



User Manual

Cryo Jet DMX 512

- **Weight:** 18 pounds / 8.1Kg
- **Pressure Rating:** 0-1100 psi / 75Bar
- **Voltage:** 110VAC 50/60Hz
- **Noise Level:** 110 decibels
- **Color:** Black
- **Distance:** 20-30 feet
- **Material:** ABS/Brass/Steel
- **Dimensions:** 10" x 10" x 7" / 25.4cm x 25.4cm x 17.78cm
- **Operation:** DMX 512 Only
- **Hardware:** 2250 psi Hose with attached CO₂ tank connector fitting.
- **Description:** This is the DMX version of the most popular Cryo Jet you may have seen at nightclubs or concerts. This CryoFX CryoJet is has an adjustable nozzle and allows power to be linked to multiple units.



• More info and products please visit www.CryoFX.com •

1. Unpack CryoFX Cryo Jet, hose, DMX cable, and power cable. Locate fitting on both hose and Cryo Jet as pictured below. Pull back the outside part (ring) of the fitting on the hose and insert the fitting on Cryo Jet as shown below. Let go of ring as you push both fittings together until the outer ring snaps back forward. This will lock the hose and Cryo Jet together. Gently pull both fittings apart to make sure the hose is attached to the Cryo Jet.



2. Locate the DMX cable connector as pictured below and plug into the Cryo Jet. Plug the opposite end of the same DMX cable into your DMX controller. Set the DMX switches to DMX values of the DMX channel you desire. Locate the speakon power cable connector as pictured. Plug this power cable connector into the Cryo Jet as shown. Once pushed in, twist clockwise until metal tab on top pushes forward. (To remove this connector, pull back on metal tab and turn counter-clockwise, then pull out.)



3. Locate end of hose with the fitting shown below. Take the piece of tape off the top of the fitting and throw it away. Make sure the plastic O-ring stays inside the fitting. Screw fitting onto tank with your hand until it's tight. Then take an adjustable wrench, as shown below, and tighten the fitting onto the tank fairly tight. Do not tighten too tight as damage or breakage may result.



4. SLOWLY turn the valve on top of the tank. The hose may move as the liquid CO2 enters the hose and makes it stiff. Check for any leaks you may see as you open the valve more. If you notice leaks, turn off the valve and locate leaks. Once located contact CryoFX. When finished using, turn valve on top of tank in opposite direction as the last time you turned it so as to close the valve. Activate Cryo Jet a few more times to let the remaining CO2 in the hose out.



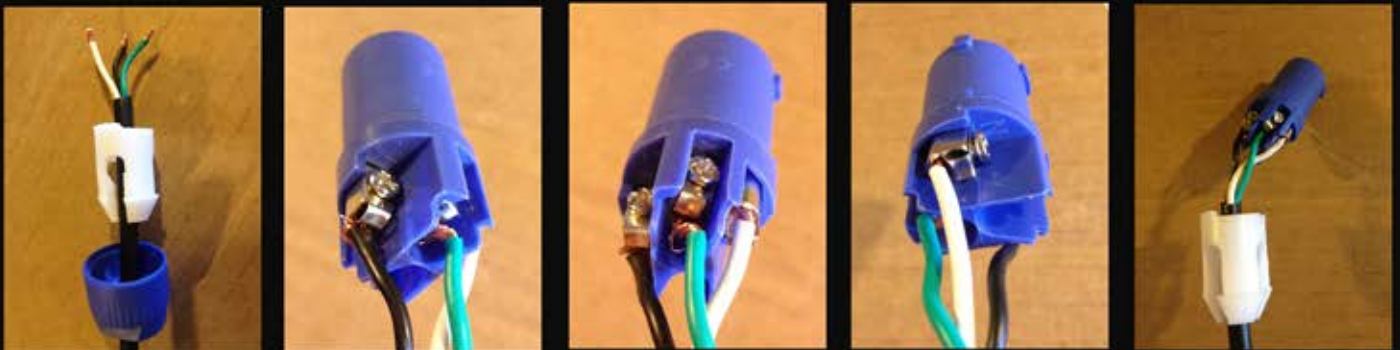
WARNING: Co2 Blasts cannot exceed 3 seconds in length for each blast. Two blasts cannot occur within 5 seconds of each other. Power must be connected last as to ensure safety.

DISCLAIMER: CryoFX.com is not responsible or held liable for any damages resulting from use of this equipment or any CO2 equipment. The equipment listed within is for special effects purposes only and should be used only by professionals or those who fully understand the use, operation, effects, and dangers of all equipment listed herein. All equipment should be tested before actual use in front of an audience. Any other use other than what is specified is prohibited and can cause extreme dangers to anyone in the vicinity. CO2 Jets and CO2 guns should never be pointed directly at people closer than 5 feet in distance. CO2 Jets and CO2 Guns should never be pointed at someones face for an extended period of time as CO2 displaces oxygen therefore suffocating those in the direct path. Again, we, CryoFX. com are NOT responsible or held liable for misuse or damages resulting from the equipment listed herein.

