



# **SolaMist<sup>TM</sup>**

**SOLAR POWERED MISTING SYSTEM  
US PATENT PENDING**

**OWNER'S MANUAL**

**TAX CREDIT: Your new SolaMist mosquito and insect misting system qualifies for a 30% federal tax rebate. This means that you will receive a 30% tax credit for the entire purchase amount. Go to [www.RemingtonSolar.com](http://www.RemingtonSolar.com) and click on “Tax Rebate” for details.**

Your new SolaMist mosquito and insect misting system includes:

- SolaMist “egg shell” main unit
- SolaMist control unit (pre-installed on the main unit)
- Solar panel with 10 foot cord and bracket
- 90 feet tubing
- 20 tube clips
- 20 spray nozzle tips
- 20 tube nozzle tees
- 1 T-connector (for splitting the black fluid hose)
- 1 coupling (clear tubing to black tubing connector)
- 2 end cap nozzles
- 1 Instant remote
- Battery
- Pump assembly (with 4 stainless screws)
- 1 wall charger



Main Accessories.

### IMPORTANT!

Your SolaMist needs to be in the shade to keep the battery cool. You may order a solar panel extension cord at [www.RemingtonSolar.com](http://www.RemingtonSolar.com) if this is not possible.

Also, your SolaMist needs to charge for a full day before use. SolaMist is battery powered when charged from the solar panel. You may also use included charger as well if you don't want to use the panel.

Use only our special formulated all natural SolaMist Pro Concentrate. Other brands concentrates may clog nozzles. Use the SolaMist app to reorder and see updated list of approved concentrates.

Get the Owner's Manual by going to [RemingtonSolar.com](http://RemingtonSolar.com) and click on the "Help Menu".



**KEEP YOUR WARRANTY...BETTER READ THIS!**

**READ FIRST! IMPORTANT: WINTERIZATION**

Freezing can damage the tubing, nozzles, pump, and unit. Disconnect your unit from the tubing and store it in an enclosed environment during winter months. At the end of the season, empty your SolaMist unit. Pour approximately one gallon of environmentally safe windshield washing fluid into the unit. Run the unit in one-minute bursts until the unit has used most of the liquid. *Failure to do this procedure will void the warranty.*

**QUICK START GUIDE**

Your new SolaMist mosquito and insect misting system is the most advanced and easy-to-use system on the market. Your SolaMist system does have an optional plug-in charger.

The controller inside your SolaMist unit is designed to stay on. It's a good idea to turn it off for the winter months and turn it back on in springtime. Just remember to give the battery a full charge by connecting it to the solar panel for at least 4 hours before using. It's easy to reset your schedule any time. Like all lithium batteries, it is also a good idea to perform battery maintenance periodically during the off season by charge it once in a couple of months.

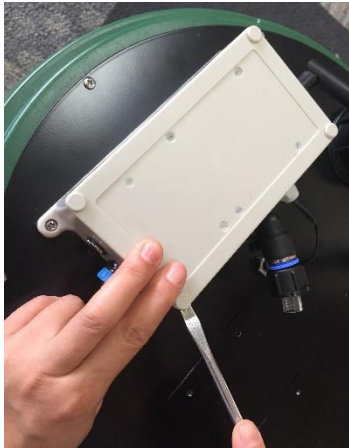
## Now Let's Put It Together:



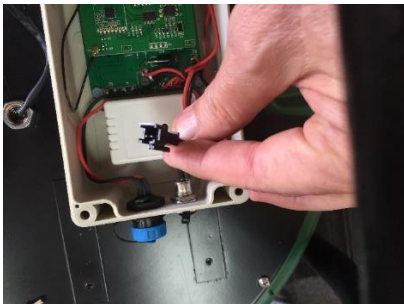
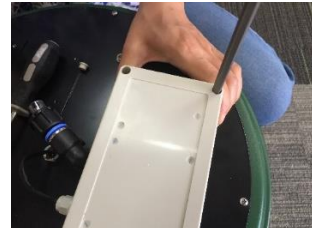
This is what you see when you take it out of the box. The cream colored box is the controller unit. Inspect to make sure there is no damage. If there is, please contact [support@remingtonsolar.com](mailto:support@remingtonsolar.com) right away.



