

70X90mm

# Instruction Manual

## Portable Dual Mode AC/DC Air Pump

Thanks for buying our pump. To ensure you use the pump safely and correctly, please read carefully and thoroughly this instruction and save for future use. Please note that we are not responsible for any failure caused by misuse or improper maintenance. Save this instruction for future use.

### Important Safety Cautions

- NEVER PLACE THE AIR PUMP IN WATER.
- This pump is solely intended to pump air. DO NOT use for oil, solvents, or any petroleum products.

### Features

- PERFORMANCE – This air pump is designed with the most updated denoising technology and excellent performance.
- AUTOMATIC SWITCH OF DUAL MODES – The pump works with both AC and DC power supply. It can be used as a standard air pump with the AC power plugged in all the time, while when there is a power cut, it will switch to the DC power supply automatically
- LITHIUM BATTERY – The pump comes with an in-built rechargeable lithium battery, which is USB rechargeable, i.e it can be charged by wall charger, power bank, or laptop - very convenient.

- PERIODICAL FEATURE - The pump is also designed with periodical operation feature to save power consumption – when this is activated, the lithium battery can last for maximum 30 hours.
- FLOW CONTROL – The flow volume can be controlled by the flow control button.
- ALL IN ONE – All the accessories needed to run the pump are included in the package:

- ✓ airline tubing
- ✓ air stones
- ✓ check valves
- ✓ T valve

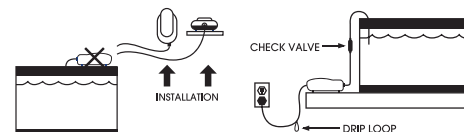
- EXTENSIVE APPLICATIONS – This pump can work as a standard air pump for aquarium, or as an emergency pump during power cut, or as a fishing pump. It's ideal for both fresh and marine water.

### Installation

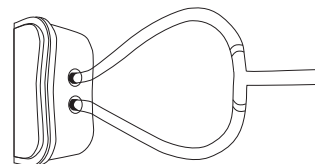
- PLACE THE PUMP IN A DRY AND WELL-VENTILATED PLACE WHERE IT WILL NOT BE EXPOSED TO WATER OR MOISTURE.
- Make sure the air pump is placed above water level. If the air pump is placed below water level, a check valve should be used to avoid the water from backflow.

The check valve is included in the package. To use the check valve, cut the airline tubing into 2 pieces, connect one piece to the inlet of the check valve, and another piece with the outlet of the check valve. Make sure the direction (inlet and outlet) is

correct as the check valve only allows air to flow one-way.



- Provide a "drip loop" for the line cord. This is a loop in the cord below the level of the receptacle or plug that prevents water from travelling along the cord in the direction of the receptacle.
- Connect one side of the air tubing to the air outlet of the air pump; then connect the other side to the air stone. Position the air stone at the desired place in the aquarium tank.
- FOR DUAL-OUTLET MODEL: In case you need larger flow and pressure, cut one of the tubings into 2 pieces, connect the 2 pieces with the supplied T valve, and connect another end of the tubing to the outlets of the air pump. See the figure below.



### Start the Operation

To start the pump, press the on/off button for 3 seconds.

To stop the pump, simply press the on/off button.

### Dual Mode Power supply

This air pump works with both AC and DC power supply.

For AC power supply, plug in with the supplied power adapter.

When there is a power cut of the mains power supply, the pump will switch the power supply to the battery (DC) automatically.

There are lights on the top housing of the air pump working as indicators of the power capacity.

When the indicator has only one light on, the battery is short of power and charging is needed.

When the pump is being charged, the light will flash. When the charge is completed, all the lights will be on.

### Flow Control

There are 2 flow status provided – big and small. Adjust the flow control by pressing the "+/-" button.

### Periodical Operation

This pump is designed with "periodical operation" feature. By pressing the PERIODICAL button (⌚), the pump will work for 10 seconds then stop for 10 seconds, and follow the cycle. This will effectively extend the duration of the battery.

To cancel the periodical operation, press the PERIODICAL button.