

# nextlight

PRO SERIES  
**CONTROL**



**USER MANUAL**

Thank you for choosing



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**WARNING:** Please read and follow the instructions before installing and using your **NextLight Control Pro**

## 1. NextLight Control Pro

- Dimming Control - Adjusting output power of your light fixtures
- On/Off Timing - Set precise times for daily shut off
- Sunrise/Sunset Simulation over 60 minute periods
- Included Temperature Sensor allows dimming and shut off at designated temperature thresholds
- 5 Year Full Warranty

The **NextLight Control Pro** enables Dim-to-Off, Dimming Control and Programming for **NextLight Pro Series** products. Designed for controlling **NextLight Pro Series** fixtures. The **NextLight Control Pro** can control up to 500 **NextLight Pro Series** fixtures per controller (250 fixtures per channel).

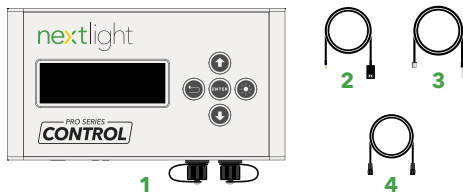
Please scan the QR code to access our online product listing for the **NextLight Control Pro**. There you can access more info, digital versions of this User Manual, Spec Sheets and more!



If you still have questions, please call **513.718.7556** or email [sales@nextlight.com](mailto:sales@nextlight.com)

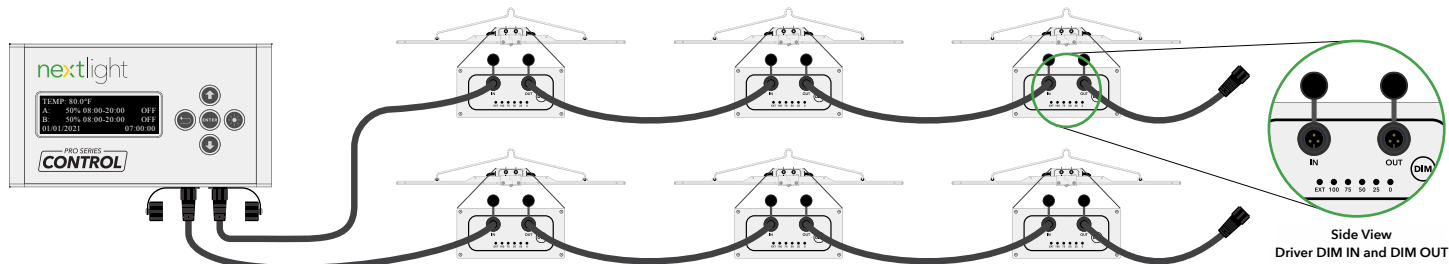
## 2. Package Contents

- 1 NextLight Control Pro **x1**
- 2 12V AC/DC Adapter **x1**
- 3 Temperature Sensor **x1**
- 4 NextLight Pro Series Control Cable (20') **x2**



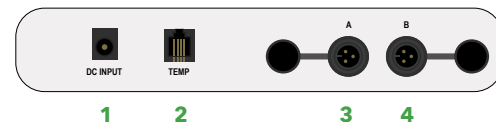
## 4. Product Installation

- The **NextLight Control Pro** can be mounted to the wall using two nails/screws and mounting holes (3 3/8" apart) on back of controller.
- Insert 12V AC/DC Adapter into DC Input and plug into a power source.
- Screen will automatically turn on and you can continue setting up your controller.
- Insert **NextLight Pro Series Control Cable** into Channel A/B of your **NextLight Control Pro**. Then screw the locking ring clockwise to ensure proper connection.
- Insert other end of Control Cable into Dim In connection on Driver of first Fixture in lighting system chain.
- Connect Control Cable from Dim Out on Driver of first Fixture to Dim In on Driver of next Fixture in the lighting system chain.
- Repeat until all Drivers/Fixtures are connected.
- To ensure proper dimming control, make sure Onboard Dimmer on Driver is set to EXT (External Control). Not applicable to all **NextLight Pro Series** fixtures.



