

DIMLUX^{LED}

MAXI CONTROLLER

User Manual



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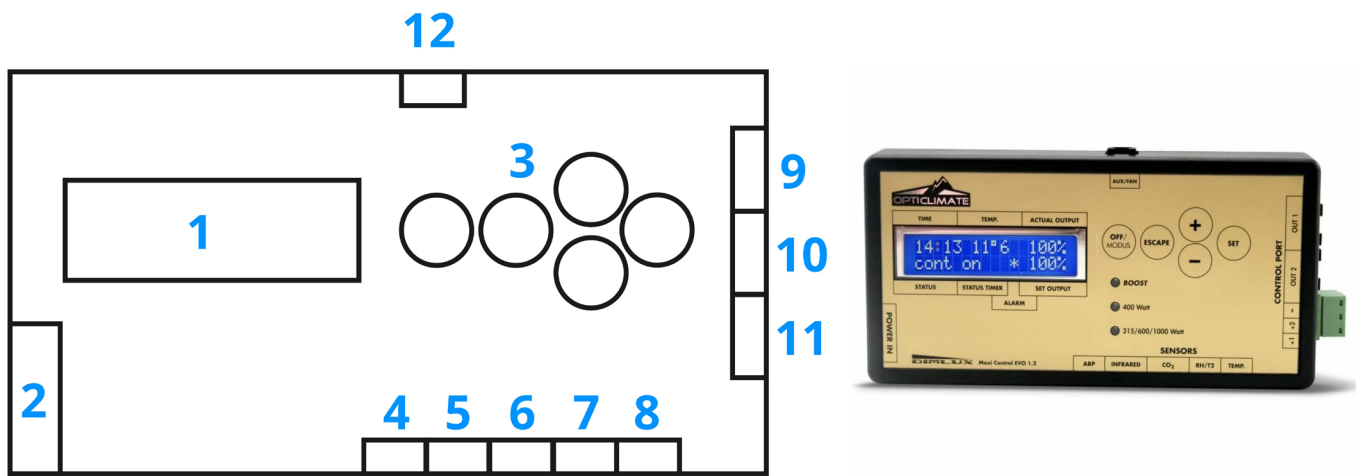
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1. SPECIFICATIONS

1.1 WHAT IS A MAXI CONTROLLER

The Dimlux Maxi Controller is a modular control system for operating and monitoring your Dimlux Lighting fixtures and climate control systems. In this manual we'll explore all modes, connections and accessories to operate your Dimlux setup to it's full potential.

1.2 MAXI CONTROLLER LAYOUT



- | | |
|-----------------------|---|
| 1. STATUS DISPLAY | Actual status of the system with time, temperature, output levels, operating mode, timer status and alarm |
| 2. POWER IN | Connector for the AC power adapter |
| 3. NAVIGATION BUTTONS | Buttons to control the Maxi controller |
| 4. ABP | Port for connecting a second controller (Alternating Bit Protocol) |
| 5. INFRARED | Port for the PT (Plant Temperature) sensor/camera |
| 6. CO2 | Port for the CO2 sensor |
| 7. RH/T2 | Port for the RH (relative humidity) sensor or second temp. sensor |
| 8. TEMP | Port for the temperature sensor |
| 9. OUT 1 | Port to connect up to 60 Xplore or Xtremell fixtures |
| 10. OUT 2 | Port to connect up to 60 Xplore or Xtremell fixtures |
| 11. CONTROL | Port for legacy HPS fixtures, not used in modern setups |
| 12. AUX/FAN | Port for connecting Smartbox 6/3 or Smartbox 0/2 (Auxbox) |



Temperature sensor



RH sensor



CO2 sensor



Plant temperature sensor

1.3 SENSORS

The Dimlux Maxi Controller has several additional available sensors available to help you get the best results.

Temperature sensor

Ambient temperature sensor, to be placed outside of a direct light source.

RH sensor

Relative humidity sensor. Needed to calculate the VPD (Vapor Pressure Deficit) or control a (de)humidifier. Place outside of a direct light source.

CO2 sensor

Reads actual CO2 levels in the room. The sensor can control a CO2 generator or cold CO2 installation.

Plant Temperature camera/sensor

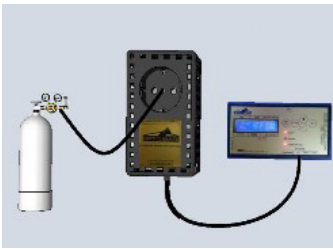
The Plant Temperature Camera (hereafter abbreviated to PT Camera) Reads the plant surface temperature and is needed to calculate the Vapor Pressure Deficit (hereafter abbreviated to VPD) and indicates vaporization of the crop.

1.4 SENSOR PLACEMENT

The sensors need to be connected and placed in a specific way to make sure the readings are reliable and the corrections of the attached hardware is correct.

CO2

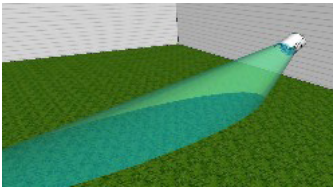
Connect the sensor into a standard wall socket in the grow room and lead the attached cable to position 6 (chapter 1.2). Now connect a CO2 generator or CO2 tank to the CO2 sensor with a standard power supply cable. The sensor is pre-configured on the Maxi Controller and will activate or deactivate the CO2 generator based on its readings.



