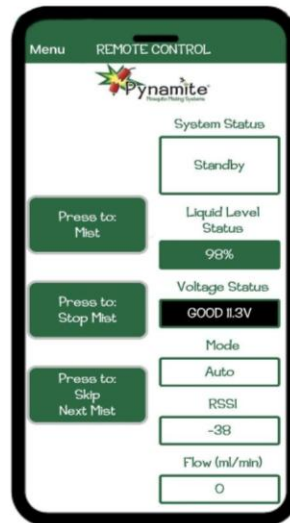




## Cube Pro Manual



## SAFETY PRECAUTIONS

- Position the unit on level ground where it is free from flooding or exposure to irrigation spray.
- Plug the power cord into a GFCI protected outlet.
- Do not use an extension cord.
- Unit requires a 120V and 15 amp circuit. Test with multimeter. Contact an electrician if unsure.
- Disconnect unit from power source if replacing components.
- Replace fuses only with those of equivalent value.
- Motor can get hot with continuous running. The Cube Pro system is designed for intermittent duty cycles.



## BEFORE INSTALLATION

The Pynamite Cube is shipped with the drain valve cap removed. Hand-tighten it in place before filling the Cube. Do not discard the viton o-ring inside the cap, go to page 8 for more information.

## DOWNLOAD THE APP

- Go to iPhone App store or Play Store, depending on your device. Type Pynamite Cube Bluetooth in the search bar.
- Download and then open the Pynamite Cube **Bluetooth** app. **NOTE: Go to page 3 for app set up instructions.**

The App will be used:

- to set-up and configure the settings for the system
- as the remote control
- to update any future firmware or software updates

## THE CONTROLLER

**NOTE: Avoid getting the controller wet.**



### 1. POWER

- Press the Power button to turn the system ON. The green LED indicates the system is ON. **NOTE: The app default is 0 nozzles, the system will not mist until the controller is paired with the app and the nozzle count is increased to at least 1 nozzle in the Set Up screen.**
- Press the Power button for 2 seconds to turn the system OFF

### 2. LIQUID LEVEL STATUS shows the liquid level in the tank

- Green 100%-26%
- Yellow 25%-11%
- Red 10%-1%
- Blinking Red 0% - System will not mist until Liquid Level has been physically reset by either pressing the Stop button for 5 seconds or resetting the Liquid Level in the Set UP screen of the app. **NOTE: The Liquid Level must be reset every time the system is refilled.**

### 3. MIST BUTTON

- Press the Mist button to initiate a mist. Default length is 45 seconds. Mist length is the same duration as the app remote control length and can be changed in the Set Up screen.
- Press and hold the Mist button for 5 seconds to initiate a 180 second Inspect cycle.

**NOTE: The system will first agitate before it mists if agitation is turned ON and the system will mist Zone 1 and then Zone 2 if the optional Zone Kit is installed and Zone 2 is turned ON.**

#### 4. STOP MIST BUTTON

- Press the Stop Mist button to immediately stop a Mist.
- Press the Stop button for 5 seconds to reset the Liquid Level to 100%. The POWER button LED will flash green 5 times to indicate the Liquid Level has been reset to 100%

**NOTE:** Liquid Level can also be reset in the app Set Up screen and must be done every time the Cube tank is refilled.

#### BLUETOOTH CONNECTION SCREEN

This screen is used to manage connections and devices. Once the app is downloaded it will default to the Bluetooth Connection screen.



The Selected Device box will show the name of the device that the app is currently connected to. If no device is connected, the field will be blank.

- If asked to share your location press **“Only When Using”** or **“Always”** so that the system will know your time zone and keep accurate time. Declining will make the Dawn and Dusk feature inoperative.
- If asked to have access to photos and videos press **“Only When Using”** or **“Always”** so that the app will get future updates.
- If asked to access your phone’s Bluetooth press **“Allow”**.
- **Press the Select Device button to navigate to the system Devices Screen.**

#### AVAILABLE BLUETOOTH DEVICES SCREEN

This screen is used to select the Pynamite device the app will pair to.



- Press on Pynamite under Available Pynamite Devices to access your system.

#### BLUETOOTH CONNECTION SCREEN



Press **Connect** and settings will load.

