

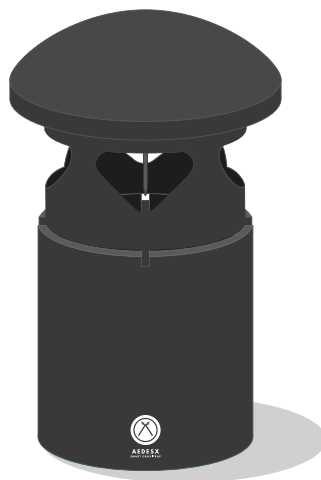


AEDSX SMART GRAVITRAP

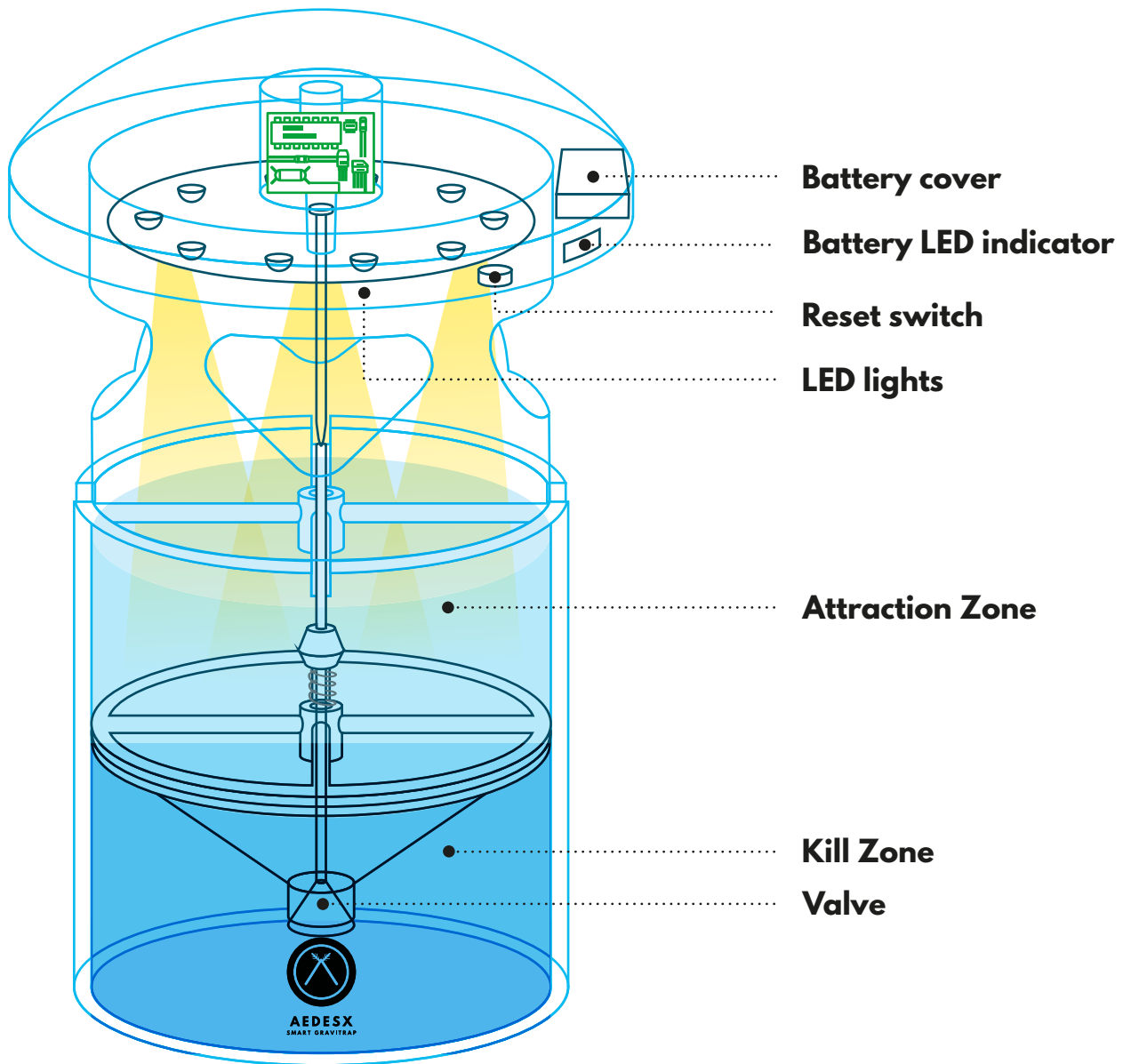
User Manual

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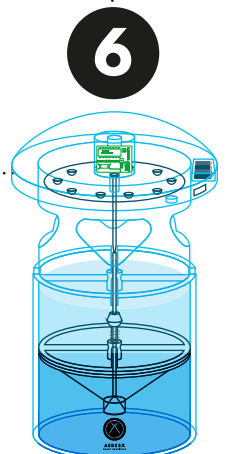
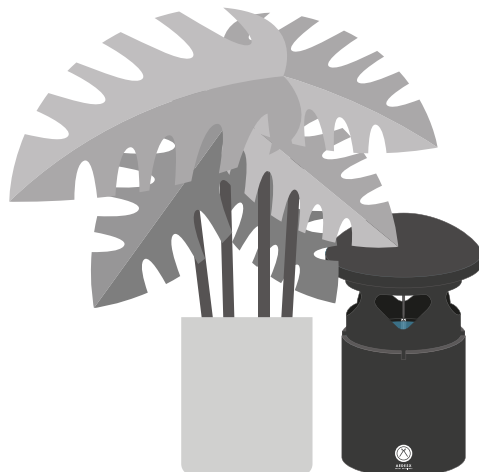
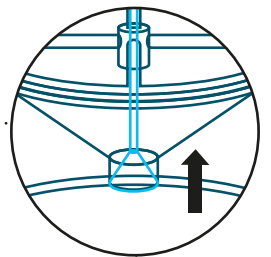
