

Flinn Mini Magnetic Stirrer Owner's Manual



Please read and adhere to all recommendations in this manual to ensure the best experience and to maintain your magnetic stirrer in good working order. This owner's manual is for the following model: AP8503.

Unpacking, Assembly and Storage

1. The magnetic stirrer and accessories have been carefully packed to assure they reach you in the best possible condition. Retain the packaging in case you need to transport, store or return the magnetic stirrer. If it becomes necessary to ship the magnetic stirrer for any reason, pack it in the original packaging and then in another box, secured for transport. Inadequate shipping may result in damage to your magnetic stirrer.
2. Lay the molded magnetic stirrer container with the top facing you. Remove the top piece and inspect the contents. Each magnetic stirrer comes with the following:
 - a. Power cord
 - b. Magnetic stirrer
3. Connect the included power supply to the device.
4. Store magnetic stirrers in a dry, clean place away from direct sunlight.

Description of Components *(Refer to diagram.)*

1. Mini Magnetic Stirrer: Unit includes five buttons; On/Off, Timing, Mode/Up Arrow, Rev/Down Arrow, Start/Stop. Bed of magnetic stirrer is approximately $4\frac{1}{2}'' \times 4\frac{1}{2}''$.
 - a. On/Off Button: Powers the stirrer on and off.
 - b. Timing Button (00:30–90:00): Default time of 10 minutes. Adjust time in minutes and seconds using up and down arrows.
 - c. Mode/Up Arrow: Change stirring option from forward and reverse mode to one-way mode.
 - d. Rev/Down Arrow: Adjusts the rotate speed. Speeds 1–5.
 - e. Start/Stop: Activates the magnetic stirrer. Red light shows the unit is on but is not spinning. Green light indicates that the unit is on and spinning.
2. Power Adapter: AC power adapter plugs into the magnetic stirrer with a cord that plugs into an electrical outlet.



Operation

1. Place magnetic stirrer in front of you and remove black waterproof rubber cap. Plug the AC power adapter into the magnetic stirrer and the power cord into a power source. When power source is connected, a green light will appear on the power cord.
2. Place the container with solution on the magnetic stirrer and place a stir bar into container. The container should be placed in the center of the magnetic stirrer bed.
3. Press “on/off” button to turn magnetic stirrer on. The pilot light will appear red when the power is on.
4. Change the mode of the magnetic stirrer using the “Mode” button. Select either the forward and reverse mode or the one-way mode.
5. Speed rotation can be adjusted through the “Rev” button. Five different speeds are available.
6. Activate the stirrer with the “Start/Stop” function. When stirring, a green light will be activated indicating that the device is on. If you want the device still on, but not stirring, press the “Start/Stop” button again and a red light will appear.
7. When turning the device off, click the “on/off” button to the “off” option and the indicator light will no longer be red.
8. Optional: Set a countdown timer using the “timing” button. Press the button once to select the timer. Using the up and down arrows, set the desired time and press the button again to start the timer. There are two functions for the timer:
 - a. Set the timer to the desired time and start the timer. When the timer reaches zero, the unit will start to spin.
 - b. Start the stirring on the unit. Set the timer to the desired stir time and start the timer. When the timer reaches zero, the unit will stop spinning.

Specifications

- Intelligent chip design
- ABS plastic outer shell and anti-slip foot pads to ensure stirring stability
- Splash proof sealed components
- LED display screen
- Working diameter: 110 mm
- Maximum stirring capacity: 5,000 mL
- Power: DC 12V
- Dimensions: 160 × 120 × 65 mm
- Weight: 1.3 lbs

Maintenance

WARNING: For your own safety, make certain the device is unplugged before maintaining your magnetic stirrer.

Troubleshooting

Symptom	Cause	Solution
Not turning on	Check power supply cord	Plug firmly into the socket
Not turning on	Check power supply cord	Replace cord if fraying
Not turning on	Check fuse	Replace the fuse

Limited 1-year Warranty

Flinn Scientific, Inc. warrants the microscope against manufactures defect for one year from the date of purchase. Please contact Flinn Scientific at flinn@flinnsci.com or 1-800-452-1261.