**NOTE:** With this app only one phone can be paired at a time. To pair a new phone, press the **DISCONNECT** button on the first phone to free it up for a new phone.

**Renaming the Device:** If you want to rename the device, before pressing Connect, you can change the name of the Selected Device by pressing PynamiteBLE and typing in the desired name, then press Rename Device. The system will be renamed on that user’s phone. This is helpful if you have more than one system.

**Disconnecting the Device:** Press the Disconnect button to disconnect the app from the selected device. This button is disabled if no device is connected.

## MENU SCREEN

BLUETOOTH SET UP

REMOTE CONTROL

SET UP

MIST CYCLES

ABOUT

PRIVACY POLICY

Pressing on the Menu button (either ☰ or the word Menu) in the upper left-hand corner of the screen will open the menu. The screen that is currently displayed will be highlighted.

Pressing on any of the menu options will take the user to the selected screen.

## REMOTE CONTROL SCREEN

This screen is used as a remote control by pressing the buttons on the left and for informational purposes through the boxes on the right.

### TOP OF THE SCREEN

Press the Menu or ☰ to navigate between app screens

### REMOTE BUTTONS on the left

#### MIST BUTTON

Press the Mist button to begin a remote manual misting cycle.

**NOTE: The app default is 0 nozzles, the system will not mist until the controller is paired with the app and the nozzle count is increased to at least 1 nozzle in the Set-Up screen. It is best to input the actual number of nozzles so the liquid level status will be accurate.**

#### STOP MIST BUTTON

Press the Stop Mist button to terminate any misting cycle and stop other activities in progress.

#### SKIP NEXT MIST

Press the Skip Next Mist button to skip the next scheduled automatic mist cycle. The skip feature can be activated any time a scheduled automatic misting cycle is not active. Once a user has chosen to skip the next cycle, the button text will be changed to Unskip Next Mist and pressing it will cancel the request to skip the next auto mist cycle.

When this button is pressed, a confirmation pop-up will verify the Skip/Unskip request before sending the command to the controller.

### INFORMATION SCREENS on the right

**SYSTEM STATUS:** displays the current state of the misting system. The field will report one of the following states:

- STANDBY – controller is idle
- AGITATE – in agitation phase - a countdown will appear
- MIST – in misting phase - a countdown will appear
- DUMP – in dump phase
- STIR – performing a stir (agitation) operation
- EMPTY – tank is empty - system will not mist until Liquid Level is reset
- STANDBY/SKIP – skip the next mist has been activated
- MIST SAVER – suspends misting if the temperature goes below 50F inside the Cube – Mist light on the controller blinks purple

**LIQUID LEVEL STATUS:** displays the current % level of liquid in the tank. The background of the field will change color based on the % level

- Green – Level = 100% to 25%
- Yellow – Level = 24% to 11%
- Red – Level = 10% to 0%

**NOTE:** The system will stop misting at 0%. To reset Liquid level either: 1) go to the Set Up screen in the app and reset the Liquid Level OR 2) Press and HOLD the **STOP** button on the controller for 5 seconds. The POWER button LED will flash green 5 times to indicate liquid level has been reset to 100%. **Running the pump dry can damage the pump and void the warranty.**

**MODE STATUS:** displays either Auto or Manual. The system must be in Auto mode for scheduled mists and stir operations to activate. Change the Mode in the Set Up screen.

**RSSI STATUS:** displays the current Bluetooth strength (RSSI = Received Signal Strength Indicator). The number is always negative. The smaller the negative number is, the stronger signal is.

## SET UP SCREEN

This screen is used to configure the controller settings

**Select Choice:** is used to select between Manual and Auto mode. Press Auto or Manual to move the mosquito icon to that Mode.