The control unit. The switch has to be "On" for the smartphone app to work. So make sure you check that.

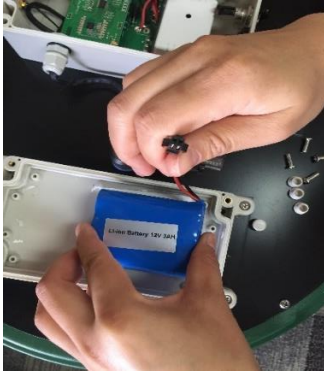


Battery is included but NOT preinstalled. To install battery, gently pry open the plugs on four corner to reach the screws that secure the top part of the controller to the base.

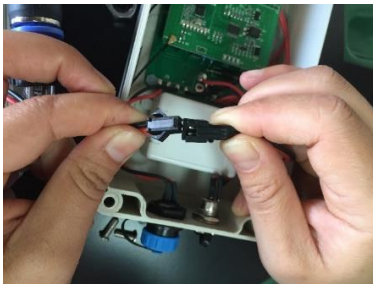


Inspect the the plug for the battery to make sure the two metal prongs are in good shape.

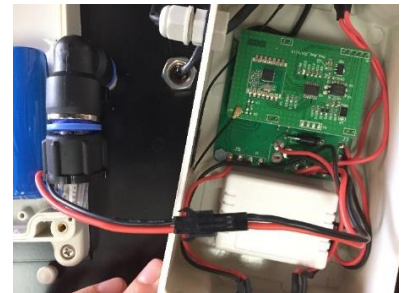




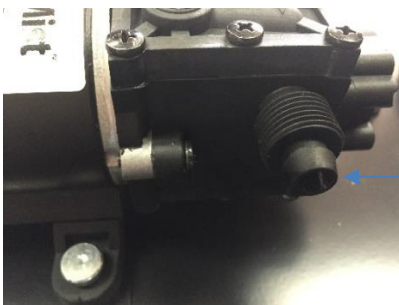
Plug in the battery and secure the battery onto the base to keep it in place by using the two sided mounting tape.



The male and female plug of the battery has to be connected correctly. Check all connections to make sure they are all secure. Screw the cover back on the base and replace the screw hole plugs.



To install pump, you will need to secure the four rubber feet into the main unit first by using the included bolts.



Peel off the protection covers on both intake and outtake end of the pump first.



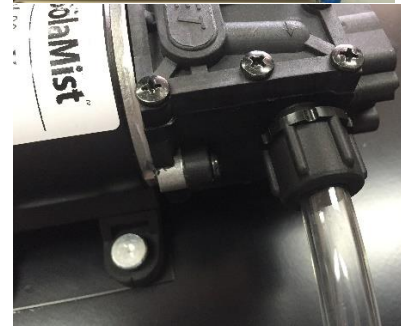




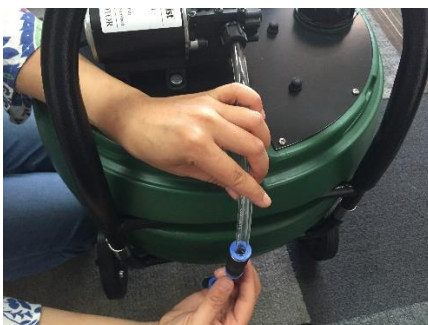
Push the clear tube onto the intake end tightly and screw in the black nut to secure.



Same method to connect the outtake line.



Plug the power cable onto the controller. Screw in the blue connecting nut.



Connect the pressure regulating tube, the small black tube included in the pump assembly.



