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AQUA CONTROL C4067

Aqua Control C4067 Programmable Autonomous Irrigation Set

User Manual



INTRODUCTION

This Aqua Control C4067 autonomous irrigation set provides an independent watering solution for your plants, ideal for periods away from home. It operates without a direct tap connection, utilizing a built-in pump and a programmable timer. The system is designed for automatic drip irrigation and can be powered by its internal rechargeable battery or an external power bank.

PRODUCT COMPONENTS

The Aqua Control C4067 set includes the following components:



Image: All components of the Aqua Control C4067 irrigation set.

- **Programmer and Pump Unit:** The central control unit for setting irrigation frequency and duration.
- **Bottle Adapter:** For connecting the system to a standard water bottle.
- **Hanging Support:** To secure the programmer unit.
- **Drip Emitters (10 units):** Deliver water directly to plant roots.
- **Stakes (10 units):** To hold drip emitters and microtube in place.
- **T-Connectors (10 units):** For branching the microtube to multiple plants.
- **Microtube (10 meters):** The main hose for water distribution.
- **USB Charging Cable:** For recharging the internal battery or connecting a power bank.

SETUP INSTRUCTIONS

Follow these steps to set up your Aqua Control C4067 irrigation system:

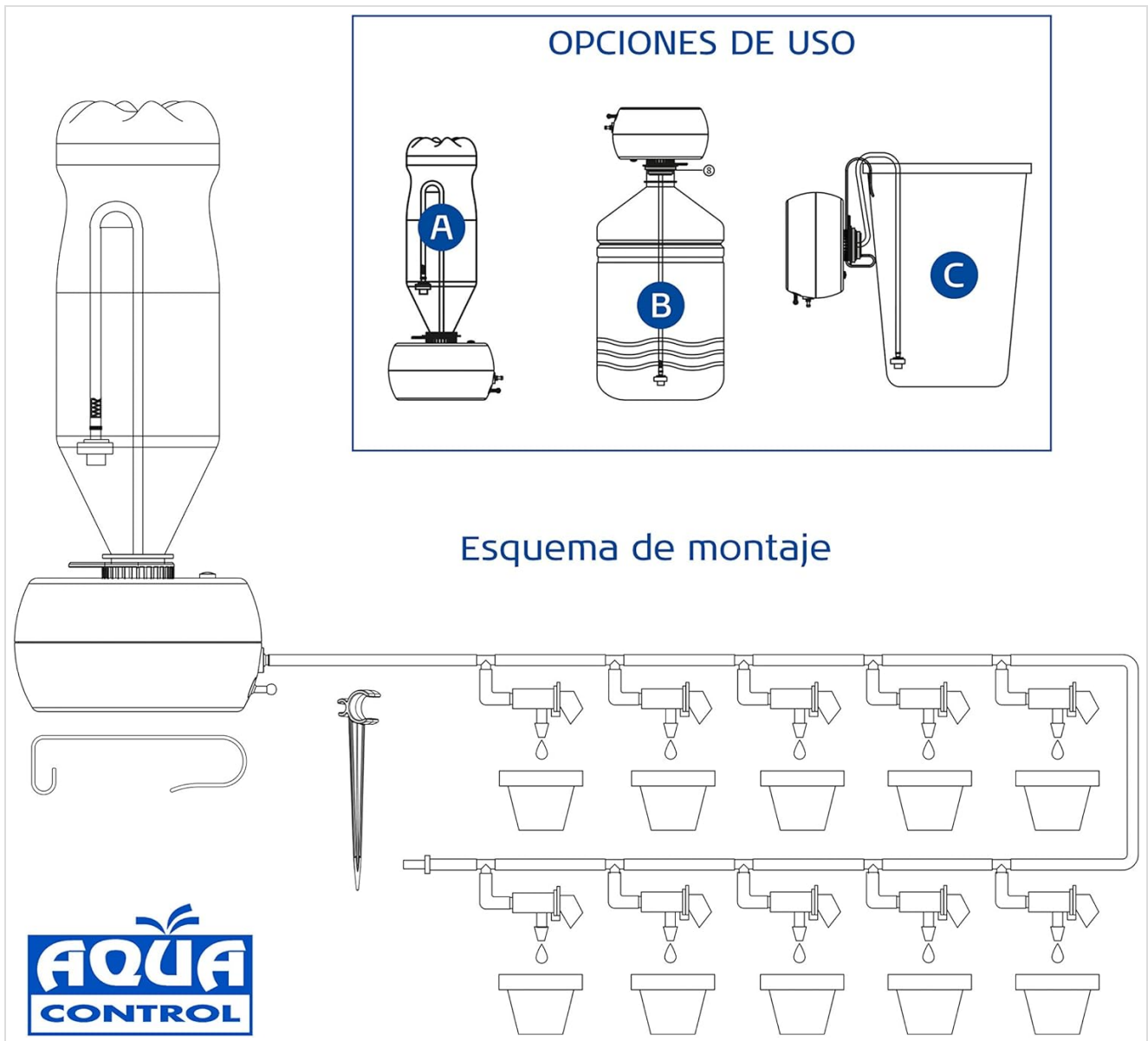


Image: Assembly diagram for the irrigation system.