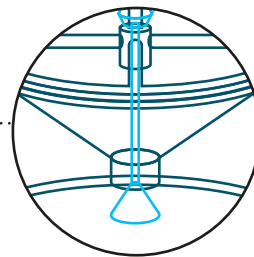
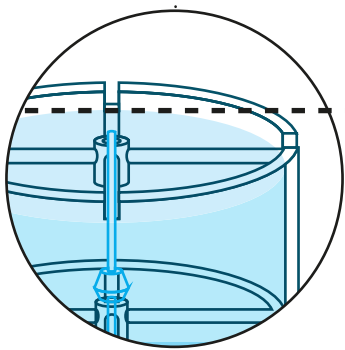
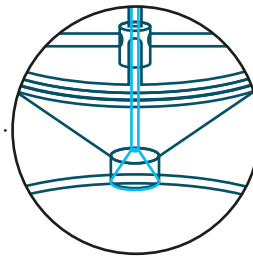
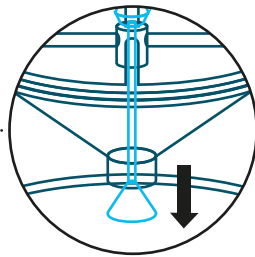
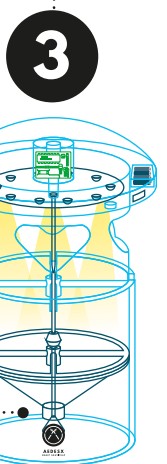
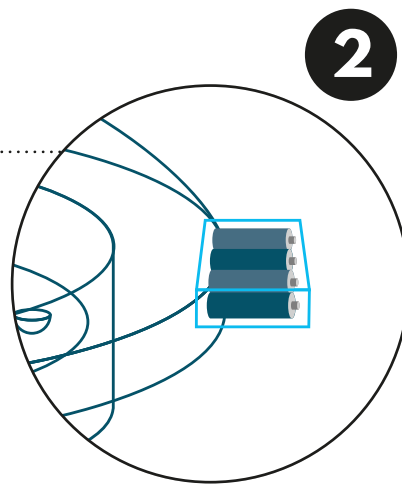
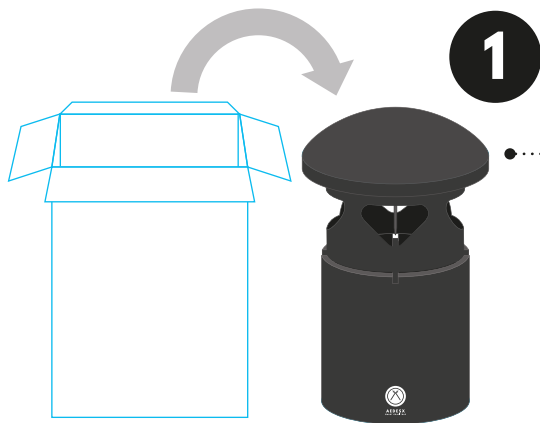
Product Description