**NOTE:** System must be in Auto mode for scheduled mists and stir operations to activate.

**Agitation:** happens before every mist cycle. It is a good feature to turn ON.

**Stir:** is additional twice a day agitation. Only operates in Auto mode, should be turned ON

**Liquid Level Reset:** resets the liquid level back to 100%. **Liquid Level must be manually RESET each time the system is refilled.** The Liquid Level is shown on the remote control screen of the app. The system uses math to determine when it is time to refill, it does not have a liquid level sensor. When the system reaches 0% it will not mist until Liquid Level is reset. **NOTE: Do not allow the pump to run dry as this can damage the pump and void the warranty.**

**Zone 1 Settings:** are used to configure the number of nozzles, the nozzle flow rate, and the tank size used in the system. **NOTE: The app default is 0 nozzles, the system will not mist until the controller is paired with the app and the nozzle count is increased to at least 1 nozzle on each active zone.**

- Number of Nozzles – Range 0-60
- Nozzle Flow Rate – Range is 1-90 ml, typically leave as default
- Tank Size – Range is 1/250 Gallons, typically leave as default

**Zone 2 Setting:** is used to configure the number of nozzles in Zone 2 if an optional Zone Kit was purchased for the system.

- Number of Nozzles – Range: 0-60 (at least 1 nozzle must be input for Zone 2 to mist)

## MIST DAYS

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

REMOTE DURATION (sec)  
(Default 45 sec)

45

REMOTE COUNTER

0

REMOTE RESET

RESET

MIST SAVER

☒

LOW VOLTAGE DETECTION

☐

DUMP (sec)  
(Default 15 sec)

15

## OPTIONS

LEARN OPTIONAL  
TRANSMITTER

LEARN

FORGET OPTIONAL  
TRANSMITTER

RESET

LEAK DETECTION

☐

LEAK ERROR %  
(Default 20)

20

RESET TO FACTORY  
DEFAULTS

RESET

**Mist Days:** are used to independently configure which days automatic misting should occur.

**Remote Duration:** is used to configure the duration of the mist cycle when triggered from the app or the Mist button on the controller. The range is 1-999 seconds.

**Remote Counter:** shows how many remote and manual mist cycles have been initiated from the app. It will reset to 0 after 999.

**Remote Reset:** is used to reset the remote counter back to zero.

**Mist Saver:** suspends auto cycle misting when the temperature falls below 50F inside the Cube. The Mist LED will blink purple. Scheduled mist cycles will resume when the temperature is above 50F inside the Cube. If the temperature falls to 32F the system will go into Freeze mode and all functions will cease. The Mist LED will turn Purple. **NOTE:** This is a safety precaution to help keep the system from misting during a freeze and damaging the pump & motor and controller. However, any damage done if the system mists during freezing will void the warranty.

**Low Voltage Detection:** should be turned OFF for 120V systems.

**Dump:** Relieves the pressure off the nozzles.

**Options:** Refer to separate instructions if options were purchased

## MIST CYCLES SCREEN

This screen is used to set the automated mist cycles. Up to 24 independent mist cycles can be set. They are displayed as 1 through 24. Cycles 1 and 2 are always listed as Dawn and Dusk and cannot be changed but can be toggled ON or OFF.

Menu

MIST CYCLES

Add Cycle

Delete Cycle

CYCLE	TIME	SEC.	OFF/ON
1	Dawn 6:39 AM	45	<input checked="" type="checkbox"/>
2	Dusk 6:38 PM	45	<input checked="" type="checkbox"/>
3	10:00 PM	45	<input checked="" type="checkbox"/>

**Cycles 1 & 2 - Dawn & Dusk:** are a convenient way of not having to reset mist cycles with Daylight Saving Time. Dawn & Dusk cycles cannot be deleted only turned ON or OFF.

**Add a Cycle Button:** Pressing will add a new mist cycle row. The time will say "Set Time" until a new time has been selected for the mist cycle.

**Seconds Field:** is used to configure the duration of the mist cycle. This field will default to 45 seconds and has a range of 0-999 seconds.

**On/Off Selector:** is used to enable or disable that mist cycle.

**Zone Field:** is displayed if optional Zone Kit is installed and Zone 2 is turned on. It is used to configure which zone is controlled by each mist cycle. The choices are 1, 2 and Both.

**Delete a Cycle:** Pressing will delete the selected row from the list. The delete button will not be enabled unless a row has been selected. **NOTE:** The Dawn and Dusk cycles cannot be deleted only turned ON or OFF.