## To set up the network.

Note: Study the layout and condition of the bug free zone you want to create. Two things to remember:

1. The green egg should preferably be left in a shady area, out of directly sun to keep the lithium battery healthy.
2. The hub and the main unit need to be within 200 feet of each other.



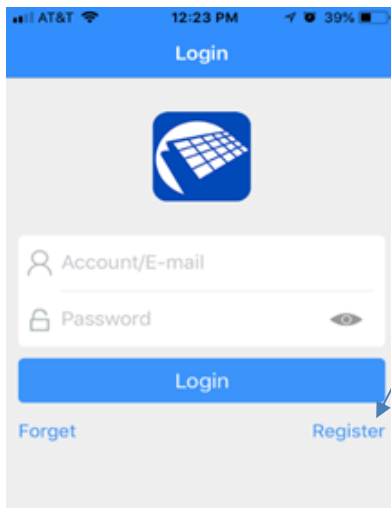
Start with connecting the Hub to your internet router using the provided cable and power. When it is properly connected, power indicator light and internet connection light should stay steady bright blue. If one of them is flashing red, unplug the power of your router and controller, wait for 10 seconds and plug them back in to help bypass the firewall.

Download the APP on your smartphone from either iTunes, or Google.

Search for “SolaCom”

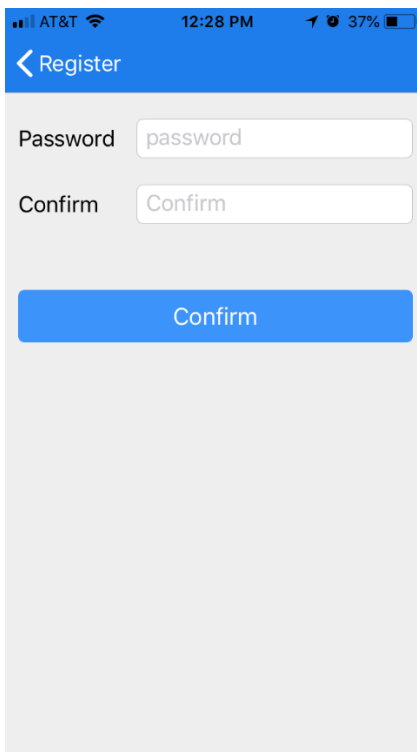
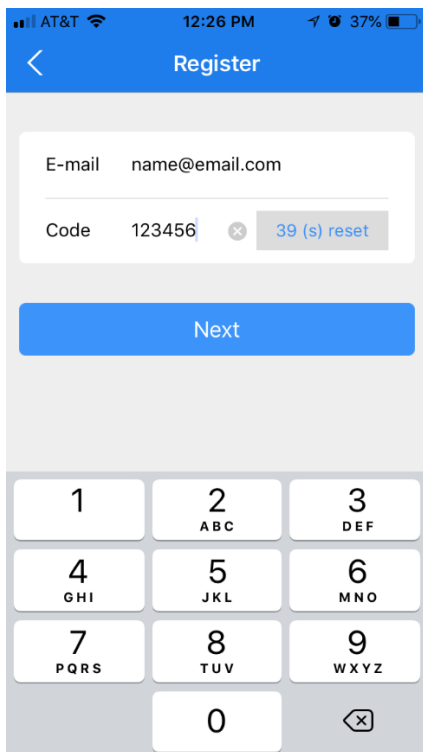
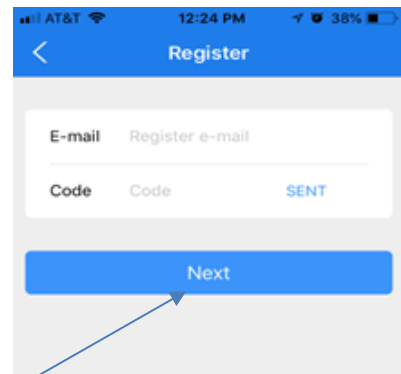


