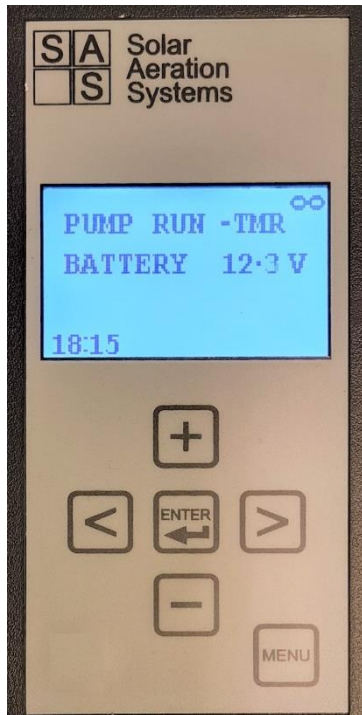# Bluetooth Remote Controller guide.

The Bluetooth remote controller allows the Oxybox run times to be set. This communicates with a controller circuit inside the Oxybox. Once changes have been made, the Oxybox retains all data settings locally.

The range of the remote is up to 20mtrs. This is dependent on 'line of sight'. Any metal objects between the Oxybox and remote will impede the range.

The remote control runs from 2 off AAA batteries.

When powered up, the home screen shows:

Infinity logo in top right corner. this illustrates communication with the Oxybox controller is achieved.

The battery voltage is the current Oxybox battery voltage.

The current time from the Oxybox clock is shown bottom left.

Whilst on the home screen, the **< and >** keys will change the PUMP RUN from:

OFF – Can be used to turn all Oxybox timed programs off.

ON – Overrides any timings set and runs permanently until batteries get to low condition. Only use for temporary running.

TMR – Sets the Oxybox in timed program mode. See below:

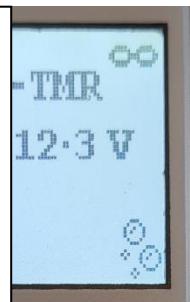Pressing the '**MENU**' key shows: `

PROGRAM

TIME / DATE

BACKLIGHT

SYSTEM – *(this is for factory use only)*

NOTE:

When the Oxybox is running the controller will show bubble logo in the bottom right of the display

Set Time & Date:

Select the **TIME & DATE** option, the current day and time can be changed. Use the **+ and –** keys to adjust each digit. Use the **< and >** to move to the next digit. Press **MENU** key when set.

This will be stored in the Oxybox controller clock. Note: The day/date is not currently used in the current version of software.

Program on/off times:

Selecting the **PROGRAM** option will allow 1 to 24 segments to be edited. *Note that some segments may contain factory settings which can be overwritten.*

Use the **+ and −** keys to select a segment. Press **ENTER** key to adjust. Use the **+ and −** keys to adjust the time. Press **ENTER** key to accept.

The on (start time) and off (stop time) for each segment can be selected/edited to suit.

Normally in the summer, typically, Oxyboxes will run for 8-10hrs /day. A popular setting is 6 hrs from 2:00-8:00 am then 2 hours 17:00 to 19:00

Alternatively, the run times can be staggered across a whole day e.g. 15 mins on each hour. In the Autumn/Winter with diminishing solar strength, the run time should be reduced to around 2 hrs.

When editing is complete, press the **MENU** key to return to the home screen.

Check: Ensure the PUMP RUN field is set to TMR

Remote Override/Enable:

By pressing the 'ENTER' key for 5 seconds, the Oxybox will run for 60 minutes. This is useful during off times when short non programmed run time is required. Once initiated, the user can walk away from the unit and will quit after the 60 mins expires.

The override can be quit by pressing the '**ENTER**' key again for 5 seconds.

Battery Monitoring:

The Oxybox continuously monitors the charge and battery voltage. If the battery voltage drops to 11.6V due to lack of sun (or excessive run times) it will wait until the battery is recharged.

If the Oxybox is in the low battery state, when the remote control is connected it will show '**wait for charge'.** Control is disabled until the battery charge increases**.**

Power down.

If no key activity has been seen for 5 minutes, the remote will automatically power down.

Backlight

The BACKLIGHT setting controls the amount of time the backlight glows when a key is pressed.