CO2 sensor connected

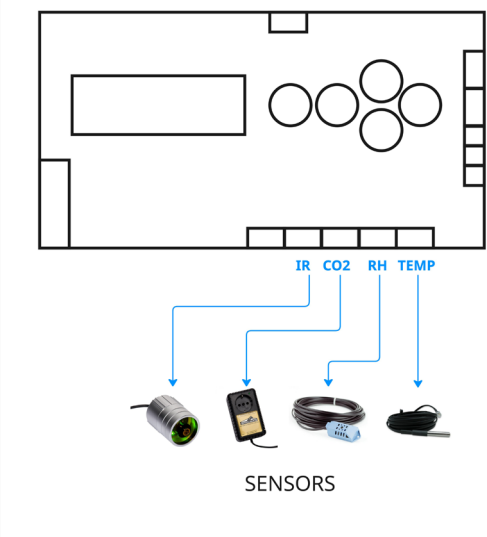
Plant Temperature Camera, temperature sensors & RH sensor

To determine the VPD (Vapor Pressure Deficit) value the RH, temperature- and PT sensors work together and should all be connected in the ports designated in chapter 1.2. Both the temperature and RH sensor must be shielded from a direct light source. The PT camera should be mounted in an angle of 45°. This way, the diameter of the circle that is generated, also is the distance to the center of the circle on the crop itself.



Plant Temperature Camera placement

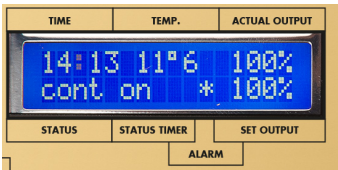
1.5 ALL SENSORS CONNECTED



1.6 DISPLAY

The display on the Maxi Controller in normal operating mode will display the following data:

Time	Current local time
Temp	Current temperature measured by the temperature sensor
Actual output	Current relative humidity
Set output	Current relative humidity target
Alarm	Alarm status on/off
Status timer	Timer status on/off
Status	Current operating mode

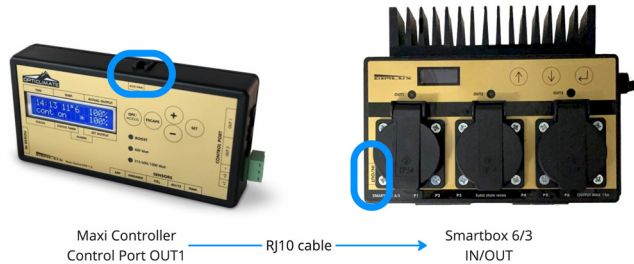


Maxi Controller display

In chapter 3 we'll go in depth on the settings and configurations.

1.7 CLIMATE CONTROL WITH SMARTBOX 6/3

For more connectivity and flexibility the Maxi Controller can be enhanced with a Dimlux Smartbox. In some situations you need to connect a (de)humidifier, heating and/or cooling to not only control lighting, but also the indoor climate. The Smartbox 6/3 can be used to connect these systems. When connected, the Smartbox is controlled from the Maxi Controller. To connect the Smartbox 6/3, use a standard RJ 10 communication cable. Refer to the Smartbox manual for more information on this mode.



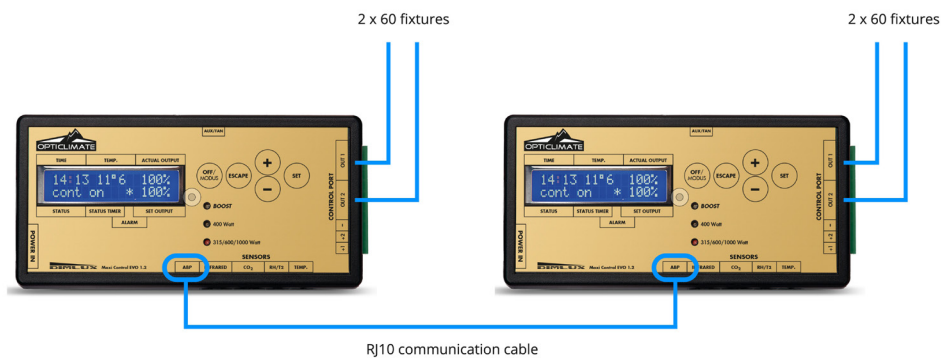
1.8 ADD-ON CONTROL WITH SMARTBOX 0/2

The Smartbox 0/2, also known as the Auxbox, is used to connect lighting add-ons to the Xplore LED fixture series. It is able to use up to three types of lighting add-ons that greatly expands on the lighting frequencies for your crops. The system is pre-configured. When connected to the Maxi Controller with the RJ10 communication cable you only need to connect the add-ons to the two smart power outlets on the Aux Box. For more in-depth information on add-ons for the Xplore series, refer to chapter 2.6. Now, the add-ons will simply follow the configuration that is programmed on the Maxi Controller.



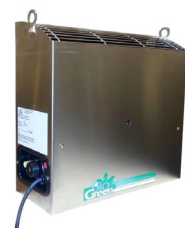
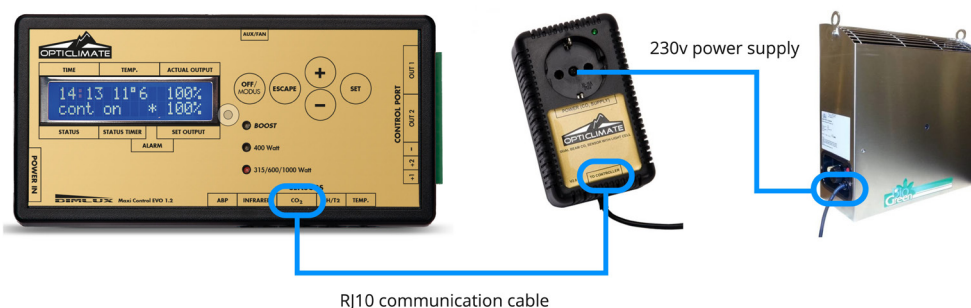
1.9 2ND MAXI CONTROLLER

By connecting a second Maxi Controller you can expand the number of fixtures you can connect from 60 to 120 in a very budget friendly way. Use the OFF/MODE button repeatedly to set the following Maxi controller to 'Lights Control Slave Copy' or 'Lights Control Slave Invert' if you want the second controller to do the opposite thing.