## RECOMMENDED MIST TIMES

**MOSQUITOES:** 45 second mists at Dawn, Dusk and again about 10:00 pm

**FLIES:** 30-45 second mists at 8:00 am, 10:30 am, 1:00 pm, 3:30 pm, and 6:00 pm

**NO-SEE-UMS:** 15-30 second mists every 30-60 minutes from 3:00-7:00 pm

It will take a couple days to get control of your yard initially and again sometimes after a big rain and hatching cycle. Use the remote control to mist in between scheduled mists.

## ABOUT SCREEN

This screen is used to update firmware on the controller and link to the Pynamite website for further information on the system.



The system arrives with the latest update. However, if you want to check for an update, go to iPhone App or Android Play store depending on your device. Type Pynamite Cube Bluetooth in the search bar. Press the mosquito icon. If an update is available, press it and wait for the app to update.

### To update Firmware

Open the Pynamite app on your phone and connect to the device as instructed on page 3

Press MENU or ≡

- Press ABOUT
- Press the Update Firmware Button
- Press the PynamiteBLE.zip file. You will see a pop up
- Press Download and the % bar will start increasing from 0%  
The LEDs on the controller will turn blue during the download and change back to green when complete

**NOTE: The paired phone MUST stay in range of the Bluetooth controller until the download has finished or the controller will lock up requiring a tech support call.**

## INSIDE THE CUBE



1. POWER CORD – plug into a standard 120v 15 amp GFCI protected outlet.

**NOTE:** Plug the cord into a surge protector to protect against power surges. Do not use an extension cord.

2. CONTROLLER – see operating instructions on previous pages.

3. AGITATION/ ANIT-SIPHON VALVE – agitates liquid inside the cube prior to every mist to keep the contents in suspension and stops siphoning if the tubing gets cut.

4. NOZZLE CIRCUIT ELBOW – the beginning of the nozzle circuit. Bring the tubing in through the nozzle circuit outlet (#6), insert the tube into the nozzle circuit elbow.

**NOTE:** To insert the tubing correctly, first make a clean straight cut with the tube cutter, then moisten the tubing and push it all the way in and then swiftly pull back to lock the tubing in place.

5. PRESSURE RELIEF TUBE & JET NOZZLE – used to relieve the excess fluid from the pump and to relieve the pressure from the nozzle circuit at the end of a mist cycle. **NOTE:** DO NOT remove the jet nozzle from the tube inside the tank.

6. NOZZLE CIRCUIT OUTLETS – outlets (holes) on both the back right and left sides of the Cube to allow the nozzle circuit to go in either direction. It may be easier to feed the tubing in through the nozzle circuit outlet from outside the Cube before attaching it to the nozzle circuit elbow.

7. SUCTION STRAINER – catches particulates/debris from the tank before they enter the pump and nozzle circuit and helps keep the nozzles from getting clogged. It serves as an excellent visual to determine if the strainer is clogged and needs to be cleaned. See more about the Suction Strainer on page 9.

8. PUMP AND MOTOR – can mist up to 60 nozzles. **NOTE:** The strap holding the motor in place is for shipping. It can be removed for quieter motor operation.

9. LOUVERS – covers the drainage holes. See Installing the Louvers on page 9. If liquid is exiting through the louvers, a leak has occurred inside the Cube and needs to be inspected immediately. **NOTE:** Never operate the Cube without the louvers or with broken louvers, as water (rain, irrigation, etc...) can enter the Cube and damage the electronics.

10. 8" MANWAY – used to access inside the Cube for filling, maintenance, and winterization. **NOTE:** Never operate the system with the manway open.

## NOT PICTURED

### Outside the Cube

- RECESSED DRAIN – located on the bottom right side of the Cube tank.  
**NOTE:** The Pynamite Cube is shipped with the drain cap removed. Make sure viton o-ring is in place and hand-tighten before adding liquid.

### Inside the Cube

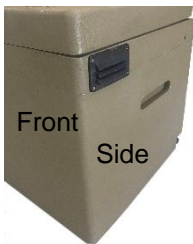
- SUCTION STRAINER TUBE – attached to the suction strainer (#7), draws liquid from the Cube into the pump and out through the nozzle circuit.
- PRESSURE RELIEF TUBE – attached to the jet nozzle (#5), relieves pressure from the nozzle circuit back into the Cube.