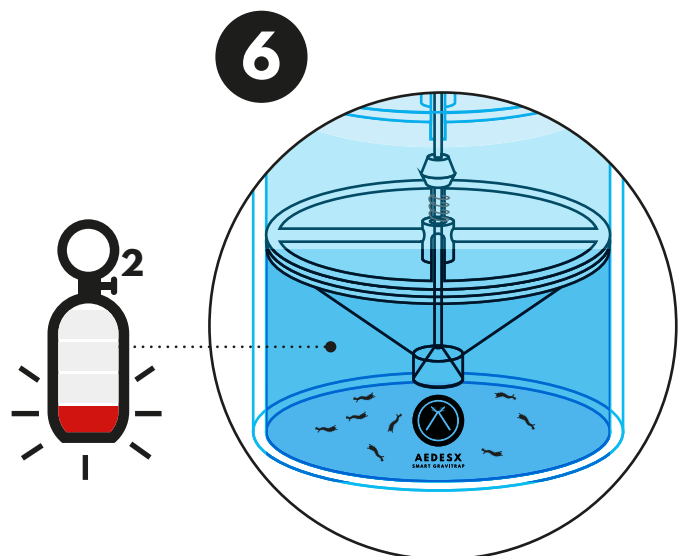
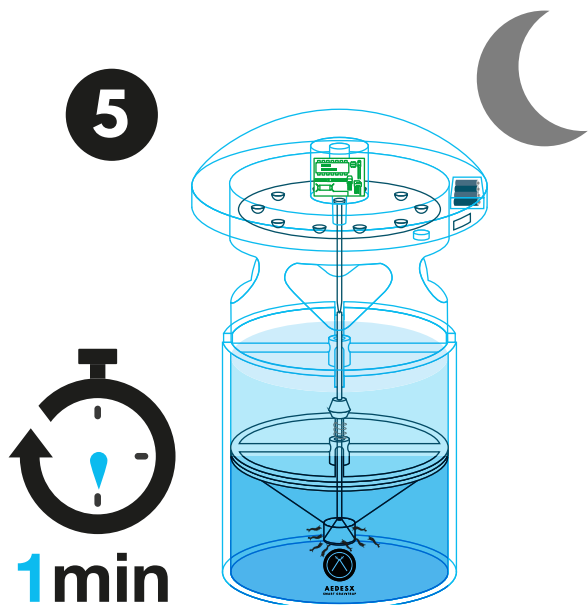
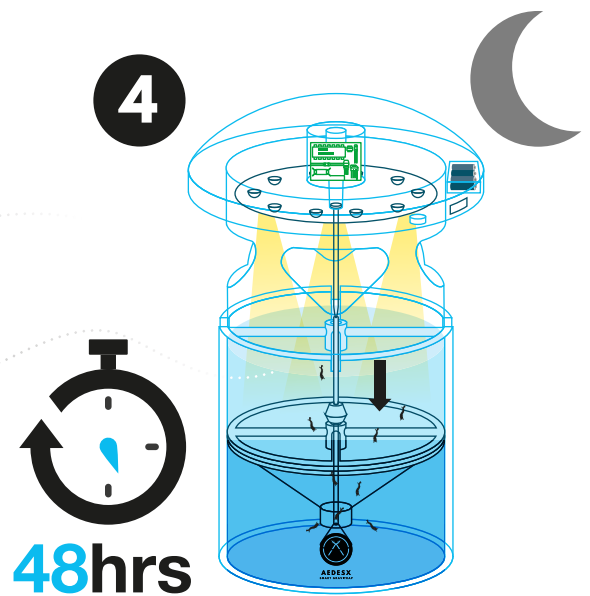