1.10 CO2 ONLY

When using a third party lighting and/or climate system, the Maxi Controller can also be used for CO2 control only. By connecting a CO2 sensor and a CO2 tank or generator you can have full control over the CO2 levels and optimize the growth results of your crops.



1.11 3RD PARTY CONTROL

The Dimlux ecosystem of lighting and climate control is not bound to our own products. We believe in the freedom of choice. With the built-in ABP port on our Maxi Controller you can connect any Modbus RS485 over RJ10 compatible system.

Modbus

Our Maxi Controller uses the Modusbus V4 software which means you can connect everything that uses the same protocols.

The specifications are:

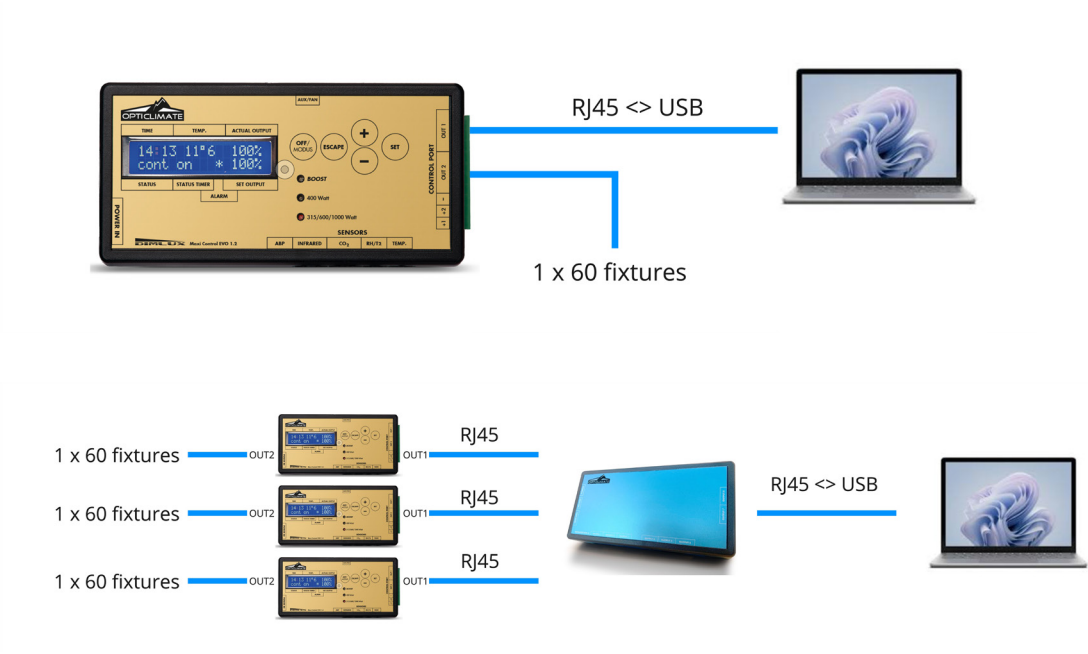
Modbus type	Modbus RTU
Communication setting	9600 baud, 8 databits, 1 stop bit, no parity
Response time	< 200 ms
Data	maxi-controller_modbus_registers.xls

Input & holding registers

Input registers used to read measured data and actual values of a variety of sensors. The holding registers are configurable settings that mimic the input of the control buttons on the device. Changing a setting this way is the same as doing it on the actual device.

Connecting to Modbus

To connect your Maxi Controller to your PC, use our Dimlux Communication cable 1-7803. Connect the USB port to your PC and the RJ45 side to the Maxi Controller to OUT1. This means one less OUT for fixtures. If you need more fixtures controlled and the modbus functionality, use our repeaterboxes to extend the capacity with standard RJ45 cabling. Make sure to set the internal Modbus addresses with the communication menu as described in chapter 3.



Modbus Registers

Every functionality, both input (values) and holding (settings), can be read (input) and written (holding) with the table below. The divider is used for values that have decimals. For example, when the temperature value shows 300, you need to divide by 10 to calculate the corrected temperature: 30.0 Celcius. In reverse: to set the target temperature to 26.5 degrees, you need to input 265 as the value.

INPUT REGISTER	#	ID	DIVIDER	UNIT	HEX-CODE
Ambient Temperature	0	Tamb1	10	°Celcius	0x0000-0x03e8
Plant surface temperature?	1	Tspot	10	°Celcius	0x0000-0x03e8
Relative Humidity	2	RH	10	%	0x0000-0x03e8
Carbon Dioxide	3	CO2	1	PPM	0x0000-0x0bb8
Ambient <> Plant temperature	4	Diff Tamb1_Tspot	10	Kelvin	0xFD37-0x017C
Status lamp A	5	status lamp A	1	character	0x0000-0x00ff
Percentage steering A	6	percentage steering A	1	%	0x0000-0x007d
Status CO2 sensor	7	status CO2	1	character	0x0000-0x007d
Status RH sensor	8	status RH	1	%	0x0000
Countdown minutes left	9	minutes left	1	minutes	0x0000-0x05a0
Ambient Temperature 2	10	Tamb2	10	°Celcius	0x0000-0x03e8
Percentage Steering B	11	percentage steering B	1	%	0x0000-0x007d
Status lamp B	12	status lamp B	1	character	0x0000-0x00ff

