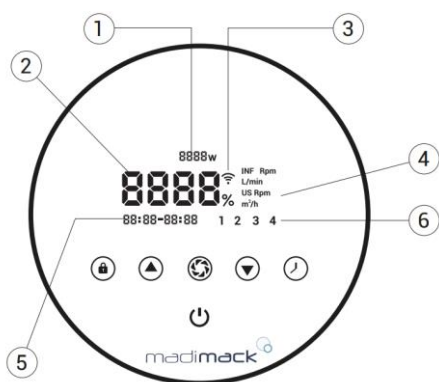








Settings & Operation Guide

Madimack InverPro Series



- 1.) Power Consumption
- 2.) Running Capacity / Flow Rate
- 3.) Wi-Fi Indicator
- 4.) Unit of Flow
- 5.) Timer Period
- 6.) Timer 1/2/3/4

	Lock Hold down this button to unlock the screen.
	Mode Switch between Auto-Inverter and Manual mode. Auto Inverter Mode The running capacity (%) will fluctuate according to the preset flow rate. Manual Mode The running capacity is preset between 30% - 120%.
	UP Change the selected value up.
	DOWN Change the selected value down.
	Timer Setting Change timer settings.
	Power Turns the pump on / off.

Before Operation

Fill the basket with water before starting up the pump. Check to ensure the power consumption is within range.

When the screen is locked, the **Lock button** will appear. Press and hold the **Lock button** for three seconds to access the settings menu. The pump will automatically lock after 1 minute of user inactivity.

Press the **lock button** to wake the screen and view current operating parameters.

Self-Priming

When switched on, the pump will start a self-priming procedure. A countdown will appear starting at 1500s and stop when the priming is complete. The pump will recheck for 120s to ensure the priming is completed.

To exit self-priming mode, press and hold the **Lock button** for three seconds. This will return the pump to its previous state before the last shutdown (the pump will go to Manual Mode for new installations)

To manually activate self-priming mode, hold both the **Lock** and **Mode buttons** for three seconds.

Modes

Press the **Mode button** to toggle between manual mode and auto-inverter mode.

Manual Mode

While in manual mode, the running capacity (shown in %) will appear on the screen. Press the **Up or Down buttons** to adjust the running capacity between 30% and 120%.

The user can set the running capacity between 105% and 120% to maintain an adequate flow rate when pipeline pressure is high. If the power consumption exceeds the pump's rating, the pump automatically lowers the running capacity.

Auto-Inverter Mode

In Auto-Inverter mode, the pump automatically detects the system pressure and adjusts the motor's speed to reach the set flow rate. When first switching to Auto-Inverter mode, the system will perform the self-priming process. During this process, the pump will detect the pipeline pressure and determine the flow range. During operation, if the pump detects that the pipeline pressure has changed significantly, the % or flow unit will flash. If the flashing persists for longer than 5 minutes, the pump will redefine the flow range by repeating the self-priming function.

While in auto-inverter mode, the flow rate (US GPM default) will appear on the screen. Press the **Up or Down buttons** to adjust the flow rate. The flow rate units can be changed by pressing and holding both the **Up and Mode buttons**. The flow rate can be changed between L / min or US GPM.

Timer Mode

The pumps on/off and running capacity can be set by a timer that can be programmed.

Press the **timer button** to enter the timer setting. Then, press the **Up or Down buttons** to set your local time. Press the **timer button** again to confirm and move to the timer-1 setting. Press the **Up or Down buttons** to adjust the running periods and running capacity/flow rate.

When the timer-1 setting is complete, press the **timer button** again. Repeat to set the other three timers. When the timer setup is complete, hold the **timer button** for three seconds to save the settings and activate timer mode.

Note: All four time periods should be set in chronological order. Overlapping settings will be considered invalid and will run on the previous setting. If all four settings are invalid, the timer 1/2/3/4 will flash. If you want to return to a previous setting, hold both the **Up and Down buttons** for three seconds. If you do not need to set all four timers, hold the **timer button** to save the current settings.

Skimmer Mode

Skimmer mode enables the pump to skim the water surface, preventing debris from accumulating and providing users with a cleaner pool. To enter skimmer mode, press and hold both the **Lock and Timer buttons** to view the preset options. To change the option, press the **Up or Down buttons**. After eight seconds of inactivity, the current preset option will be activated. To exit skimmer mode without activating it, press and hold both the **Lock and Timer buttons**.