## 3. Connections

- 1 DC Input
- 2 Temperature Sensor Input
- 3 Channel A
- 4 Channel B



\*Dust caps removed to show ports

## 5. Temperature Sensor



**WARNING:** If the sensor becomes less sensitive or oxidized, it will cause the temperature on controller to be different from actual ambient temperature. If this occurs, you will need to calibrate the sensor (**H. Temp Calibrate**).

- Insert Temperature Sensor into Temperature Sensor Input.
- Suspend the sensor down toward the space above the plant canopy, preferably not against the wall. Do not position the sensor in direct air flow.
- Cover the sensor from direct light exposure from fixtures. Direct light cast upon sensor will affect the temperature readings and may cause premature auto dimming (**D. Auto-Save Temp**) or shutdown (**E. Shutdown Temp**) of lighting system.

## 7. Controls



### Enter

- Press to view Settings Menu
- Press to save changes



### Up

- Move selection up
- Increase value



### Brightness

- Shortcut to Output Power menu



### Down

- Move selection down
- Decrease value



### Back

- Navigate back to previous menu

**NOTES:** Press once - Single value change, Press and hold (3 seconds) - Quick value change

## 6. Main Screen

*\*Example values shown*

### Temperature

Ambient temperature detected by  
Temperature Sensor.  
TEMP: 80.0°F

### Date/Time

Current date and time of controller.  
01/01/2021      07:00:00

### Outputs

Channel	Dim %	Schedule	Current Status
A	50%	08:00-20:00	OFF
B	50%	08:00-20:00	OFF



*\*Main Screen Example*

## 8. Settings

*\*Example values shown for all screen Settings*

### Settings Menu

Press Enter to view Settings Menu

- A. Output Select
- B. Output Power
- C. Light Timer
- D. Auto-Save Temp
- E. Shutdown Temp
- F. Rise/Fall
- G. System Date/Time
- H. Temp Calibrate
- I. Factory Reset
- J. Screen Saver

#### A. Output Select

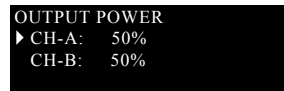


```
OUTPUT SELECT
▶ CH-A: AUTO
  CH-B: AUTO
```

Set Output mode.

- Press Up/Down to change value
- Set AUTO to use fixtures with controller
- Set ON to turn all fixtures ON at set Output Power
- Set OFF to turn all fixtures OFF at 0%
- Press Enter to save changes

#### B. Output Power

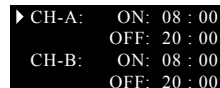


```
OUTPUT POWER
▶ CH-A: 50%
  CH-B: 50%
```

Set Output Power % for Channels A & B

- Press Up/Down to change value
- Press Enter to save changes

#### C. Light Timer



```
▶ CH-A:  ON: 08 : 00
          OFF: 20 : 00
  CH-B:  ON: 08 : 00
          OFF: 20 : 00
```

Set Light Timer ON/OFF values for hour/minute

- Press Enter to select channel
- Press Up/Down to change hour
- Press Enter to save hour change
- Press Up/Down to change minute
- Press Enter to save minute change
- Repeat and set hour/minute for OFF time

#### D. Auto-Save Temp



```
AUTO-SAVE TEMP
▶ 90.0°F
```

Set temperature threshold for auto dimming to  
**50% of current setting**

- Press Up/Down to change Auto-Save Temp value
- Press Enter to save changes

For example:

Current Output Power setting is 50%, it will auto dim to 25% when temperature reaches 90°F.