## ATTACHING THE DRAIN CAP



Make sure the viton o-ring is in place and hand-tighten the drain cap on to the drain located in the back right hand corner of the cube, before filling the cube. **Do not overtighten.**

## ATTACHING THE LOUVERS



The louvers cover holes in the sides of the cube that allows water to drain out if the cube gets overfilled or a hose breaks.

- While the lid on the Cube is closed; center the louver over round the hole on each side, **just under the lid. Do not attach the louvers to the lid.** Make sure the louvers point down.
- Attach the louvers with the provided screws. Tighten just until snug. **CAUTION: Do not over tighten the screws.**

**NOTE:** Never operate the Cube without the louvers or with broken louvers as water (rain, irrigation, etc...) can enter the Cube and damage the electronics.

## USING THE PRESSURE TESTER



The Pressure Tester is a tool to check the pressure at the system and anywhere along the nozzle circuit.

To test the pressure at the system, insert the pressure tester into the nozzle circuit elbow inside the Cube. To remove the tubing or pressure tester from any fitting, hold down the collet on the fitting and pull the tubing or pressure tester out.

The pressure tester can also be used along the nozzle circuit to check for leaks. To attach the pressure tester to the nozzle circuit, remove a nozzle and adapter from the fitting and insert the pressure tester into the tee fitting that was holding the nozzle and adapter.

**NOTE:** The pressure tester should **NOT** remain attached during regular operation. Store the pressure tester out of freezing temperatures to use again when needed.

## SUCTION STRAINER



The Cube Pro comes with 2 separate filters to help keep the nozzles clean and clog free. The suction strainer is the first strainer on the Cube Pro system. It is the “window” inside of the tank. Check the suction strainer every time the system is refilled. If it is clogged and dirty, it needs to be cleaned, and most likely so does the inside of the tank. Clean the filter by pulling some of the suction hose up and out of the hole to allow the strainer to be moved outside of the Cube as shown in the picture. Open the clear bowl outside the Cube so liquid does not drain inside the Cube and remove the mesh filter. Rinse the filter and nylon bowl. Reattach the clear bowl making sure the o-ring is in place.

**NOTE:** Do not allow water to remain in the clear plastic bowl of the suction strainer during the winter. Freezing water will crack the bowl. Remove and store the clear plastic bowl over the winter.

## INLINE FILTER



The inline nozzle filter is installed just outside the system. It is a secondary filter that cleans the fluid before it reaches the nozzles. The inline filter should be installed in the nozzle circuit before any nozzles or fittings (or optional zone kit if installed). Insert the tubing coming out of the Cube system into the end of the inline filter NOT marked OUT. Insert another piece of tubing into the end of the filter marked OUT and begin the nozzle circuit.

**NOTE:** Install the inline filter so that the word **OUT** is connected to the tubing going to the nozzle circuit

Open the filter to check and clean the internal bronze filter annually. It can be rinsed if any debris is noted. Ensure the parts are replaced properly after cleaning.



## NOZZLE CIRCUIT ASSEMBLY

### Nozzle Assembly:

- Insert the nozzle and 45° adapter into the center hole of a union tee by pushing the adapter into the tee and then swiftly pulling back to lock the nozzle and adapter in place.

### Riser Assembly:

- Insert the tubing sticking through the **bottom** of the riser into the center hole of a union tee.
- Insert the nozzle and 45° adapter into the union at the **top** of the copper riser. Secure the adapter by pushing it all the way in and then swiftly pulling back to lock the adapter in place.

**NOTE:** Ensure the nozzles are tightly screwed into the 45° adapter. Do not loosen the nozzle from the adapter or the tip from the nozzle. That will cause a pressure loss.

The most effective nozzle circuit is one that forms a complete perimeter barrier around the area you want to protect. Nozzles/risers are typically placed 10 feet apart.

**The Cube Pro** with its high pressure pump and motor is strong enough to run up to 60 nozzles/risers without having to create a closed loop. Insert a union tee anywhere in the line to run in a different direction. Insert a plug into the open hole(s) of the union tee(s) at the end of all the runs.

