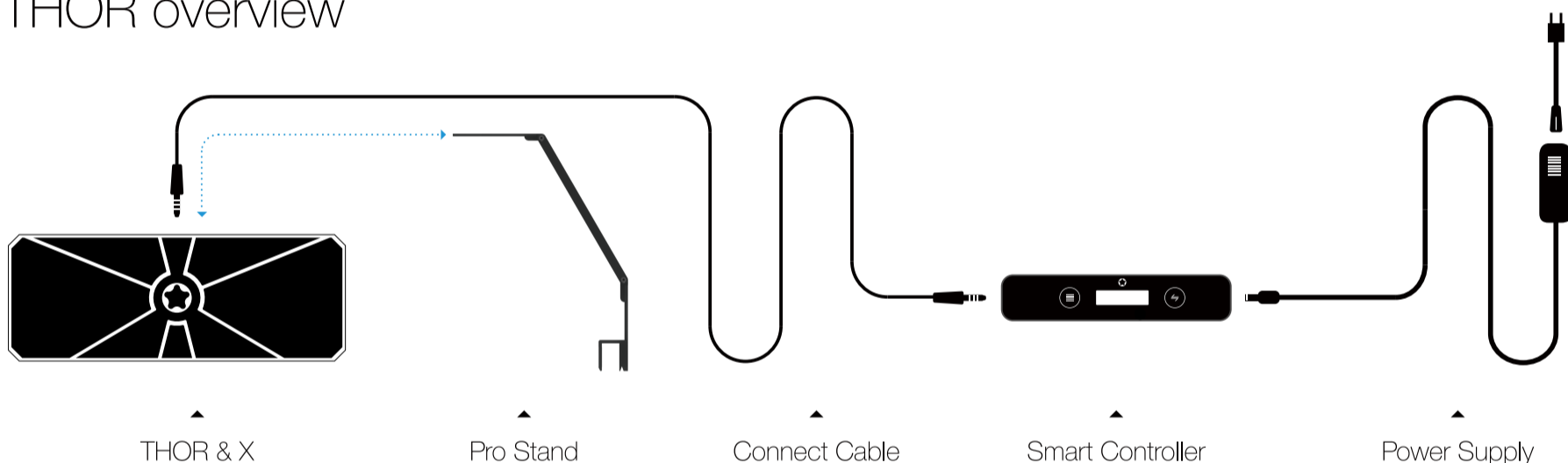# Quick Start Guide

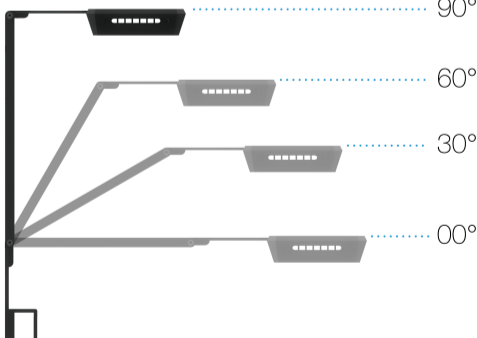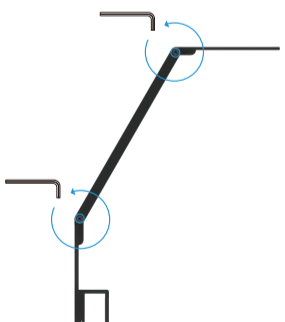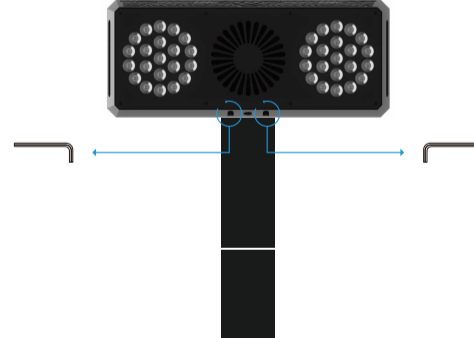## THOR & X

Congratulations on purchasing your THOR
Read this guide to get started to installing and setting your lighting

THOR overview

| THOR & X | Pro Stand | Connect Cable | Smart Controller | Power Supply |

How to install the Pro Stand

❶ There are 4 angles choosable,
Make sure the gear is coincide.