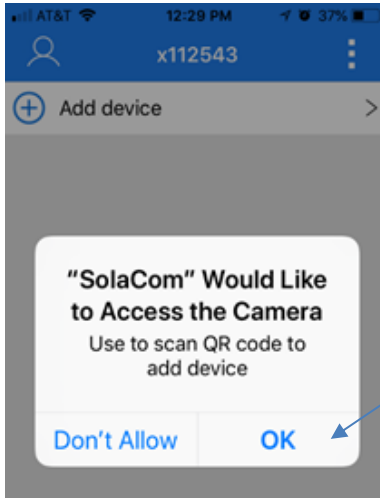




After you download the app, the first time you open it, "register" your account first.

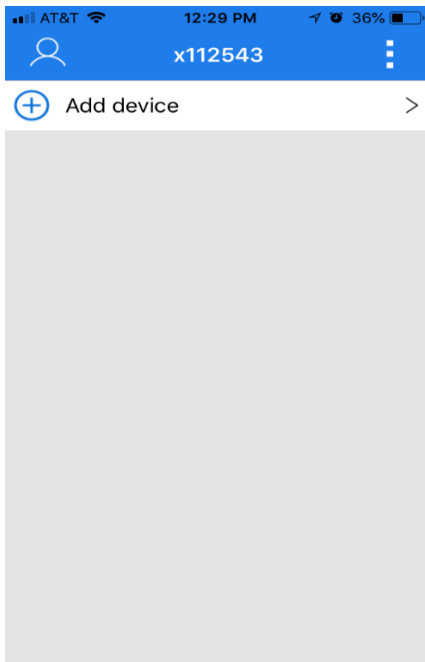
To register, you will need to enter your email address and then click "Sent". You will get an authentication code sent to the email you put in. Type in the code and click "Next"



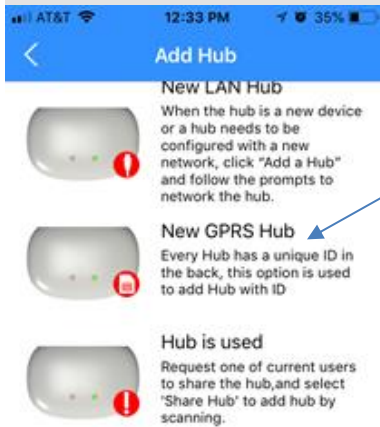


Set your password and "Confirm". You will see this screen.

Click "OK" to activate the QR scanner in the app.



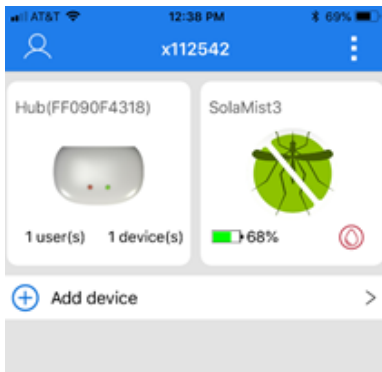
This the next screen you will see, click "Add device", a scanner view window will open, scan the QR code on the back of your hub.



You can add the hub by either scan the QR code, or, select "New GPRS Hub" then type in the serial number below QR code.



Now you need to pair the Hub to the controller. Once the Hub is added, a new window will let you add a device, select “scan QR code or barcode” to scan in the QR code on the controller, which is located on the side of the controller unit on the egg.

