

Mist Versa IP

IP65, Pixel-mapped LED wash and effect light with multiple mounting options.



User Manual

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1. Introduction and Setup

Unpacking and In the Box

Thank you for choosing our Mist Versa IP. 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:

- Mist Versa IP Fixture 1
- Removeable Glare Shield 1
- PowerCon Cable 1
- DMX Signal Cable 1
- Floor/Hanging Brackets (Horizontal) 2
- Hanging Bracket (Vertical) 1
- Floor Base 1

Mounting and Operation

Vertical Mounting: The Mist Versa IP provides a unique omega-bracket assembly that integrates the bottom of the base for floor-base vertical mounting, and a bracket for vertical hanging which pins into a clamp:



Multiple Mist Versa IP units may also be pinned together for vertical stacks of light! Up to (4) units may be stacked together using the included pin system, on the floor base or hung.

When using the floor base, always orient the base on a flat surface and add ballast weight when necessary.

Horizontal Mounting: The Mist Versa IP can also be floor-standing or hung via it's horizontal hanging/foot brackets.

When mounting this fixture in the air, be sure to secure an appropriately rated clamp. Clamps may be attached to the tilting foot brackets or the rigid omega brackets.

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.

Features

- Bright, 16 x 20w RGBW Color Mixing
- DMX control with RDM
- Full Pixel control of each LED at a 52mm pixel pitch
- 20° Lens
- Vertical Installation via base plate or clamp bracket
- Horizontal installation via feet or clamps, or horizontal hanging via Omega brackets.

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 were 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 items 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 for complete Limited Warranty terms and contact information.

2. Setup and Operation

Using the LCD Menu and Buttons

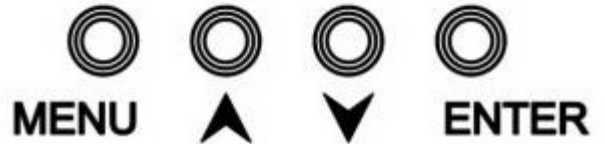
Turn on the light, press the **MENU** button to enter the menu mode, use the **UP** and **DOWN** buttons to find the menu,

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.

Press the **MENU** button to return, or wait for one minute and then exit the menu mode automatically.

When there is no power connection, press the **UP** button for 1 minute to enter the menu mode. After setting, press **MENU** button or wait for 1 minute to exit the power-off setting function automatically.

LCD DISPLAY



Menu Operation

Main Menu	Sub Menu	Value	Function
DMX Mode	Address	000-512	Set the DMX Address
	Channel	2CH, 4CH, 9CH, 13CH, 25CH, 32CH, 64CH, 72CH	Set the Channel Mode
	DMX State	Auto, DMX Hold, Blackout	Set the DMX behavior when DMX is lost.
Slave Mode		Master, Slave	Set master/slave mode.
Auto		Auto	Select the auto program
		Speed	Set the speed.
Manual Mode	Red	000-255	Set the Red Intensity
	Green	000-255	Set the Green Intensity
	Blue	000-255	Set the Blue Intensity
	White	000-255	Set the White Intensity
	Color Macro	Color 1 – Color 51	Choose Between Color Macros – this mode blocks out color values above.
	CTO	2700k-8000k	Choose Between fixed white values – this mode blocks out color values above.
	Strobe	000-255	Set Strobe Rate
Setup	Refresh Rate	600Hz, 1200Hz, 2400Hz, 4800Hz, 9600Hz, 12000Hz, 18000Hz	Set the LED PWM Rate
	Dimmer Curve	Linear, Square Law, Inv. Square, S-Curve	Set the Dimmer Curve
	Dimmer Speed	Speed 1 – Speed 4	Set the Dimmer Speed

	Dimmer All	000-255	Set a master dimmer on all LED's.
	Pixel Ori.	Off, On	Use this to flip the pixel orientation on fixtures hung opposite of desired.
	White Balance	Red, Green, Blue, White	Set the maximum value of each color LED to create a custom white balance. Use with caution, this will cause fixtures to not match when used improperly.
	Key Lock	Off, On	Turn on Key Lock. If turned on, the password is down, up, down, up, enter.
	Display Or.	Normal, Inverted	Invert the LCD
	Display	Off, 30s	Set Display Sleep
	Max Temp	(Temperature)	Set Max LED Temperature.
	Factory Reset	No, Yes	Factory Reset All Settings
Information			View various information about the fixture.
Test All		Full Power, Color	Test Mode of all LED's and individual colors.