HOLDING REGISTER	#	ID	DIVIDER	UNIT	HEX-CODE
Percentage steering A	0	Percentage steering A	1	%	0x0032-0x078
Setpoint Carbon Dioxide	1	Setpoint CO2	1	ppm	0x012c-0x07d0
Ambient temperature low setpoint	2	Tamb lo level setpoint	10	°Celcius	0x0014-0x0028
Ambient temperature high setpoint	3	Tamb hi level setpoint	10	°Celcius	0x0015-0x002d
Ambient temp. shutdown level	4	Tamb shutdown level setpoint	10	°Celcius	0x0016-0x0032
Plant temperature dim setpoint	5	Tspot dim setpoint	1	Kelvin	0xffffb0x0007
Plant temp. shutdown setpoint	6	Tamb shutdown level setpoint	1	Kelvin	0xfffc-0x0009
Relative Humidity setpoint	7	RH (aux) setpoint	1	%	0x000a-0x005a
Relative Humidity type	8	RH (aux) type	1	value	0x0000-0x0001
Relative Humidity control	9	RH (aux) control	1	value	0x0000-0x0002
Percentage Steering B	10	Percentage Steering B	1	%	0x0032-0x078
Light Control Mode	11	lightcontrolmode	1	value	0x0000-0x0005
Carbon Dioxide Mode	12	co2mode	1	value	0x0000-0x0001

2. CONNECTING FIXTURES

2.1 TYPES OF FIXTURES

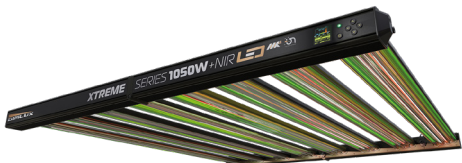
The Dimlux range of fixtures consist of three distinct ranges, each with their unique characteristics. Although all ranges and variations can vary dramatically in specifications, characteristics and performance, all use the same 'Interlink' technology for their control.



Expert HPS series



Xplore3 LED series



Xtremell LED series

2.2 DOUBLE-CORE

Older legacy fixtures can also be controlled with standard double-core electrical wiring for practical or budgetary reasons. They can be connected with port position 11 (chapter 1.2). A maximum of 80 fixtures can be controlled this way. Connect all fixtures or ballasts with the double core cabling in a chain. On the controller you can choose for port +1 and -. This corresponds with the connection on the fixture. Always connect +1 to +1 and - to -. Both the +1 and - can be used for individual chains.



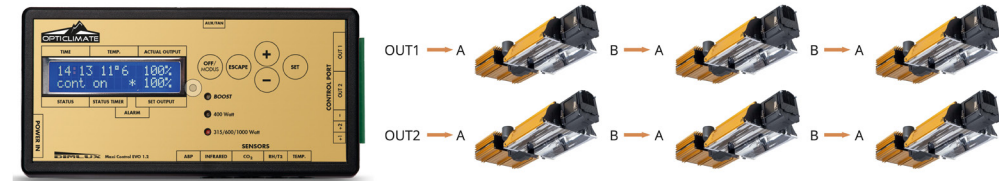
2.3 INTERLINK

All Dimlux fixtures utilize the modern Interlink system with RJ45 cabling. This allows for much more accurate control and a wide variety of settings and configurations. You can connect up to 60 fixtures per output so in total up to 120 with a standard controller (positions 9 and 10 in chapter 1.2). The ABP port allows for connecting a second Maxi Controller that again provides up to 120 fixtures. Need even more? contact us at airluxtechnologies.com or your local dealer.

The system will automatically detects a second controller and will function in a lead-follow configuration. All settings will automatically change on the second controller and will act as an extension box. This way, up to 240 fixtures can be connected to a single control unit.

2.4 EXPERT HPS SERIES

There are two ports on the ballasts or light fixtures, to which the Interlink cables are connected. The port on the Maxi Controller (OUT1 and/ or OUT2) is connected to port A of the first ballast or light fixture. Port B is now connected to port A of the next ballast or light fixture via an Interlink cable. The sequence is therefore controller-out> port A, then from B to A / B to A / B to A etc. A is therefore the input signal and B is the output signal.



Interlink cable



Expert HPS connection panel

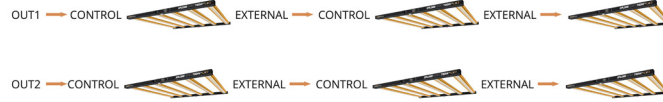
2.5 XPLORE LED SERIES

The Xplore is the budgetfriendly option in our range and is controllable in both light output and timers with our Maxi Controller. When connected, make sure to set the control dial on all connected fixtures to 'EXT', short for external.

From the OUT ports on the Maxi Controller lead our Xplore connection cable (2-956) to the CONTROL port of the first fixture. You can now chain the fixtures with Interlink cabling. Connect the EXTERNAL port on the first fixture to the CONTROL port on the second. Repeat the proces to a maximum of 60 fixtures.



Xplore control dial and connection ports



2.6 XPLORE LED SERIES ADD-ONS

For a greater range in lighting frequencies Dimlux offers several add-ons you can place on the fixture. The options are UV-A, NIR and a combination of both. Connect one or two add-ons to the power outlets on the Smartbox 0/2 and make sure the Smartbox 0/2 is connected to the Maxi Controller. The UV-A or UV-A/NIR add-on must be connected to the left port, the NIR add-on to the right port.

You can connect up to 50 add-ons with standard power-supply cables per output which combines to 100 add-ons with a single Auxbox. Alternatively, the Auxbox can easily be extended with the built-in loop through for control. The top port is the IN, the bottom port is he OUT port. The control and configuration is automatically forwarded from the Maxi Controller to the Auxboxes connected.