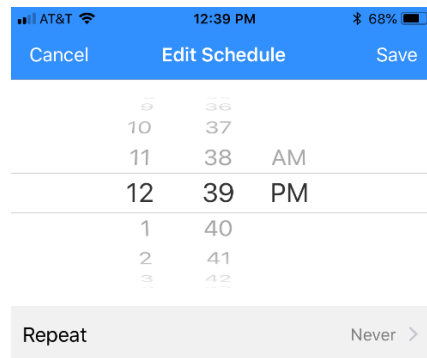
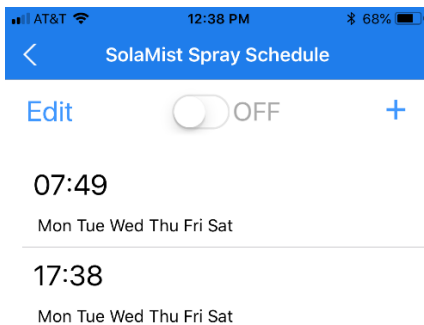


This screen is what you should see now.

To set schedule, touch the green “SolaMist3” icon.

You can see the battery indicator and a flashing low fluid icon. The flashing droplet will disappear once you fill up the tank.

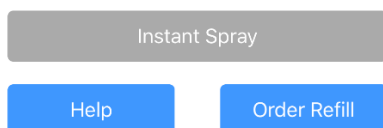
Note, after you fill the tank, turn the power switch on the controller off and on once to refresh and make sure it is in “On” position. Then refresh the app to turn of the warning.



You can now set the schedule like you would with an alarm clock on your phone.

“Save” the schedule, turn the system to “on” in your app. You are good to go.

Note: The power on the main unit controller has to remain “on” at all time for the app to work.



## **IMPORTANT NOTES ON SCHEDULING:**

- 1. You will not be able to set schedules unless the app is connected and reading the SolaMist**
- 2. SolaMist only sprays when you schedule a time to do so. You can program when you want SolaMist to spray as many times as you want during the day. Then you set which days you want to spray at that time. (The older versions would spray 3 times after a single time setting. That has been changed. If you want it to spray, you have to set a time to do that. Then ADD each spray time one at a time into your app.**

## **HOW TO INSTALL THE SYSTEM**

- 1. INSTALL THE SOLAR PANEL**



Fig. 1

Place your solar panel in a sunny place with the panel angled towards the maximum angle of the sun. It should only require about 4 hours of light to get a full charge, even in a cloudy day.

If you prefer to mount the panel farther away from your unit, longer extension cords are available in the SolaMist online store by going to [RemingtonSolar.com](http://RemingtonSolar.com))

Plug the solar panel into the control unit.



Fig. 2

- 2. CONNECTING THE TUBING**

Find the adapter that press fits onto the short black tubing coming out of the pump. Push that on. (NOTE: It



Fig. 3

may already be installed when you receive your SolaMist.

You can remove tubing from nozzles by pulling the blue ring back.



Fig. 4

Take the end of your long tubing and press fit it into the other end of the adapter. Start cutting your tubing where you want the nozzles to start.

In the future, whenever adding or changing tubing or taking you SolaMist on the go, disconnect from connector (Fig. 4).

### 3. INSTALL NOZZLES

First, we recommend you decide what area you want to make bug-free. You also need to consider where you put your unit, and where you put your solar panel so that it will catch the most sun. Your panel has to be in the sun for about 4 hours every day to give the battery a full charge. However, your unit will only run for a few minutes a day (at the most), so you shouldn't have to worry about running out of power.

Once the location of the main unit and panel is decided, you can then lay out the tubing in a general path where you want your spray zone. You will probably want to conceal the tubing as much as possible, but giving the nozzles clearance to spray. Laying out the tubing first will let you know roughly how much tubing you need to work with. You may want to go vertical up to a tree, fence, or porch trim. You only have to put nozzles where you want the spray to be. So you may not put a nozzle on the first few feet or so. Preferably, you want the nozzles to be at least 5-6 feet off the ground.

You will be cutting the tubing and adding nozzles in between. We recommend that you space the nozzles 3-6 feet apart. Use sharp scissors to cut through the tubing where you want a nozzle. Simply press fit the ends in, and push the nozzles in to the top.