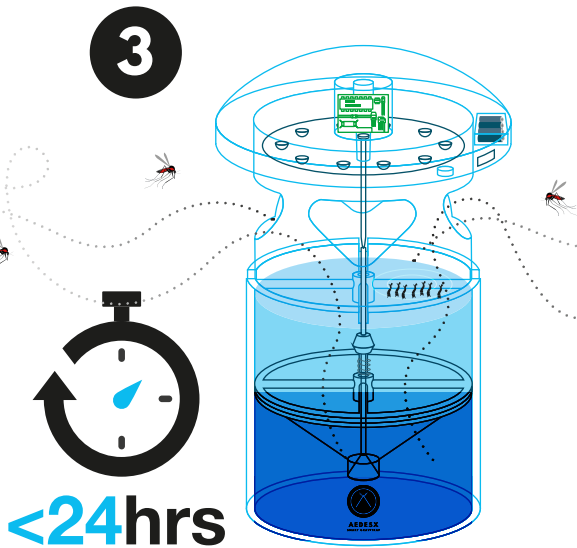
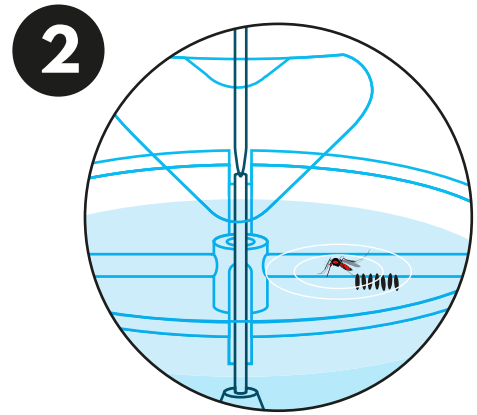
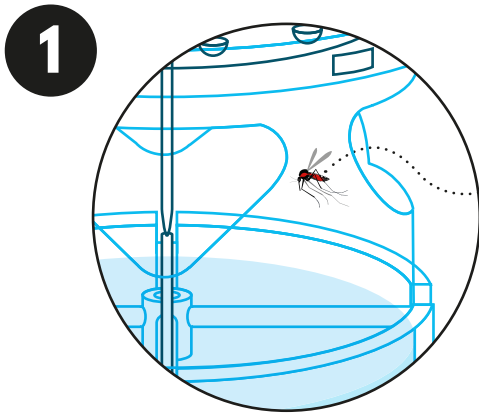
What you need to know:

- Power** : 4 x AA Batteries
- Reset Switch** : Press and hold for 5 seconds to manually trigger Operation Cycle. Tap quickly to check Battery LED Indicator.
- Battery LED Indicator** : Blue LED lights up if sufficient power. Blue LED blinks if low power.
- Typical Battery Life** : 3 months
- Operating Temperature** : 0°C to 50°C

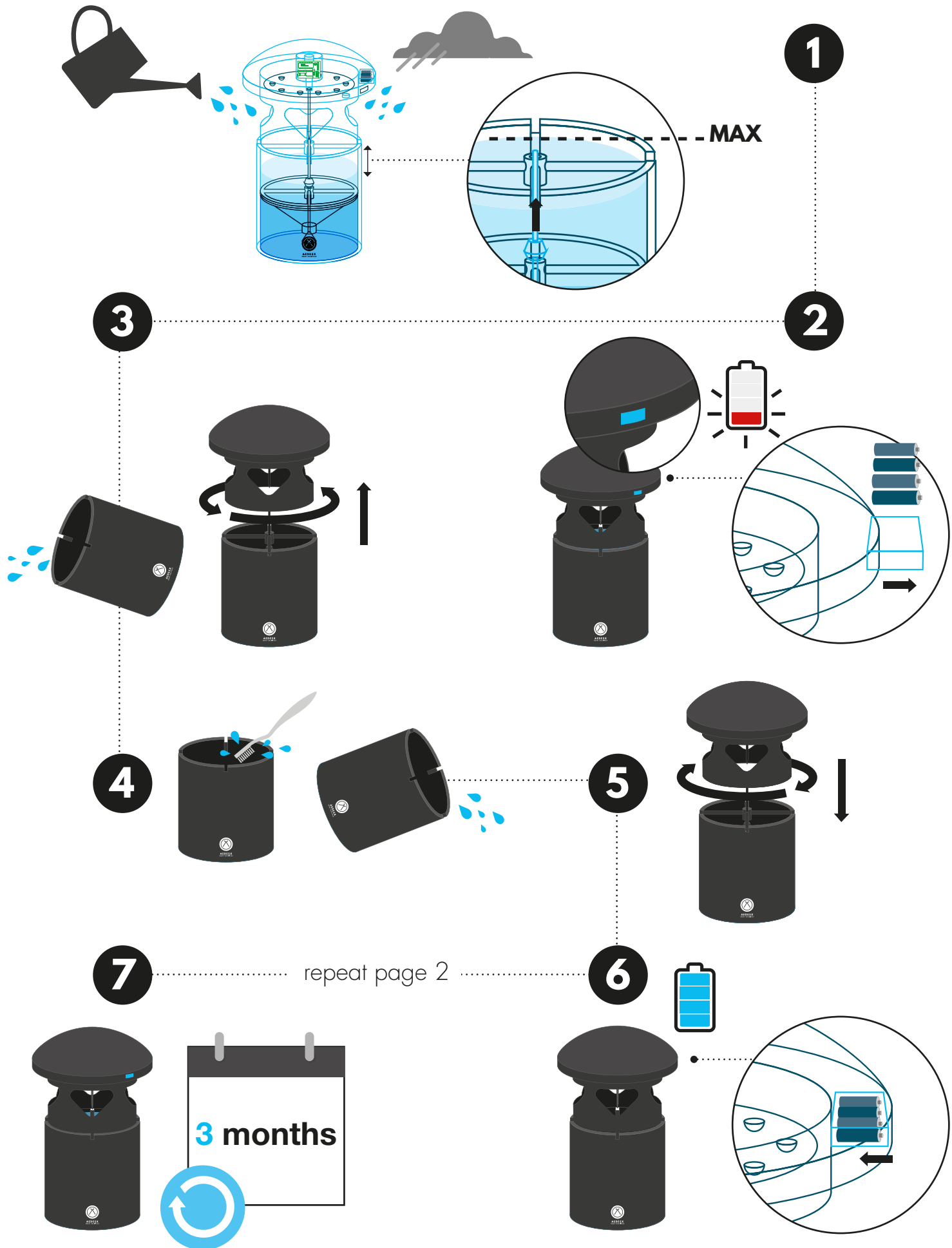
How To Setup



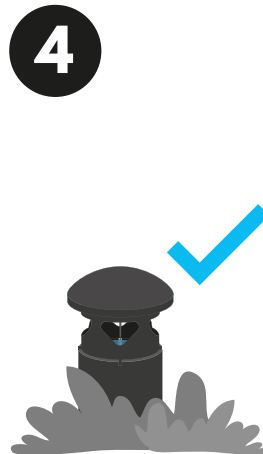