To hook up multiple units (daisy chain) via one power source, first ensure no power is connected and cord is not plugged into the unit or power outlet. (Note: both speakon connectors are wired the same, the only difference is the color of the connector. Therefore this process will be done for both blue and grey speakon connectors on the same wire, one end of the wire with blue, the other with grey.) Locate the blue color speakon connector and unscrew the blue back piece from the rest of the connector and slide the white piece and center piece out. Locate your prepped wires (shown below) and first place the blue piece which was unscrewed, onto the wires.



Slide the white piece onto the wires as shown. Connect the wires to the terminals as shown below; Black - L (Live), Green - (Ground Symbol), White - N (Neutral). Slide the white piece forward.



Situate the white piece as shown. Locate the outer piece of the speakon connector and slide onto the inner-piece as shown. Push the blue screwable piece forward. Screw the blue piece onto the rest on the connector as far as you can.



Repeat this process for the blue/grey speakon connector as mentioned above.

DO NOT attempt this with any cords plugged into outlets.



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Is there a warranty on this Cryo Jet?

Yes, there is 1 year limited warranty which will cover operational and mechanical defects only.

Can I disconnect the Cryo Jet from the hose during use?

NO, never disconnect the Cryo Jet from the hose while there is pressure in the line or the valve is in the on position on the CO₂ bottle.

Are tools needed before I use this Cryo Jet?

Yes, one crescent wrench or adjustable wrench is needed to connect the hose to the CO₂ tank.

What kind of tank or bottle do I need?

You need one of two tanks. The most standard of the two tanks needed is a high pressure Carbon Dioxide CO₂ siphon tube tank, also called a "Siphon Tank" or "Dip Tube Tank". These tanks come in sizes ranging from 5 pounds to 100 pounds. The siphon tank has a tube that drops down the center to the bottom of the tank to dispense the liquid CO₂. Make sure you ask for a Siphon tank as a standard CO₂ tank will not work. The alternative type of tank used is a Dewar tank, which is a larger low pressure refrigerated tank containing much more CO₂ but at a lower pressure of 350psi or less. Please see tank illustration in the "Tanks" section under "Product Knowledge" tab on www.CryoFX.com for tank sizes and info.

Where can I buy Carbon Dioxide, also called CO₂?

You can find CO₂ gas at a local welding supply shop or Gas supplier (not the gas you put in your car). AIRGAS is a national company which provides CO₂.

How long will the tanks last?

This varies on many factors including the length of the hose, the length of the blasts and most importantly, the size tank you are using. The average blast is 2 seconds long, and a High Pressure 50 pound Siphon Tank has 1.5 min of effect and a Low Pressure Dewar Tank has about 10 minutes of effect. For more tank sizes, tank usage lengths and more info, please see tank illustration in the "Tanks" section under "Product Knowledge" tab on www.CryoFX.com.

Can CO₂ cool down an area?

Yes, between 20-35% depending how it is used. A solid stream is colder directly in front than it is towards the outside of the stream of the blast.

What is a good hose length for my Cryo Jet?

The best length for the hose is between 20 feet and 30 feet. Any hose longer than 50 feet will not work as effeciently as a shorter hose therefore minimizing the output of the effect.

Can I connect multiple hoses or order longer hoses?

Yes. we can custom make any size hose with any number of quick connect fittings or standard fittings so you have the future option to shorten or lengthen your hose. We can also create custom hoses for two or more Cryo Jets to run off the same tank or one Cryo Jet to run off multiple tanks. Please email with any inquiries.

How far or how high do the plumes (clouds) of CO₂ travel when exiting the Cryo Jet?

The CO₂ plumes will reach at least 20 feet to 30 feet. The humidity in the air directly affects the visibility in relation to length and density of the CO₂ cloud. The more the humidity, the better and farther the white cloud of CO₂ can be seen.

Is it dangerous to shoot the CO₂ directly at people?

Yes. CO₂ displaces oxygen therefore making it very difficult to breath in the immediate path of the CO₂ plume cloud. Avoid spraying it directly at people who are closer than 6 feet in distance. CO₂ is also very cold, up to -40 Degrees F. and could easily freeze skin and body parts.

While using my CryoFX Cryo Jet, the white plume stopped and only a loud noise is coming from it.

If your system is connected properly and you only get noise when you squeeze the handle and no white clouds of CO₂ come out, your tank is probably empty. Even though there is still gas and pressure inside, the liquid CO₂ has turned into gas inside the tank and will be completly empty soon. This is a sign you have used all the CO₂ in the tank and you will need to get it refilled.

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