**IMPORTANT:** Make sure the little screw on top of all the nozzles are screwed in tightly to the body of the nozzle.

The SolaMist pump is powerful enough for you to use all 20 nozzles on 90 feet of tubing. However, if your spray zone does not require so many nozzles like that of a balcony, we recommend you adjust the length according to your need. You may also go to SolaMist store through your app or online to [www.RemingtonSolar.com](http://www.RemingtonSolar.com) to purchase additional panels and extra kits if necessary.

**NOTE:** There is one T-fitting that allows you to split your tubing and go into two different directions. There is only one T-fitting. This fitting will allow for tubing to fit into each hole. (A nozzle will not fit into that particular fitting. That's how you can tell which one it is.)

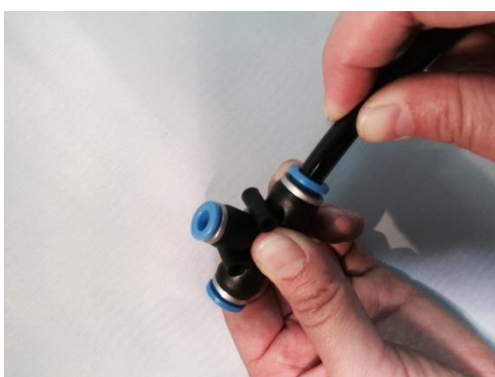


Fig. 5

There is a small blue band around each connector. Pull that back, and insert tubing.



Nozzles tips simply press fit on the top. Push them all the way in and make sure the tip on the end is screwed in snugly by turning clockwise.

Use the provided screw clips to attach tubing on wood material like trees, fences, or trim.

Tip: Install the nozzles before you screw in the tube will make the job a lot easier.





Fig. 6



Fig. 7

Adjust the nozzles after the tube is installed to get your desired spray angle.

## SOLAMIST PRO CONCENTRATE

- **IMPORTANT:**  
Add the concentrate first, then fill the water to fully mix.
- **IMPORTANT:**  
SolaMist Pro Concentrate is formulated for the SolaMist mosquito and insect misting system only. With proper maintenance, should keep the nozzles clog free.

NOTE: SolaMist Pro Concentrate is a non-toxic environmentally friendly pesticide. In national tests compared to other misting concentrates, however, SolaMist Pro Concentrate is shown to be the most effective at actually killing mosquitoes, gnats, wasps, spiders, and roaches.

How long with my concentrate last?

NOTE: Most other mosquito systems are designed without real regard to conserving misting concentrate, especially the larger 55 gallon systems. (Guess why that is!) SolaMist is designed to allow you the flexibility to use the system only when you

need it, and where you need it...thus managing your SolaMist Pro concentrate expenses. You may order refills by going to our website at [RemingtonSolar.com](http://RemingtonSolar.com). You may also purchase online. Light use will last you estimated 8 to 12 weeks. Heavy use will last 4 to 6 weeks.

One of the greatest benefits of using the SolaMist system is that you control your usage and costs. It is not uncommon for other misting systems to cost \$150-200 per month to run. With SolaMist, your costs can be a fraction of that, depending on when and how you use your system.

## **TROUBLE SHOOTING**

The SolaMist system is designed to be a set and forget trouble-free experience.

We recommend you winterize your system by running about a gallon of environmentally safe windshield washing fluid through your system when the first cold snap comes in. Also, you may extend your battery life by keeping the unit out of the freezing weather, such as a garage or storage unit.

You need to let your SolaMist charge at least one full day in the sun.

SolaMist Concentrate refills can be purchased through the app.

Additional troubleshooting information is available by clicking on the HELP button on your SolaMist app.

If you would like an additional solar panel with tubing and accessories (as a separate portable kit), you may go to [RemingtonSolar.com](http://RemingtonSolar.com).

Warranty and Registration information available through the smart phone apps.

Manufactured by:

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214-257-8300  
[support@remingtonsolar.com](mailto:support@remingtonsolar.com)