90°
60°
30°
00°

❷ Adjust the angle and locked it.

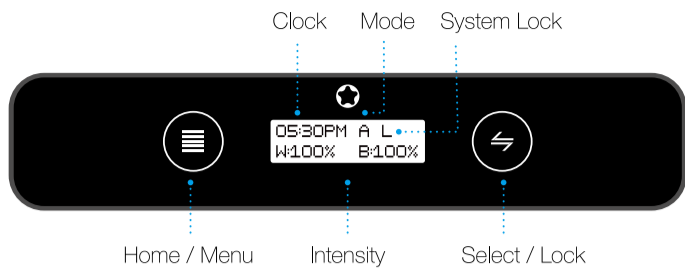❸ Lock the THOR to the Pro Stand.

How to install the Hanging Kits

❶ Assembly hanging kits

❷ Lock the THOR to the hanging bracket

❸ Fix to the ceiling

The Control system will gradually ramp the intensity of LED between set points.
The graph below outlines how the LEDs will ramp up and down between settings.

24 Hours Lighting Cycle Overview
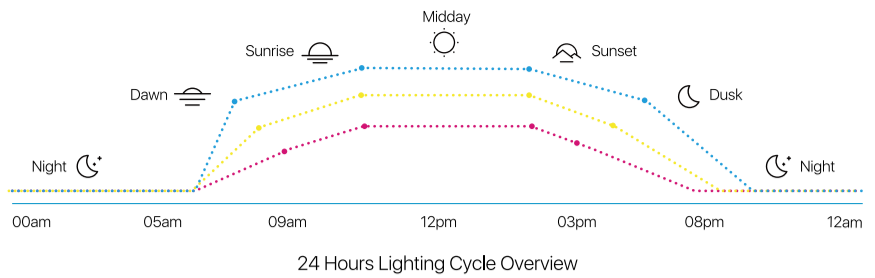
The sample settings below can be used to create different color spectrums in your tank.

10K White for Fish Tank

	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	80% @ 8:00 AM	100% @ 12:00 PM	100% @ 3:00 PM	80% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	0% @ 6:00AM	25% @ 7:00 AM	50% @ 10:00 AM	50% @ 3:00 PM	25% @ 6:00 PM	0% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
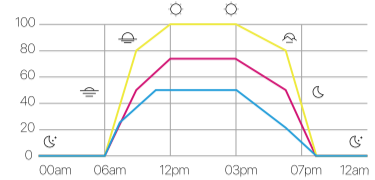
15K White & Blue for LPS

	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	50% @ 8:00 AM	100% @ 12:00 PM	100% @ 2:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	1% @ 6:00AM	80% @ 7:00 AM	100% @ 12:00 PM	100% @ 2:00 PM	80% @ 6:00 PM	1% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
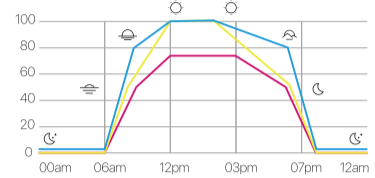
20K Heavy Blue for SPS

	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	25% @ 8:00 AM	50% @ 12:00 PM	50% @ 3:00 PM	25% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	1% @ 6:00AM	80% @ 7:00 AM	100% @ 10:00 AM	100% @ 3:00 PM	80% @ 6:00 PM	1% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
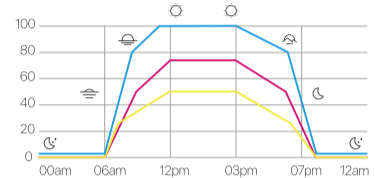
7000K White for Planted

	Dawn	Sunrise	Midday	Sunset	Dusk	Night
W-White Channel A	0% @ 6:00AM	25% @ 8:00 AM	50% @ 12:00 PM	50% @ 3:00 PM	25% @ 6:00 PM	0% @ 8:00 PM
White Channel B	0% @ 6:00AM	80% @ 7:00 AM	100% @ 10:00 AM	100% @ 3:00 PM	80% @ 6:00 PM	0% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
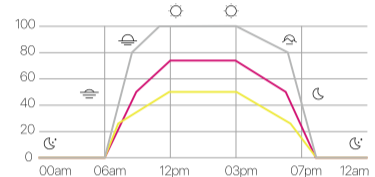
Information

ATTENTION: Never put the light and the smart controller in the water. Doing so will dangerous and damage your light.