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.

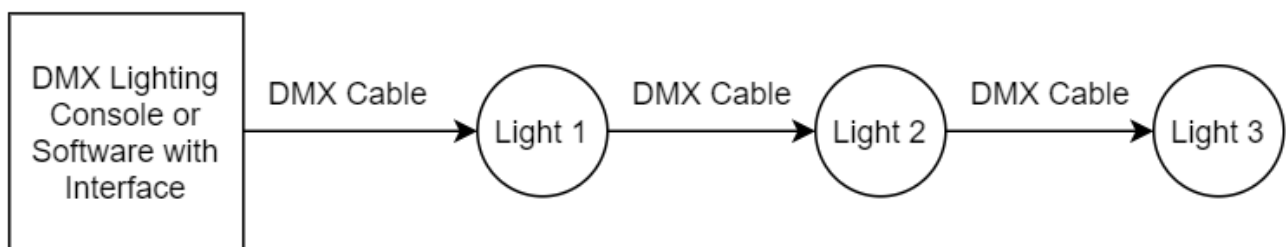
Multiple sets of 512 “universes” may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

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.

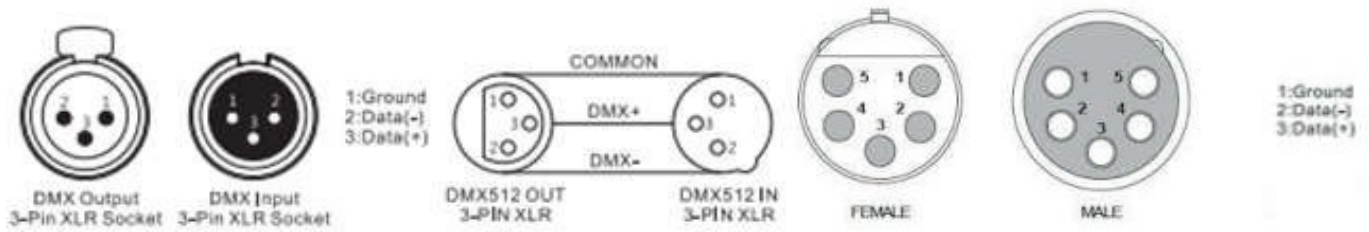
You may then connect your next fixture to the output of your first light, and continue the chain.



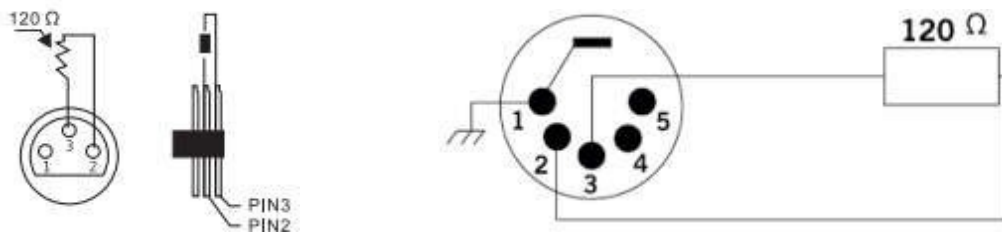
32 Fixture Rule – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

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 Mist Versa IP 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.

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
1			8	8			69	Color Macro	0-4	N/A
									5- 255	Color Macros
2								CTC Macro	0-20	N/A
									21- 255	CTC 2700k-8000k
		1	1	1			1	Intensity	0- 255	Master Dimmer
		2	2	2			2	Intensity Fine	0- 255	Fine Control of Master Dimmer
	1	3	3	3				Red	0- 255	Red Intensity
	2	4	4	4				Green	0- 255	Green Intensity
	3	5	5	5				Blue	0-	Blue Intensity

