



# User Manual

## Cryo Jet DMX 512 Adjustable

- **Weight:** 28.8 Lbs (pounds) (10.3Kg)
- **Pressure Rating:** 0-1100 psi / 76Bar
- **Voltage:** 110VAC or 220VAC 50/60Hz
- **Noise Level:** 110 decibels
- **Color:** Black
- **Operation:** DMX 512
- **Material:** ABS/Brass/Steel
- **Distance:** 20-30 feet (8-10 meters)
- **Dimensions:** 13.5" x 13" x 18" (34.3cm x 33cm x 45.7cm)
- **Hardware:** 2250 psi Hose with attached CO<sub>2</sub> tank connector fitting.
- **Description:** This is the Adjustable DMX 512 version of the most popular Cryo Jet you may have seen at nightclubs or concerts. This CryoFX CryoJet is DMX linkable so multiple units can be controlled at once.



• *More info and products please visit [www.CryoFX.com](http://www.CryoFX.com) •*

1. Unpack CryoFX Cryo Jet, hose, and 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 onto the 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 knobs on both sides of Cryo Jet and turn tight after adjusting angle of Cryo Jet. Locate the DMX cable and plug the end of the DMX cable as shown below into the unit and the other end into your DMX controller. Set the DMX address on the Cryo Jet to the desired channel.



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 eachother. Power must be connected last as to ensure safety.**

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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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub>. Make sure you ask for a Siphon tank as a standard CO<sub>2</sub> 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 CO<sub>2</sub> 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](http://www.CryoFX.com) for tank sizes and info.

**Where can I buy Carbon Dioxide, also called CO<sub>2</sub>?**

You can find CO<sub>2</sub> 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 CO<sub>2</sub>.

**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](http://www.CryoFX.com).

**Can CO<sub>2</sub> 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 CO<sub>2</sub> travel when exiting the Cryo Jet?**

The CO<sub>2</sub> 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 CO<sub>2</sub> cloud. The more the humidity, the better and farther the white cloud of CO<sub>2</sub> can be seen.

**Is it dangerous to shoot the CO<sub>2</sub> directly at people?**

Yes. CO<sub>2</sub> displaces oxygen therefore making it very difficult to breath in the immediate path of the CO<sub>2</sub> plume cloud. Avoid spraying it directly at people who are closer than 6 feet in distance. CO<sub>2</sub> 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 CO<sub>2</sub> come out, your tank is probably empty. Even though there is still gas and pressure inside, the liquid CO<sub>2</sub> has turned into gas inside the tank and will be completly empty soon. This is a sign you have used all the CO<sub>2</sub> in the tank and you will need to get it refilled.

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