#### E. Shutdown Temp



```
SHUTDOWN TEMP
▶ 100.0°F
```

Set temperature threshold to shut down fixture  
**automatically**

- Press Up/Down to change Shutdown Temp value
- Press Enter to save changes

## 8. Settings (cont.)

### F. Rise/Fall

SET RAMP TIME  
▶ 30 MIN

#### Set time period for sunrise and sunset

- Press Up/Down to change minute value
- Set 1 - 60 minutes or NONE
- Press Enter to save changes

### G. System Date/Time

SET DATE OR TIME  
DATE: 2021-01-01  
TIME: 07:00:00

#### Set local date and time

- Press Up/Down to change date values
- Press Enter to save changes
- Press Up/Down to change time values
- Press Enter to save changes

### H. Temp Calibrate

TEMP CALIBRATE  
▶ 80.0°F

#### Set Temperature Sensor calibration

Temperature Sensor may become less sensitive or get oxidized causing temperature on controller to be different from actual ambient temperature.

- Press Up/Down to change Temp Calibrate value
- Press Enter to save changes

For example:

- Temperature shown on controller is 79.0°F
- Real ambient temperature is 80.0°F tested by a reliable third party temperature sensor
- There is a 1°F difference
- Set Temp Calibrate setting to match ambient temperature (80°F)
- This will offset all readings from Temperature Sensor by 1°F

### I. Factory Reset

FACTORY RESET  
NO

#### Set controller to original factory settings

- Press Up/Down to change YES/NO
- Select YES and press Enter to save and return to original factory settings

### J. Screen Saver

SCREENSAVER  
▶ OFF

#### Set Screensaver ON/OFF

- Press Up/Down to change ON/OFF
- Select ON to turn screen off after one minute
- Select OFF and screen will stay on
- Press Enter to save changes

## 9. Safety Recommendations and Warnings



**WARNING:** Please read and follow all Safety Recommendations and Warnings before installing your **NextLight Control Pro**.

- Please check and adhere to all local rules, regulations and zoning codes when installing.
- The installer is responsible for correct and safe installation of light system.
- The **NextLight Control Pro** may only be used to control **NextLight Pro Series** products.  
**Do NOT** connect the controller to other products as this may be dangerous and may cause malfunctions in the connected equipment. Doing so will void the warranty.
- **Do NOT** hang Controller by Power Cord.
- Only use Power Cords that were supplied with your Controller.
- **Do NOT** use the Controller with a damaged Power Cord.
- **Do NOT** attempt to open, rewire or reconfigure any components of the Controller. It will void the warranty and could cause serious injury or death.
- Always disconnect power from the Controller before moving or cleaning it.
- **Do NOT** clean the Controller with detergents, abrasives or other aggressive substances.
- **Do NOT** use the Controller near flammable, explosive or reactive substances.
- Keep the Controller away from excessive heat, water, dust and contamination.
- **Do NOT** use any Volatile Organic Compounds (VOCs) on or near the Controller. VOCs can cause damage to the components (including insect foggers).
- If the surface of the **NextLight Control Pro** is dirty, wipe it with a dry towel.

## 10. NextLight Support

Please scan the QR code to access our online Support page, which includes the User Manual, FAQ and additional Warranty Claim information.



[nextlight.com/support](https://nextlight.com/support)

## 11. Five (5) Year Full Manufacturer's Warranty

All **NextLight** products carry a Five (5) Year Full Manufacturer's Warranty from date of purchase. Please follow all instructions and guidelines to ensure warranty is not voided. This warranty does not apply to any product which has been damaged, defaced, subjected to misuse, abnormal service or handling (including shipping damage) or which has been altered in design or construction.



**WILL VOID  
WARRANTY**



VOCs



Rewiring Fixture



Submersion

To file a Warranty Claim, visit [nextlight.com/warranty](https://nextlight.com/warranty)



This product is for horticulture use only.  
Not suitable for room illumination.

### Legal Disclaimer

**NextLight** products are to be used for lawful purposes only. It is the responsibility of you as the purchaser to know and abide by all laws pertaining to the use of **NextLight** products. **NextLight, LLC** will NOT be held liable for any unlawful state or federal activity arising out of the use of our products. By purchasing a **NextLight** product, you are agreeing to these terms and conditions, confirming that you as the purchaser are attesting to the lawful use of our product and are thereby solely responsible for acting in conformance with all applicable regulations.

Thank you for choosing

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Questions about your *NextLight Pro Series* products?

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