WARNING: Do not touch the lights body when it working which will generate heat and may let your hands uncomfortable.

WARNING: Make sure all the cables are connected before plug to electricity or will damage your light.

Important Handling Information

NOTICE: Failure to follow these handling instructions could result in damage to your Light or other property.

Carrying your Light before you move your Light, shut it down and disconnect all cables and cords connected to it. Using power cord Never force a connector into a port. Don't put the power cord into your tank when it connected. When you Setup your Light please make sure that it locate power supply where it will not be exposed to any water or moisture.

Mount your power supply where it won't get wet. Include a "drip loop" – a tied loop of cord hanging down below the level of the electrical outlet. That way, if water happens to run down the cord from the tank, it will drip off onto the floor rather than into the outlet. Drip Loops should always be used to help prevent water from traveling along the cord and coming into contact with an electrical outlet. Drip loops must always be below the level of the outlet. If the plug or outlet does get wet, DO NOT TOUCH the cord.

Storing your Light If you are going to store your Light for an extended period of time, keep it in a cool location (ideally, 71° F or 22° C).

When cleaning the outside of your Light, first shut down your Light and unplug the power cord. Then use a damp, soft, lint-free cloth to clean the lamp exterior. Avoid getting moisture in any openings. Do not spray liquid directly on the lamp. Do not use aerosol sprays, solvents, or abrasives that might damage the finish.

MicMol and the Environment

MicMol. recognizes its responsibility to minimize the environmental impact of its operations and products.

Warranty

MicMol warrants all MicMol products to be free from manufacturing defects for one year from the original purchase date when purchased through an authorized MicMol retailer. This warranty does not cover any damages caused by misuse, neglect, alterations or improper handling / transport / maintenance / installation. Physical damages are not covered by warranty. MicMol does not cover personal injury, personal loss, or other damages associated with the use of our products. In order to request warranty service, please email us at support@micmol.com. A purchase receipt is required for any warranty service. Products requiring warranty service must be returned to MicMol or authorized MicMol retailer. You are responsible for the cost of shipping a warranty claim to MicMol and any damages that may occur during transit. Once a returned product has been inspected, it will be repaired or exchanged at our discretion and returned to you. Thank you very much.

Smart Controller Setup

Clock   Mode   System Lock

05:30PM A L
W:100% B:100%

Home / Menu   Intensity   Select / Lock

Home / Menu – Browse menu.
Special Function 1 : Hold on 3 second to return to the previous menu.
Special Function 2 : Hold on 3 second under locked to switch Auto & Manual mode.

Select / Adjust – Enter the sub-menu to adjust the parameters.
Special Function 1: Hold on 3 second to unlock system.
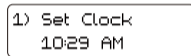Special Function 2: Hold on 3 second to lock system.

	Auto Mode		Manual Mode	
Systems Loading iMOS 3.0M	05:30PM A L W:060% B:060%	05:30PM A LT S:030%	05:30PM M L W:100% B:100%	05:30PM M LT S:100%
Boot screen	Home screen 1	Home screen 2	Home screen 1	Home screen 2

Note: "A" = Auto Mode, "M" = Manual Mode, "L" = Locked, "LT" = Lightning ON.
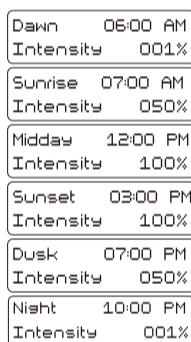
Setting up your Light now

