5 enable) 35--54: Color flow(Fade)(CH1--5 enable) 55--74: Color choose(CH1 enable) 75--94: Color Jump(CH1 enable) 95--114: Color fade,Color pulse(CH1 enable) 115--134: Effects 1(CH1 enable) 135--154: Effects2(CH1 enable) 155--174: Effects3(CH1 enable) 175--194: Effects4(CH1 enable) 195--214: Effects5(CH1 enable) 215--234: Effects6(CH1 enable) 235--255: Sound active(CH1 enable)
CH4	Macro2	0--15: Empty 16--45: Effects1(CH1,CH6~CH11 enable) 56--60: Effects2(CH1,CH6~CH11 enable) 96--45: Effects3(CH1,CH6~CH11 enable) 136--60: Effects4(CH1,CH6~CH11 enable) 176--45: Effects5(CH1,CH6~CH11 enable) 240--255: Effects6(CH1,CH6~CH11 enable)
	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed, slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright(priority)
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright(priority)
CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright(priority)
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright(priority)
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright(priority)
CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright(priority)
CH12	LED1 dimmer	RGBWYUV dimming
CH13	LED2 dimmer	RGBWYUV dimming
CH14	LED3 dimmer	RGBWYUV dimming

CH15	LED4 dimmer	RGBWYUV dimming
.....	.....	.....
CH29	LED18 dimmer	RGBWYUV dimming

### 108 Channel Mode:

Channels	Function	Description
CH1	R1 dimmer	R1 dimming,0~100% linear dimming,dark ->bright
CH2	G1 dimmer	G1 dimming,0~100% linear dimming,dark ->bright
CH3	B1 dimmer	B1 dimming,0~100% linear dimming,dark ->bright
CH4	W1 dimmer	W1 dimming,0~100% linear dimming,dark ->bright
CH5	A1 dimmer	A1 dimming,0~100% linear dimming,dark ->bright
CH6	UV1 dimmer	UV1 dimming,0~100% linear dimming,dark ->bright
CH7	R2 dimmer	R2 dimming,0~100% linear dimming,dark ->bright
CH8	G2 dimmer	G2 dimming,0~100% linear dimming,dark ->bright
CH9	B2 dimmer	B2 dimming,0~100% linear dimming,dark ->bright
.....	.....	.....
CH108	UV18 dimmer	UV18 dimming,0~100% linear dimming,dark ->bright

### 119 Channel Mode:

Channels	Function	Description
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast
CH3	Macro1	0--14: Empty 15--34: Color flow(Jump)(CH1--5 enable) 35--54: Color flow(Fade)(CH1--5 enable) 55--74: Color choose(CH1 enable) 75--94: Color Jump(CH1 enable) 95--114: Color fade,Color pulse(CH1 enable) 115--134: Effects 1(CH1 enable) 135--154: Effects2(CH1 enable) 155--174: Effects3(CH1 enable) 175--194: Effects4(CH1 enable) 195--214: Effects5(CH1 enable) 215--234: Effects6(CH1 enable) 235--255: Sound active(CH1 enable)
CH4	Macro2	0--15: Empty 16--45: Effects1(CH1 ,CH6~CH11 enable) 56--60: Effects2(CH1 ,CH6~CH11 enable) 96--45: Effects3(CH1 ,CH6~CH11 enable) 136--60: Effects4(CH1 ,CH6~CH11 enable) 176--45: Effects5(CH1 ,CH6~CH11 enable) 240--255: Effects6(CH1 ,CH6~CH11 enable)
	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed , slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright(priority)
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright(priority)

CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright(priority)
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright(priority)
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright(priority)
CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright(priority)
CH1	R1 dimmer	R1 dimming,0~100% linear dimming,dark ->bright
CH2	G1 dimmer	G1 dimming,0~100% linear dimming,dark ->bright
CH3	B1 dimmer	B1 dimming,0~100% linear dimming,dark ->bright
CH4	W1 dimmer	W1 dimming,0~100% linear dimming,dark ->bright
CH5	Y1 dimmer	Y1 dimming,0~100% linear dimming,dark ->bright
CH6	UV1 dimmer	UV1 dimming,0~100% linear dimming,dark ->bright
CH7	R2 dimmer	R2 dimming,0~100% linear dimming,dark ->bright
CH8	G2 dimmer	G2 dimming,0~100% linear dimming,dark ->bright
CH9	B2 dimmer	B2 dimming,0~100% linear dimming,dark ->bright
.....	.....	.....
CH119	UV18 dimmer	UV18 dimming,0~100% linear dimming,dark ->bright

## Standalone Mode and Configuration

By linking the units with DMX cable in a Master/Slave connection, the first unit will control the other units to give an automatic, sound-activated, synchronized light show when the Penn is placed into Standalone mode by the on-board menu and keys..

### **3. Maintenance**

#### **Routine Maintenance**

The cleaning of lens must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smokey, or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with a damp, soft cloth..
- Always dry the parts carefully.
- Clean the external optics at least every 20 days in demanding environments.

#### **Troubleshooting Problems**

The following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

##### **A. The unit does not work:**

- Check that the unit is plugged in to a working power connector.
- Press the menu button to confirm that the unit is powered on. If the screen does not light up, the unit has no power.

##### **B. Not Responding to the DMX Controller**

- Check DMX cables to verify that they are plugged in and functional.
- Check the DMX address and mode – does it match the address and mode patched in the lighting console or software?
- Plug the light directly into the DMX controller with a cable that you know is good. Unplug all other lights – does it work?
- Try to use another DMX controller.



## 4. Technical Specifications

Voltage: AC100~240V, 50/60HZ

- ⊣ Light source: (18) 30 watt - RGBWAUV (6in1) LED's
- ⊣ DMX Channel: 11/29/108/119CH
- ⊣ Dimmer: High resolution dimmer 0~100%
- ⊣ Lenses: 45mm 10/12/25/40degree optional
- ⊣ Pixel Pitch: 52MM
- ⊣ Filter: Quick release diffusion filter
- ⊣ RDM: Supported
- ⊣ Working temperature: -30°C~50°C
- ⊣ Control mode: DMX512, Auto Run, Master/Slave, Sound active
- ⊣ Pattern effects with variable speed and fade time
- ⊣ Strobe effect: Variable speed (1-20HZ)
- ⊣ Horizontal hanging with Omega brackets
- ⊣ Horizontal installation on the floor with tilt bracket fast locks
  
- ⊣ Vertical installation on the floor with a base plate
- ⊣ Hanging vertically "dropped" with a vertical adapter
  
- ⊣ Split Joint: structural connection with 2 pieces quick release pins
  
- ⊣ House: Aluminum
- ⊣ Data : XLR IN/OUT Power IN / OUT
- ⊣ IPGrade: IP20
  
- ⊣ Weight: 20 lbs/ 9.0 kg
  
- ⊣ Dimensions: 4.5 x 36.5 x 3.2" in