IN - Maxi Controller
OUT - to next AUX box



Maxi Controller
Control Port OUT1



Auxbox
(Smartbox 0/2)



UV-A

NIR

2.7 XTREMII LED SERIES

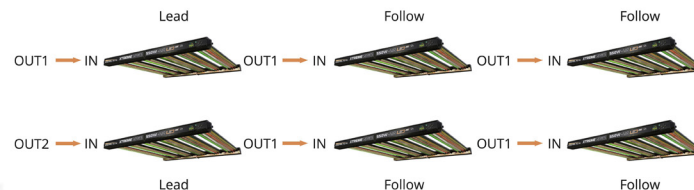
The XtremII LED series are our state of the art fixture line that is extremely versatile and configurable and can be controlled in several ways. The two most common ways are the Smart Remote Controller and the more budget friendly option, the Maxi Controller.

If you need maximum control over all lighting settings including individual color control, color gradients over a period, advanced growth schedules and multi-room control from a single controller we have an advanced control option with our Smart Remote Controller.

The first fixture that is connected, directly to the Maxi Controller is the lead fixture. All fixtures that come after are followers. This is the default setting so you only need to change the first fixtures's setting. Refer to the XtremII manuals for more information. Connect the fixtures as follows:



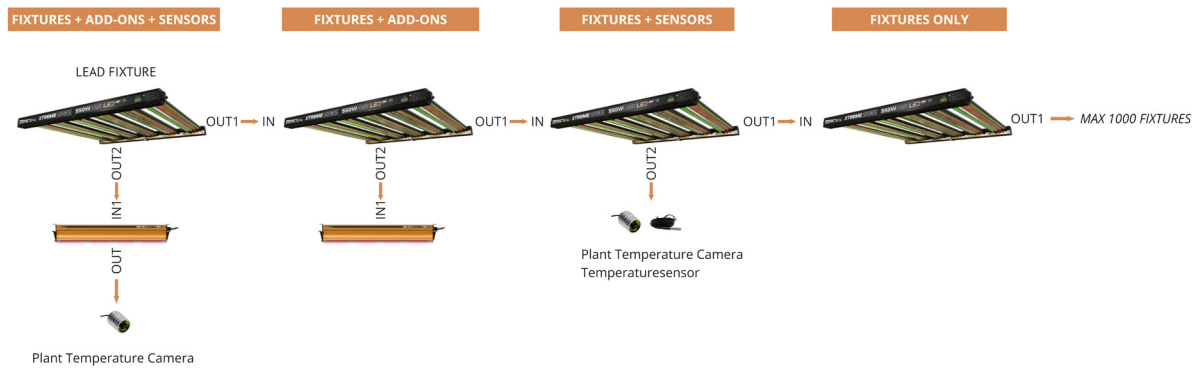
Smart Remote Controller



2.8 XTREMEII LED SERIES - ADD-ONS

For the Xtremell LED series, the add-ons are connected directly to the fixtures and controlled by the internal controller of the fixture. When connected to a Maxi controller, all basic add-on settings can be done from the Maxi Controller but as stated in chapter 2.7, the options are limited. For full control we have the Smart Remote Controller as a full featured alternative.

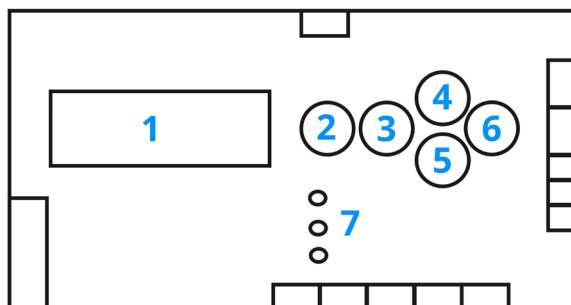
For complete instructions on the routing and control of the add-ons and sensors, please refer to the Dimlux Xtremell manuals on the Airlux Technologies knowledgebase, link in chapter 4.



3. CONFIGURATION & SETTINGS

3.1 USER INTERFACE

The user interface of the Maxi controller has three parts. The display with menu's and statuses, the control buttons and a convenient LED system that shows direct information on the power output.



- | | |
|------------------------|---|
| 1. STATUS DISPLAY | Actual status of the system with time, temperature, output levels, operating mode, timer status and alarm |
| 2. OFF/MODUS button | Changes operating mode or turns the system on/off |
| 3. ESCAPE button | Return to previous menu or cycle Lighting, CO2, AUX/FAN and VDP values |
| 4. + button | Increase shown target values |
| 5. - button | Decrease shown target values |
| 6. SET button | Go to settings menu |
| 7. LED power indicator | Shows actual power output |

3.2 NAVIGATION

With the 5 buttons you can easily navigate the complete menu with all it's status displays and settings. The buttons have the following functionality:

OFF/MODUS

Toggle the operating mode from always on to always off and timer modes. Repeatidly press the OFF/MODUS button to set the desired mode. Each setting will be explained in chapter 3.

ESCAPE

Toggle the available status screens to quickly find programmed and actual values of all elements. Repeatedly press the ESCAPE button to cycle through all displays. When in a settings menu, use the ESCAPE button to return to a higher level menu.

SET

All settings are in the SET menu. Press once to enter the settings and again to enter the shown setting. Some menu's have two or more levels of settings to be adjusted, others just one. Cycle through with clicking SET again and use + and - to change the values.

When in the top level, where the programmed value is shown, use the + and - buttons to navigate all settings. In chapter 3.4, a complete menu overview is available to be used as a guide.

3.3 FIRST USE - SELECT FIXTURE MODEL AND TIME/DATE

When using the Dimlux Maxi Controller, we first need to set the correct type of used fixture. Navigate to SET and the - to find the model menu.