### Starting a Nozzle/Riser Circuit:

- Run the end of the tubing in through one of the Nozzle Circuit Outlets (holes) found in the back corners on either side of the Cube. See #6 on page 7.
- Insert the tubing into the nozzle circuit fitting inside the Cube. See #4 on page 7.
- Using the Tube Cutter, cut the tubing at the first nozzle placement or tee and insert the tubing into a side hole of a union tee.
- Continue cutting the tubing to the desired length, usually 10 feet, and attaching to the remaining union tees on the nozzles/risers to create the nozzle circuit.
- Secure the nozzles with the included tube clamps. Place a tube clamp on the tubing on each side of the nozzle to hold the nozzle in place and one every 3-5 feet to hold the tubing in place.
  - Be sure to pull tubing snug before tightening the clamp to keep the tubing from sagging.
  - **NOTE: If installing on Stucco, take precautions to ensure water does not seep into the Stucco. Contact Pyramite for specific instructions, 866-986-5586**

### Tips & Time Savers:

- Ensure every tubing cut is a straight clean cut. Even a small angle can cause a leak in the fitting.
- Push the tubing all the way into the fitting and then swiftly pull back to lock it in place to avoid leaks. You should feel 2 points of resistance for the tubing to be fully seated.
- Wetting the tubing before inserting it into the fitting will help it slide in easier.
- To release a nozzle or tubing, hold down the springy collet on the fitting and pull to remove nozzle or tubing. The U-shape on the back of the tube cutter works well to hold the springy collet down.
- When the installation is complete, check the entire nozzle circuit to make sure there are no leaks and that the tubing is inserted into all the fittings properly. Use the pressure gauge (see page 13) to check the pressure along the nozzle circuit.
- Don't bury the riser tubing until after the system has been pressure tested and no leaks were found.
- Tubing does not need to be protected underground but should be protected in 12"-15" of PVC pipe or similar material up from the ground for every transition to avoid cuts from feisty squirrels and weed whackers.
- Nozzles and risers can be alternated throughout the installation.

## TUBE CUTTER



The tube cutter is used to make straight cuts in the tubing. The U-shape on the back of the tube cutter is a tube release tool. Use it push down on the springy collet of a fitting to release the tubing.

## NOZZLES



Pynamite nozzle tips are cleanable. The tip (1) can be unscrewed and soaked in 50/50 hot vinegar/water solution to remove calcium deposits. Hand tighten to reassemble. **NOTE:** Only soak the nozzle tip in the vinegar solution. Do not soak the spring, ball and o-rings.

## SYSTEM SET UP

Once the nozzle circuit has been installed and connected to the Cube, the system needs to be purged and tested before filling it with insecticide.

- **Turn the system OFF** and fill the Cube about halfway with water. **DO NOT ADD INSECTICIDE. DO NOT GET THE CONTROLLER WET.**
- Remove the last nozzle on the circuit (or nozzles if you have different runs).
- Turn the system ON and **CLOSE the Manway Cover**. Initiate a 180 second Inspect cycle by pressing and HOLDING the Mist button for 5 seconds **then release**, to purge the air out of the system. **NOTE: The system will not mist with a quick touch on the Mist button until the controller is paired with the app and the nozzle count is set to at least 1 in the Set Up screen.**
- After the agitation cycle, the system will start misting. **Verify there are no leaks inside the Cube before walking away.** Water and air will come out of the open nozzle(s). Initiate several Inspect cycles to purge the air out of the lines until the water runs freely without sputtering.
- Once the water is running without air sputtering and the inspect cycles ends, **replace the nozzle(s).**
- Attach the pressure tester along the nozzle circuit to test the system pressure. Be sure all nozzles have been replaced on the nozzle circuit. Refer to pressure tester instructions on page 9.
- Press and hold the Mist button for 5 seconds. Once misting, if the pressure does not reach at least 150 psi, check tubing connections making sure water is not leaking out or air is not being sucked in.
- Once the pressure is verified, remove the pressure tester and reattach the nozzle(s).