1) Set Clock

1. Hold ⚡ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⚡ Select/Lock to select 1) Set Clock menu
5. Press ⚡ Select/Lock to adjust time.
6. Press ☰ Home/Menu to toggle through options
7. Press ☰ Home/Menu to return to main menu

```
1) Set Clock
2) Auto Mode

1) Set Clock
   10:29 AM
```

2) Auto Mode - Set LEDs (e.g: Set White Channel)

1. Hold ⚡ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⚡ Select/Lock to select 2) Auto Mode menu
5. Press ⚡ Select/Lock to select Set White menu
6. Press ⚡ Select/Lock to adjust Dawn time.
7. Press ☰ Home/Menu to toggle through options
8. Press ☰ Home/Menu to select Intensity
9. Press ⚡ Select/Lock to adjust Intensity.
10. Press ☰ Home/Menu to toggle through options
11. Press ☰ Home/Menu to move to next setpoint
12. Repeat Steps 5-9 for Sunrise, Midday, Sunset, Dusk and Night
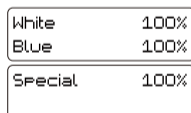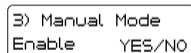13. Press ☰ Home/Menu to return to main menu

```
1) Set Clock
2) Auto Mode

Set White
Set Blue
Set Special

Dawn      06:00 AM
Intensity    001%

Sunrise   07:00 AM
Intensity    050%

Midday    12:00 PM
Intensity    100%

Sunset    03:00 PM
Intensity    100%

Dusk      07:00 PM
Intensity    050%

Night     10:00 PM
Intensity    001%
```

Auto Mode (Set Blue & Special Channel)

Set the Blue Channel and Special Channel which is same as the White Channel operate step.

```
Set White        Set Blue
Set Blue         Set Special
```
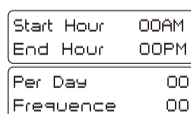
3) Manual Mode

1. Press ⚡ Select/Lock to select 3) Manual Mode menu
2. Press ☰ Home/Menu to adjust Enable Manual Mode > Yes/No
3. Press ⚡ Select/Lock to enter the channel selection list
4. Press ☰ Home/Menu to select the White, Blue, Special Channel
5. Press ⚡ Select/Lock to adjust Intensity for each channel
6. Press ☰ Home/Menu to return to main menu

```
3) Manual Mode
4) Lightning

3) Manual Mode
Enable    YES/NO

White        100%
Blue         100%

Special      100%
```
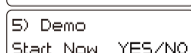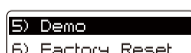
4) Lightning

The advanced settings allow you to control the time period storms will occur in a 24 hour period, the number of storms during this set time and the frequency at which a storm period is activated.

1. Hold ⚡ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⚡ Select/Lock to select 5) Lightning menu
5. Press ⚡ Select/Lock to adjust Enable Lightning > Yes/No
6. Press ☰ Home/Menu to set Start/End Hour
7. Press ⚡ Select/Lock to adjust Start/End Hour.
8. Press ☰ Home/Menu to enter next menu
9. Press ☰ Home/Menu to set Per Day and Frequency
10. Press ⚡ Select/Lock to adjust Per Day
11. Press ☰ Home/Menu to set Frequency
12. Press ⚡ Select/Lock to adjust Frequency
13. Press ☰ Home/Menu to return to main menu

```
3) Manual Mode
4) Lightning

4) Lightning
Enable    YES/NO

Start Hour    00AM
End Hour      00PM

Per Day         00
Frequence       00
```
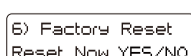
5) Demo

1. Press ☰ Home/Menu button to enter main menu
2. Press ☰ Home/Menu button to select 5) DEMO
3. Press ⚡ Select/Lock button to select YES
Note: The DEMO will show all your settings in 1 minute.

```
5) Demo
6) Factory Reset

5) Demo
Start Now  YES/NO

Demo is running
    ........
```

6) Factory Reset

1. Press ☰ Home/Menu button to enter main menu
2. Press ☰ Home/Menu button to select 6) Factory Reset
3. Press ⚡ Select/Lock button to select YES
4. Press ☰ Home/Menu button to set Factory Reset

```
5) Demo
6) Factory Reset

6) Factory Reset
Reset Now YES/NO
```