SET > Model > SET > +/- to select

Note: when your model is not listed in the Maxi Controller, you are using outdated software. Contact your dealer to get the Maxi Controller updated. When the model is not set correctly, the Maxi Controller does not work properly.

We strongly recommend to set the correct time and date before you start using the system daily.

SET > Time > SET > +/- to adjust

3.4 FULL MENU STRUCTURE

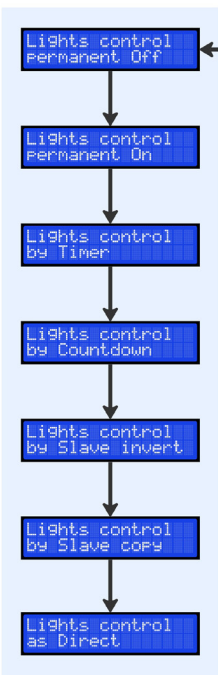
In this overview you can easily find all status displays and settings menu's. In chapter 3.7 we'll dive into each setting and display.

Part 1 - Quick lighting & system settings

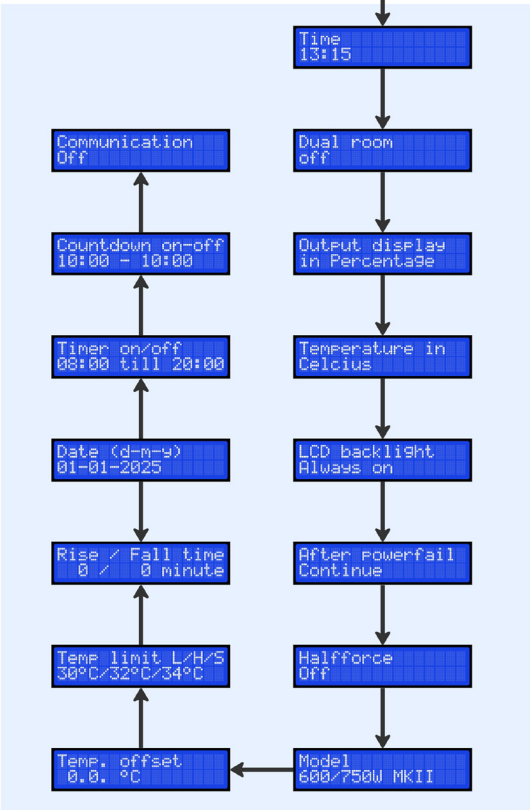
Access the quick lighting control settings: click Modus and repeat to toggle

Access the system settings: click SET and +/- to navigate. To change a setting, click SET and use +/- to change the setting/value.