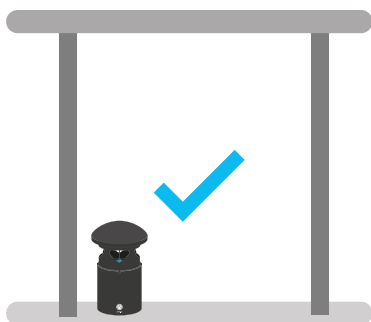
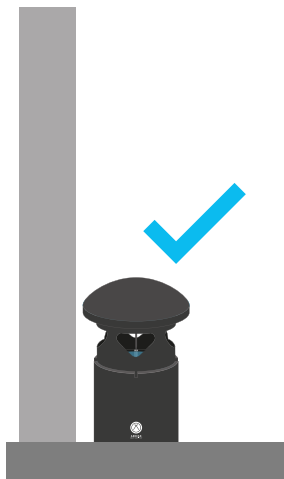
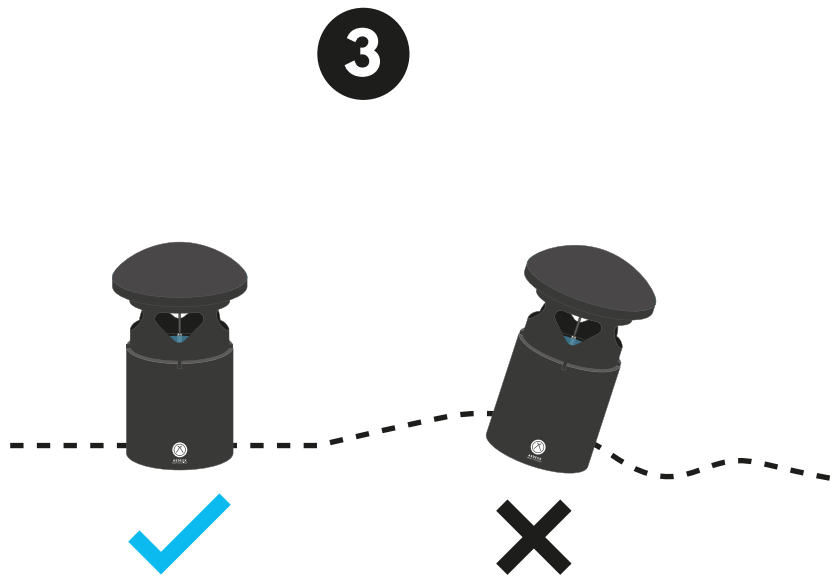
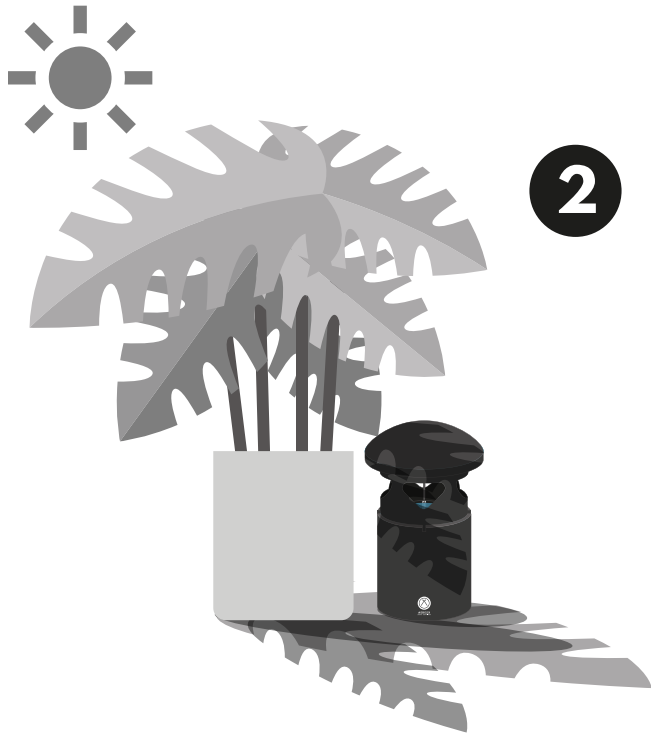
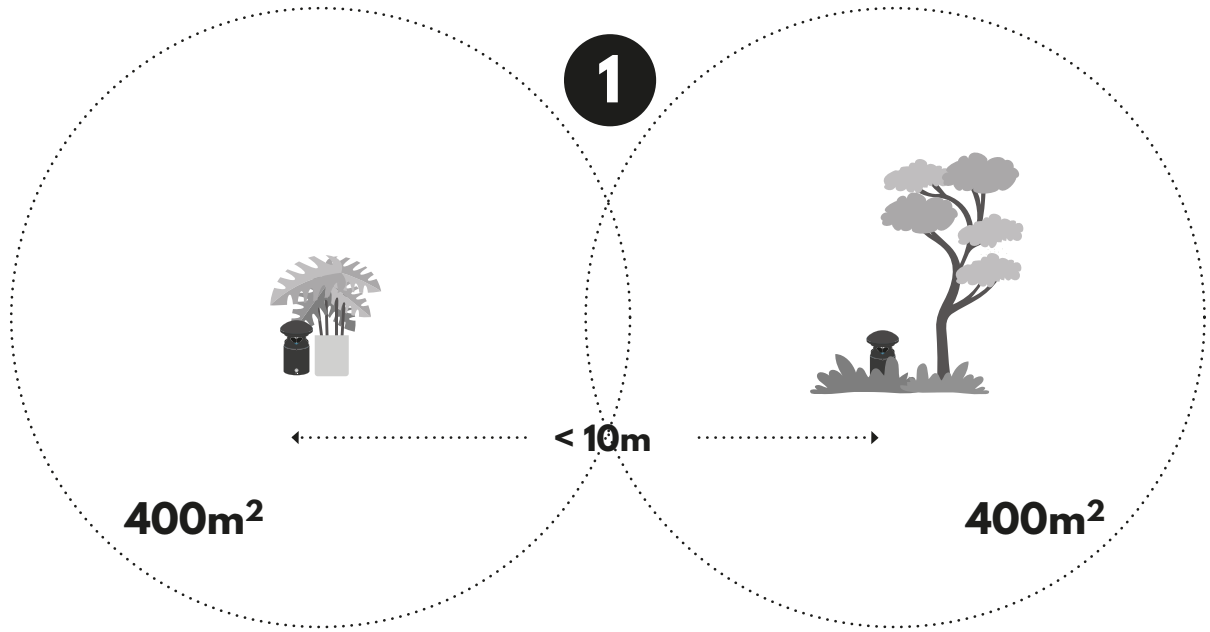
How It Works