1. **Prepare Water Source:** Connect the suction hose to the pump unit. Place the filter end of the suction hose into your chosen water reservoir (e.g., a water bottle using the provided adapter, or a cistern). Ensure the filter is submerged and clean.
2. **Connect Microtube:** Attach the 10-meter microtube to the pump's water outlet.
3. **Distribute Water Lines:** Route the microtube to your plants. Use the T-connectors to create branches for individual plants. Cut the microtube to the desired lengths for each branch.
4. **Install Drip Emitters:** Insert a drip emitter into the end of each microtube branch, positioning it near the base of the plant.
5. **Secure Components:** Use the provided stakes to secure the microtube and drip emitters in place, preventing dislodgement.
6. **Position Programmer:** Place the programmer unit in a stable location. While designed for outdoor use, protecting it from direct heavy rainfall can prolong its lifespan.



BOMBA Y PROGRAMADOR TODO EN UNO

Image: Example of the irrigation system set up with a water bottle and potted plants.

OPERATING INSTRUCTIONS

The Aqua Control C4067 features a programmable timer for automatic watering. Follow these steps for programming:



> Úsalo donde quieras.
NO necesita grifo.

> Utiliza la cisterna del baño como opción para tener siempre agua

> Con batería de litio incluida
(aprox 100 minutos de funcionamiento por carga)

> Carga ampliable mediante
Batería Externa (opcional)

Image: Close-up of the programmer unit showing frequency and duration dials.

Programming Automatic Watering:

1. **Connect Power:** Plug in the USB charging cable to the programmer unit. This ensures stable power during programming.
2. **Set Dials to OFF:** Ensure both the "Frequency" (left dial) and "Duration" (right dial) are set to the "OFF" position.
3. **Activate Programming Mode:** Press and hold the button located below the LED indicator. The LED will first flash rapidly, then slowly. This indicates the unit is ready for programming.
4. **Set Frequency:** Rotate the left dial ("Frequency") to select your desired watering interval (e.g., 12H for every 12 hours, 24H for every 24 hours, or weekly options).
5. **Set Duration:** Rotate the right dial ("Duration") to select the desired watering time per cycle (e.g., 0.5 minutes, 1 minute, up to 10 minutes).
6. **Confirm Settings:** The LED will flash rapidly for approximately 2 seconds to confirm that the settings have

been saved. After this, it will resume flashing slowly, indicating that the system is now operating according to your program.

7. **Do Not Adjust:** Once programmed, avoid touching the dials. The programmer will initiate its first watering cycle based on the set duration.
8. **Reprogramming:** If you need to change the watering schedule, you must restart the programming process from step 1.

Manual Operation:

To initiate a manual watering cycle, press the button below the LED once. The pump will activate for a single 15-minute watering cycle. Press the button again to stop the manual cycle prematurely.

Battery and Charging:

The unit is equipped with a 3.7V, 600mAh lithium-ion battery, providing approximately 100 minutes of operation on a full charge. For extended use, especially during longer periods away, the system can be connected to an external power bank using the provided USB charging cable.



Image: Programmer unit connected to an external power bank for extended operation.

MAINTENANCE

Proper maintenance ensures the longevity and efficient operation of your irrigation system:

- **Water Reservoir:** Regularly check the water level in your reservoir and refill as needed. Ensure the water source is clean to prevent clogs.
- **Drip Emitters and Tubing:** Periodically inspect all drip emitters and tubing for any clogs, kinks, or damage. Clean emitters if water flow appears reduced.
- **Filter Cleaning:** The suction filter should be cleaned regularly to prevent debris from entering the pump.
- **Battery Care:** Charge the internal battery regularly, especially if the unit is not continuously connected to a power source. Avoid completely draining the battery for extended periods.
- **Environmental Protection:** While the unit is designed for outdoor use, protect it from extreme weather conditions, such as heavy rain or prolonged direct sunlight, which can affect electronic components. Ensure the USB charging port remains dry.

TROUBLESHOOTING

If you encounter issues with your Aqua Control C4067 system, refer to the following troubleshooting guide:

- **System Not Starting or Watering:**
 - Ensure the battery is charged or an external power bank is connected and functioning.
 - Verify that the programming steps (refer to Operating Instructions) were followed correctly. Incorrect programming requires resetting and reprogramming from step 1.
 - Check the water level in your reservoir.
 - Inspect all hoses and drip emitters for blockages, kinks, or disconnections.
 - Ensure the suction filter is clean and not obstructed.
- **Inconsistent Watering or Uneven Distribution:**
 - Check for air in the suction line; ensure the filter is fully submerged.
 - Ensure all connections are secure and there are no leaks in the tubing.
 - Verify that all drip emitters are correctly installed and not partially clogged.
- **Battery Not Holding Charge:**
 - Confirm that the USB charging cable and the power source (e.g., wall adapter, power bank) are working correctly.
 - If the unit is older, the internal lithium-ion battery may have reached the end of its service life.
 - Avoid exposing the unit to excessive moisture, which can lead to internal corrosion and affect battery performance.

SPECIFICATIONS

Brand	AQUA CONTROL
Model	C4067

Material	Resin
Item Weight	656 Grams
Battery	3.7V, 600mAh Lithium-ion
GTIN/UPC	842637524067

WARRANTY AND SUPPORT

For specific warranty information regarding your Aqua Control C4067 irrigation set, please refer to the terms and conditions provided at the time of purchase or contact your retailer directly. For technical assistance or further support, please reach out to the manufacturer or your product supplier.