Light control mode

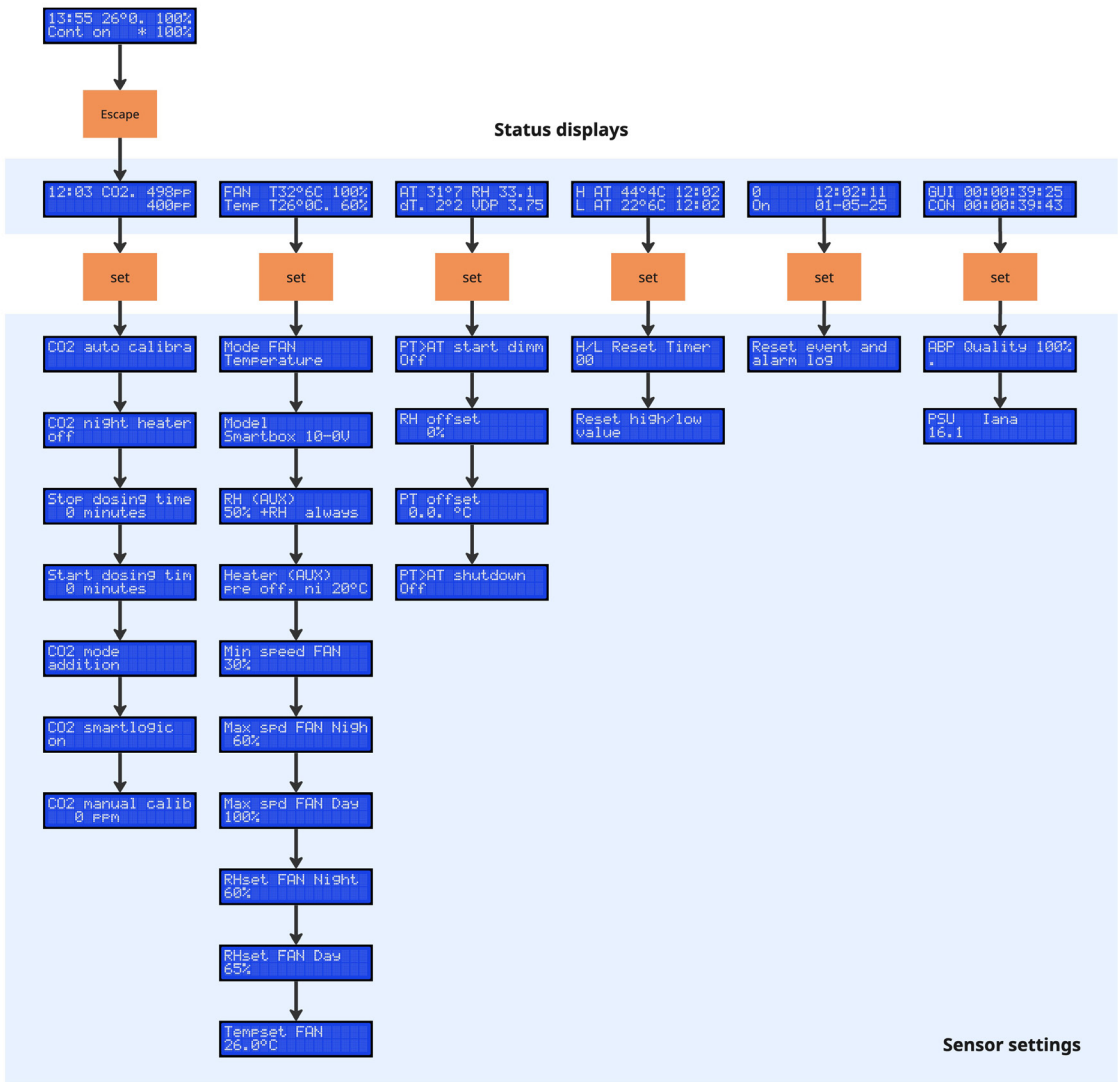


System settings



Part 2 - Status & sensor settings

Access the status displays with all relevant values with ESCAPE. Toggle ESCAPE to cycle all value windows
Access the sensor settings per sensor screen. When on the correct sensor window, click SET to enter the corresponding settings. Use +/- to navigate. In the desired screen click SET again and use +/- to change the setting/value.



3.5 MENU EXPLAINED

The system is designed around four pillars as shown in chapter 3.4. The top level main display is the status display that shows most important values like time, light control mode, programmed alarm, temperature and lighting output.



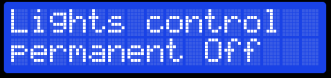
14:15 12°6 100%
cont on * 100%

- | | |
|-----------------------|---|
| 1. Menu type | Expert or advanced control. determines the available menu's |
| 2. Light control mode | Lighting control templates. quickly cycle most common options |
| 3. Status displays | Target and actual values of all measured elements |
| 4. Settings menu | Change settings |

Light control mode

The light control modes are easily accessible templates to quickly change operation. Use the MODE/OFF button repeatedly to cycle through the options.

Permanent off All lights are off



Lights control
Permanent Off

Permanent on All lights are on



Lights control
Permanent On

By timer Uses the timer setting in the SET menu



Lights control
by Timer

By countdown Uses the countdown setting in the SET menu



Lights control
by Countdown

By slave copy Sets unit to follow mode when a 2nd Maxi Controller is connected with the ABP port, adapts settings from leading Maxi Controller



Lights control
by Slave copy

By slave invert Sets unit to follow mode when a 2nd Maxi Controller is connected with the ABP port, but inverts the settings



Lights control
by Slave invert

Status displays

Shows different versions of the various measured elements like VDP, CO2 and timers. Use the ESCAPE button repeatedly to cycle through the options. All menu's have sub-menu's that can be accessed with SET and navigated with the + and - buttons.

CO2 Shows time and CO2 target and actual levels



12:03 CO2. 498PPM
400PPM

FAN Shows target and actual speed and temperature target and actual levels



FAN T32°6C 100%
Temp T26°0C. 60%

VPD Shows actual temperature, relative humidity, delta temperature (difference between air and plant temperature) or plant temperature and the calculated Vapor Pressure Deficit. A healthy delta is around 2 degrees Celcius (Air higher than Plant temperature).



AT 31°7 RH 33.1
dT. 2°2 UDP 3.75

HIGH-LOW Shows highest and lowest measured air temperatures, relative humidity, plant temperature or CO2 levels and when they were recorded. Cycle with + / -



H AT 44°4C 12:02
L AT 22°6C 12:02

Alarms Displays the number of alarms. Click SET to cycle alarms.



0 12:02:11
On 01-05-25

GUI/CON Time the user interface and controller are online.



GUI 00:00:39:25
CON 00:00:39:43

Sensor Settings

Change how the sensors behave and read all needed values. Calibrate and set target values for all connected sensors. Check chapter 3.4 for navigation to each menu.

CO2 > auto calibrate	Automatically calibrate the CO2 sensor based on outside values. Place the sensor outdoor to for a reliable reading and calibration.	CO2 auto calibra
CO2 > night heater	Use a CO2 generator (not a CO2 cannister) as a heater in night time.	CO2 night heater off
CO2 > Stop dosing time	Stops the adding of CO2 x minutes before day time ends	Stop dosing time 0 minutes
CO2 > Start dosing time	Starts the adding of CO2 x minutes after day time starts	Start dosing tim 0 minutes
CO2 > mode	Sets CO2 dosing mode: addition or removal	CO2 mode addition
CO2 > smartlogic	Corrects overshoot or undershoot dynamically of CO2 addition or removal	CO2 smartlogic on
CO2 > manual calibration	Manually calibrate the CO2 sensor with a calibrated measurement device	CO2 manual calib 0 PPM
FAN > Mode	Set FAN operation mode. When to activate or de-activate based on chosen parameter	Mode FAN Temperature
FAN > Model Smartbox	Select Smartbox model for used FAN	Model Smartbox 10-00
FAN > RH (AUX)	Relative Humidity target for connected (de)humidifier	RH (AUX) 50% +RH always
FAN > Heater (AUX)	Temperature target value for connected heater	Heater (AUX) Pre off, ni 20°C
FAN > Min Speed Fan	Sets minimum speed of the FAN	Min speed FAN 30%
FAN > Max Speed Night	Sets max speed of the FAN during the night cycle	Max spd FAN Nigh 60%
FAN > Max Speed Day	Sets max speed of the FAN during the day cycle	Max spd FAN Day 100%
FAN > RH set FAN Night	Sets target RH value for night time, FAN to activate to regulate	RHset FAN Night 60%
FAN > RH set FAN Day	Sets target RH value for day time, FAN to activate to regulate	RHset FAN Day 65%
FAN > Tempset	Sets target temperature to activate or de-activate FAN	Tempset FAN 26.0°C