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
									255	
	4	6	6	6				White	0-255	White Intensity
		7	7	7				Strobe	0-9	Open
									10-81	Strobe, Slow to Fast
									82-91	Open
									92-163	Pulse Strobe, Slow to Fast
									164-173	No Function
									174-245	Random Strobe
									264-255	Open
		8	9	9			68	Dimmer Speed	000-255	Dimmer Speed, Fast to Slow
		9	10				3	N/A		Reserved for Future Improvement – No Function
			11				70	Movemen t Macros	000-005	No Function
									006-255	Movement Macros
			12				71	Movemen t Macro Speed	000-255	Movement Macro Speed, Slow to Fast
							72	Movemen t Macro	000-255	Movement Macro Fade Percentage

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
								Fade		
			13					Dimmer Curve	000- 255	Dimmer Curve Selection
				10				Intensity – Cell 1	000- 255	Dimmer Intensity, Cell 1
				11				Intensity – Cell 2	000- 255	Dimmer Intensity, Cell 2
				12				Intensity – Cell 3	000- 255	Dimmer Intensity, Cell 3
				13				Intensity – Cell 4	000- 255	Dimmer Intensity, Cell 4
				14				Intensity – Cell 5	000- 255	Dimmer Intensity, Cell 5
				15				Intensity – Cell 6	000- 255	Dimmer Intensity, Cell 6
				16				Intensity – Cell 7	000- 255	Dimmer Intensity, Cell 7
				17				Intensity – Cell 8	000- 255	Dimmer Intensity, Cell 8
				18				Intensity – Cell 9	000- 255	Dimmer Intensity, Cell 9
				19				Intensity – Cell 10	000- 255	Dimmer Intensity, Cell 10
				20				Intensity – Cell 11	000- 255	Dimmer Intensity, Cell 11
				21				Intensity – Cell 12	000- 255	Dimmer Intensity, Cell 12
				22				Intensity – Cell 13	000- 255	Dimmer Intensity, Cell 13
				23				Intensity –	000-	Dimmer Intensity, Cell

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
								Cell 14	255	14
				24				Intensity – Cell 15	000- 255	Dimmer Intensity, Cell 15
				25				Intensity – Cell 16	000- 255	Dimmer Intensity, Cell 16
					1, 5, 9, 13, 17, 21, 25, 29			Red Intensity, Dual Cell	000- 255	Red Intensity on each cell, grouped by 2 cells.
					2, 6, 10, 14, 18, 22, 26, 30			Green Intensity, Dual Cell	000- 255	Green Intensity on each cell, grouped by 2 cells.
					3, 7, 11, 15, 19, 23, 27, 31			Blue Intensity, Dual Cell	000- 255	Blue Intensity on each cell, grouped by 2 cells.
					4, 8, 12, 16, 20, 24, 28, 32			White Intensity, Dual Cell	000- 255	White Intensity on each cell, grouped by 2 cells.
						1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53,	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64,	Red Intensity, Single Cell	000- 255	Red Intensity, each cell

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
						57, 61				
						2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62	5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65	Green Intensity, Single Cell	000- 255	Green Intensity, each cell
						3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55, 59, 63	6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66	Blue Intensity, Single Cell	000- 255	Blue Intensity, each cell
						4, 8, 12, 16, 20, 24,	7, 11, 15, 19, 23, 27, 31, 35, 39, 43,	White Intensity, Single Cell	000- 255	White Intensity, each cell

2CH	4CH	9CH	13CH	25CH	32CH	64CH	72CH	Function	Chan nel Valu e	Description
						28, 32, 36, 40, 44, 48, 52, 56, 60, 64	47, 51, 55, 59, 63, 67			

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: AC100~230V, 50/60HZ
- Light source: 18PCS 20W RGBW LED's
- Setup and addressing via LED display and 4 buttons
- Working temperature: -30°C~50°C
- Control mode: DMX512, Auto Run, Master/Slave
- Strobe effect: Variable speed
- 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 with a vertical hanging adapter
- Split Joint: structural connection with 2 pieces quick release pins
- IP Grade: IP65
- Weight: 20lbs/9.1 kg
- CE/Rohs
- RDM UID: 010e519214f7

5. Photometrics

Brightness measured at distance, in FC

Distance in Feet	FC at Full White
5	2630
10	657
15	140
20	164
30	35