**Turn the system OFF**, pour in the insecticide, and continue filling the Cube with water. Turn the System ON. **NOTE: DO NOT OVERFILL THE CUBE, WATER CAN DAMAGE THE ELECTRONICS AND PUMP AND MOTOR.**

### WARNINGS:

**DO NOT LEAVE THE SYSTEM UNATTENDED WHILE FILLING**

**DO NOT LET THE HOSE COME IN CONTACT WITH SOLUTION IN THE TANK**

**UNPLUG THE SYSTEM WHILE SERVICING**

**NOTE:** When the Cube is full, you may notice a slight bulge. This is common with rectangular tanks and is not a functional concern.

## INSECTICIDES REGISTERED FOR MISTING

Only products that are water based, approved by the EPA and labeled for use in an Automated Misting System can be used in a Pynamite Misting System. **Products containing Petroleum Distillates should never be used regardless of labeling. Additionally, do not use Natural Products containing essential oils such as wintergreen, peppermint and similar. Using unauthorized products can damage your system as well as your property and will void the warranty.** To see approved misting concentrates, go to [www.mosquitoesinthemist.com](http://www.mosquitoesinthemist.com) and click on the Misting Solutions tab.

Never mix different misting concentrates inside the Cube. Always thoroughly clean out the tank and run a couple freshwater manual mists before you change products. Perform this clean out procedure after every 2-3 refills to keep the Cube tank clean and algae/bacteria free.

## LIQUID LEVEL RESET

**Level Reset:** resets the liquid level back to 100%

**Liquid Level must be manually RESET each time the system is refilled.** The Liquid Level is shown on the controller and remote control screen of the app. The system uses math to determine when it is time to refill (number of nozzles, duration and frequency of mists). It does not have a liquid level sensor. When the system determines the tank is at 0% it will not mist until the Liquid Level is reset.

To reset the liquid level:

- In the APP
  - Press the Menu button (either ≡ or the word Menu) in the upper left-hand corner of the screen
  - Press Set-up
  - Press RESET next to Liquid Level
  - Press to confirm
- On the controller
  - Press and HOLD the Stop button for 5 seconds until the Power button LED flashes green 5 times to indicate the liquid level has been reset to 100%. The app is required to set for less than 100%

**NOTE: Do not allow the pump to run dry as this can damage the pump and void the warranty.**

## WINTERIZING

Plan for the Cube tank to be close to empty as the winter season commences. The Cube should be emptied during winter. Be sure to dispose of any remaining liquid properly according to the instructions on the label of your misting concentrate.

**Flush pump and agitation valve with clean water:**

- **Unplug the system.**
- Open the drain cap on the bottom right side of the Cube to drain.
- Open the manway cover (#10) to rinse inside the Cube with fresh water, replace the drain cap. **Do not get the electronics wet.**
- Thoroughly rinse the suction and agitation lines inside the cube with fresh water.
- Fill a few inches of water back into the Cube, **make sure the water covers the entire end of the suction hose and CLOSE THE MANWAY COVER.** **Never operate with the manway open.**
- Plug the system in.
- Turn the system ON and initiate an Inspect cycle by pressing and HOLDING the Mist button for 5 seconds and **then releasing.** The agitation cycle will flush the agitation valve and the mist cycle will flush the pump.
- Open the drain cap and empty the Cube and then activate a dry manual mist cycle by pressing the Mist button to clear the water from agitation valve and pump. Replace the drain cap.

- **Do not allow water to remain in the clear bowl of the suction strainer (#7). Freezing water will crack the bowl.** Remove and store the clear bowl over the winter to prevent it from cracking.
- **Turn the system OFF.**

#### **Purge fluid remaining in the Nozzle Circuit with compressed air.**

- Remove the nozzle tip from the 45° adapter on the end of each run.
- Using a portable air compressor and winterizing fitting (can be purchased from Pynamite [www.mosquitoesinthemist.com](http://www.mosquitoesinthemist.com), click the Fittings & More tab) purge fluid from nozzle circuit by connecting the air compressor to the tubing at the beginning of the nozzle circuit.
- Once the fluid has been purged from the lines, leave the nozzles off through the winter to allow liquid to drain out.

OR in areas that do not have a long hard freeze:

Remove the nozzle tip from the 45° adapter on the end of each run and leave them off through the winter to allow liquid to drain out.