VPD > AT start dimm	Sets value to dim lighting when the plant temperature is x degrees higher or lower than air temperature.	PT>AT start dimm Off
VPD > RH Offset	Calibrates the relative humidity sensor. Use a calibrated sensor as a reference.	RH offset 0%
VPD > PT Offset	Calibrates the plant temperature sensor. To calibrate: hang a sheet of standard white paper in the shade in the grow room and point the PT camera sensor to the sheet for 20 minutes. Adjust the temperature to the measured air temperature. They must have the same value.	PT offset 0.0. °C
VPD > AT shutdown	Sets value to shutdown lighting when the plant temperature is x degrees higher or lower than air temperature.	PT>AT shutdown Off
H/L > Reset Timer	Resets timer for highest and lowest measured temperature	H/L Reset Timer 00
H/L > Reset High-Low	Resets temperature values for highs and lowest measured temperature	Reset high/low value
H/L > Reset eventlog	Resets complete log of highest and lowest measured temperature values	Reset event and alarm log
GUI > ABP Quality	When a HPS based lighting loop is closed with the ABP port the quality of the signal is shown.	ABP Quality 100% .
GUI > PSU	Shows actual input voltage of the power supply. Always use a 16v power supply.	PSU Iana 16.1

Settings menu

The settings menu is fully or partially available depending on the menu type you have selected. Click SET once to enter the menu and + / - to navigate up and down. Click SET again to change the selected values.

TIME	Change the internal clock	Time 13:15
DUAL ROOM	Set to on when you want to control two rooms with a single controller. OUT1 and OUT2 will act as a separate room. <i>Note: Connect a second temperature controller in port 7 (chapter 1.2) for the second room. The Humidity sensor cannot be used in this configuration so the system cannot calculate VPD values. Use a second Maxi Controller to negate this.</i>	Dual room off
OUTPUT DISPLAY	Select how the power output is displayed. Watt or percentage	Output display in Percentage
TEMPERATURE	Select in what unit type the temperature is displayed. Celcius or Fahrenheit	Temperature in Celcius
LCD BACKLIGHT	Select the behaviour of the LCD backlight	LCD backlight Always on
AFTER POWERFAIL	Sets behaviour after a power outage	After powerfail Continue
HALFFORCE	Sets lighting power output to 50 percent by checkerboarding	Halfforce Off
MODEL	Select the fixture model and power output you want to operate. <i>Note: the Xplore and Xtreme LED (make sure to choose the correct version, with or without add-ons) activate extra menu options listed in chapter 3.6.</i>	Model 600/750W MKII
TEMP OFFSET	Sets air temperature offset. To be used after calibration with 3rd party temp. sensor.	Temp. offset 0.0. °C
TEMP LIMIT L/H/S	Sets maximum temperatures for Low, High and Shutdown before the systems dims, sets to halfforce or shutdown.	Temp limit L/H/S 30°C/32°C/34°C
RISE / FALL TIME	Period the lighting slowly rises from off to full and back to simulate nature	Rise / Fall time 0 / 0 minute
COMMUNICATION	Set Modbus address for self programmed remote control or building management system.	Communication Off
COUNTDOWN ON-OFF	Bypasses 24hr timer by an absolute timed window	Countdown on-off 10:00 - 10:00
TIMER ON/OFF	Sets the time from rise to fall: daytime	Timer on/off 08:00 till 20:00
DATE	Set current date	Date (d-m-y) 01-01-2025

3.6 LED CONTROL

When Dimlux LED fixtures, Xplore or Xtreme, are connected and selected in the Maxi Controller, extra menu's appear in the settings menu. Both the Xplore and Xtreme fixtures, with or without add-ons have specific features that can be operated with the Maxi Controller.

Xplore - additional menu's

SCHEDULE Program the lighting schedule in timing



CHANNELS Set lighting values for the LED and NIR/UVA add-ons



Xtremell - additional menu's

UVB SCHEDULE Set the UVB add-on schedule



SCHEDULE Program the lighting schedule in timing and individual RED and NIR color channels



CHANNELS Set the individual RED and WHITE channels, NIR and UVA and B:R ratio (Blue-Red) channels



3.7 CONTROLLER SYMBOLS

The menu is enhanced by a selection of symbols that are displayed when applicable:

Main display

! = Temperature sensor is not present
L = Low dim temperature control activated
H = High dim temperature control activated
S = Shutdown because of overheat
P = Temperature control PT plant temperature activated
X = Shutdown overheat PT plant temperature activated
B = Halfforce checkerboarding ON

CO2 display

! = CO2 sensor not present
* = CO2 dosing or heating activated
X = CO2 Off due lamp overheat activated
J = CO2 sensor jammed
P = CO2 off due plant temperature
1 = CH4 gas alarm (fire/toxic)
2 = CO carbon monoxide alarm (toxic)

4. WARRANTY

4.1 WARRANTY STATEMENT

The Dimlux Smartbox series and accessories are designed and manufactured with maximum care and craftsmanship. Airlux Technologies warrants the delivered goods to be free of defects for the duration of the applicable warranty period under normal use and conditions after the original purchase date. When the product shows any defects within this period that is not due to improper use, Airlux Technologies will replace or repair the defect product with a suitable replacement with at least the same functionality and specifications. Warranty of the replaced products will remain under warranty for the remaining period from the original product and purchase date. For service, the owner ships the unit to the closest Airlux Technologies service location, to be determined by the service desk. Airlux Technologies will require the original receipt to determine the warranty eligibility.

To contact the support desk:

By Phone: +31 20 776 6006

By e-mail: support@airluxtechnologies.com

4.2 KNOWLEDGEBASE



Direct link:

www.dimlux.nl/knowledge-base

Scan the QR-code to go to our online knowledge base for the latest manuals and information