Maintenance



Recommended Strategy/Placement



Frequently Asked Questions

A: Setting Up

1. Which type of power plug and socket do I need for my AedesX Smart Gravitrap unit?

Answer: You do not need to plug for power supply. AedesX unit requires only four AA batteries.

2. How do I prepare AedesX Smart Gravitrap for first-time use?

Answer: First, unbox your AedesX unit. Second, place four new AA batteries into the battery compartment – this will start first Operation Cycle for one minute. During this cycle, fill up both Attraction Zone and Kill Zone with aged water until full while the valve is open. Third, after first Operation Cycle, deploy your AedesX unit.

3. The AedesX unit immediately operates and turns on after I inserted new batteries. Is it expected?

Answer: When new batteries are inserted, it will start first Operation Cycle automatically to ensure users fill up both Attraction Zone and Kill Zone with aged water before deployment.

4. How and where should I place my AedesX Smart Gravitrap units?

Answer: We recommend placing one unit of AedesX in every 400m² area or 10 linear metres apart. Depending on the site and mosquito population, you may choose to customise the number of AedesX units deployed at your site, based on your mosquito management strategy. The most optimal position is the one that mimics, or is the nearest to common breeding and resting habitats of mosquitoes. This is to divert female mosquitoes to lay eggs inside Attraction Zone of your AedesX unit.

Frequently Asked Questions

B: Operation

1. What is the frequency of the Operation Cycle of AedesX Smart Gravitrapp?

Answer: The Operation Cycle repeats every 48 hours at night.

2. I would like to manually trigger an Operation Cycle. How do I do that?

Answer: To manually trigger an Operation Cycle, simply press/place your finger at the Reset Switch located next to battery cover for 5 seconds.

3. How does an Operation Cycle work?

Answer: Every 48 hours at night, an Operation Cycle will initiate. The valve in Kill Zone opens while the specially-curated LED lights turn on, forcing mosquito larvae in Attraction Zone to dive downwards via negative phototaxis through the valve into Kill Zone. After one minute, Operation Cycle ends, the valve closes and the lights turn off – trapping the mosquito larvae inside Kill Zone. As there is limited to zero oxygen in the Kill Zone, mosquito larvae will die of asphyxiation.

4. I would like to inspect the Kill Zone for dead mosquito larvae. Is it possible?

Answer: Yes. To access the Kill Zone, just gently unscrew the bottom compartment (Kill Zone), off the funnel (Attraction Zone) and top compartment (LED lights). Expect some water to spill as you open the compartment to inspect inside. After your inspection, make sure the Kill Zone is screwed back to the unit securely and firmly to ensure that there is no water or oxygen leakage.

5. I would like to add pesticides or glue linings inside my AedesX unit. Is it a good idea?

Answer: Our goal in AedesX is to provide effective solutions to battle mosquitoes and mosquito-borne diseases. The basic version of AedesX aims to kill mosquito larvae via asphyxiation, so we welcome pest management professionals to customise their AedesX units as deemed strategic to their mosquito management programme. Please ensure that the intended pesticide and other tool additions are compliant to local pesticide regulations. In addition, ensure that only non-repellent pesticides are used, as this will affect the attractiveness of the AedesX unit to female mosquitoes to lay eggs.

Frequently Asked Questions

C. Maintenance

1. What should I do to my AedesX unit for the next three months?

Answer: Nothing. You can inspect your AedesX unit at your convenience throughout the three-month duration. If you find that the water level in Attraction Zone is low, simply top up with water, ideally aged water.

2. Should I be concerned if I see some leaves and twigs inside the Attraction Zone when I inspect my AedesX unit?

Answer: AedesX is designed to limit any obstruction entering vertically, such as falling leaves and twigs. However, if you do still find small amount of leaves and twigs inside the Attraction Zone during your inspection, please remove the debris so that it will allow the valve and LED to automate smoothly during the Operation Cycle.

3. How do I check for battery status of my AedesX unit?

Answer: To check for battery status, simply tap the Reset Switch quickly with your finger. The battery LED indicator will flash blue continuously if there is sufficient power in your batteries. If the batteries are low, the battery LED indicator will blink instead – this is when you should change your batteries.

4. What should I do when the battery LED indicator blinks?

Answer: The blinking indicator means that it is time to change to new batteries. Before you begin, open your AedesX unit to remove the water from Attraction Zone and Kill Zone first. Depending on the condition, you may need to clean the unit by gently wiping or scrubbing on inner and outer surfaces. Next, reassemble your AedesX unit and then replace with new batteries. This will automate its first Operation Cycle for one minute to allow refill of water in both Attraction Zone and Kill Zone.

Help

Contact Us for More Info



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