**NOTE: Winterizing is a great time to check and clean the nozzles.** For optimum performance, nozzles should be checked and cleaned several times a year. See nozzle cleaning instructions on page 11.

**NOTE: If you live in an area that does not freeze and you do not plan on performing a complete winterization process, the Cube should either be emptied, cleaned and turned OFF or kept agitating and running throughout the winter. If the liquid sits stagnate over several months, slime and bacteria can naturally grow in the tank. When the system starts up again, that slime will be drawn up into the suction filter, through the pump and out through the nozzle circuit causing clogging and possible damage.**

**WARNING: An overnight freeze can cause liquid in the pump and motor to freeze. If the system initiates a scheduled mist while the pump is frozen, the pump, motor and controller can be damaged. These damages are not covered under the warranty.**

## **WARRANTY**

Lovett Industries, LLC dba Pynamite warrants this Product, to be free from defects in material and workmanship as follows:

- For a period of one (1) year from the date of purchase (whether actual use begins on that date), Pynamite will repair or replace defective electronic parts with new or refurbished parts, at its option, at no charge. This warranty does not include labor or other costs incurred for diagnosing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts. Cube Pro systems are intended for use in the US. No exceptions will be made for systems outside the US. Additionally, warranty does not apply to Nozzles, Tubing, or Fittings.
- This warranty applies solely to equipment supplied by Pynamite and is in lieu of all other warranties, expressed or implied. No person, agent, dealer, or distributor is authorized or empowered to give any other warranty or to assume any other liability on behalf of Pynamite.

#### **Warranty Conditions:**

- This warranty is extended only to the original Purchaser and is nontransferable.
- A purchase receipt or other proof of date of purchase will be required before warranty service is rendered.
- Installation, use, care and maintenance must be normal and in accordance with instructions contained in the operating manual and Pynamite's service information. Failure to do so shall void this warranty.
- All claims for failure to conform to specifications or defects in material or workmanship under this warranty must be made promptly after discovery and, in any event, must be received by Pynamite not more than one year after the original purchase date.
- Pynamite reserves the right to inspect the equipment prior to any decision involving a warranty claim.

- Pynamite reserves the right to make warranted repairs at either the installed site or at Pynamite's location in Navasota, TX. If Pynamite opts for repair at its own location, Purchaser is responsible for shipping the item to Pynamite at Purchaser's expense.

**Manufacturer's obligation under the warranty shall not apply to:**

- Any equipment, which has been damaged by negligence, misuse, abuse, neglect and/or improper adjustment, water damage on electronics, misting products not labeled for misting systems or that contain Petroleum Distillates, accident, vandalism, acts of God, acts of war, whether declared or undeclared, improper application, or any other contingency beyond the control of Pynamite.
- Cosmetic damage
- Damage in transit
- Failures caused by products not supplied by Pynamite
- Failures, which result from faulty installation, set-up adjustments, improper operation, power line surge, improper voltage supply or damage from lightning
- Any equipment that has been repaired or altered without authorization from Pynamite or in a manner inconsistent with such authorization
- Normal wear on any item or piece of equipment
- Lost items

## LED LIGHTS

### POWER BUTTON

- Green Solid – System has Power
- Blue Solid - Bluetooth is Connected
- Green Flashing – Liquid Level is Resetting to 100%

### LIQUID LEVEL BUTTON

- Green Solid – Liquid Level is 100% to 25%
- Yellow Solid – Liquid Level is 24% to 11%
- Red Solid – Liquid Level is 10% to 1%
- Red Flashing – Liquid level is 0%

### MIST BUTTON

- Blank – Standby
- Red Flashing – Nozzles are set to 0
- Red Solid – Skip Next Scheduled Mist is Activated
- Aqua Blue Solid - Agitating
- Yellow Solid – Dumping Pressure
- Light Green Solid – Energizing Solenoid Valve(s)
- Green Solid – Misting
- Purple Flashing – Mist Saver Mode is Activated
- Purple Solid – Freeze Mode is Activated



Shop our Online Store: [www.mosquitoesinthemist.com](http://www.mosquitoesinthemist.com) View our informational installation videos at <https://www.MosquitoesInTheMist.com/catalog/videos.html>