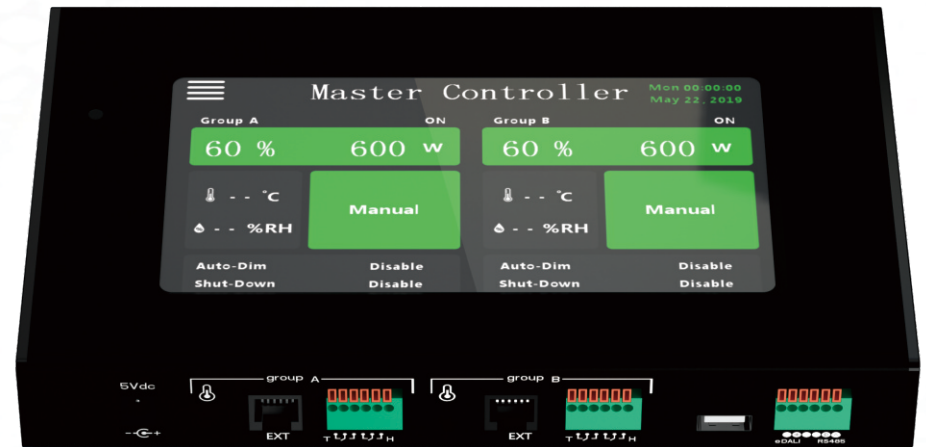




Platinum Touchscreen Controller

Switchable Spectrum (up to LED fixture)



▲ SAFETY WARNING

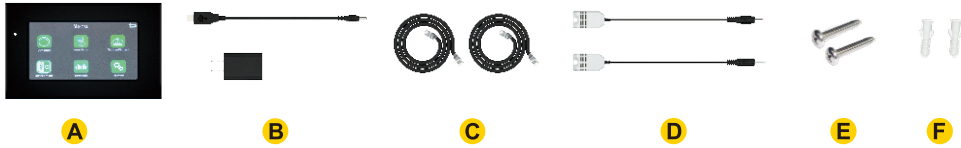
1. Keep the touchscreen controller in a cool and dry environment, away from dust, dust, heat and moisture.
2. Make sure all RJ and power cords are safely routed away from heat, moisture, mechanical movement or any thing that may damage cords.
3. Do not use abrasives, acids or solvents to clean master controller. Use a soft, dry cloth to clean controller.
4. Do not attempt to disassemble or repair the master controller. This will void controller warranty
5. Touchscreen controller are designed to work with GC RJ14 data cords. Using other brand or non-RJ14 data cords could cause malfunctions and may void warranty

Product Advantage

- No need for a switchboard
- Easy and safe installation (low voltage device)
- Protected against short circuit
- Double temperature safety feature
- Control up to 160pcs fixtures
- Show output as W or %
- Auto shutdown at temperature setting



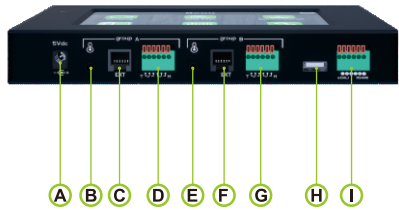
1. Components



A. Touchscreen Controller **B. 120-240V AC - 15V DC power adapter (1000mA)** **C. External RJ14 Network cable**

D. 2x Temperature/ humidity sensor with cable (5m/16ft) **E. 2x Countersunk screw** **F. 2x Plug**

2. Connections



CONNECTIONS	
A	DC 5V Power Input
B	3.5mm jack aux temperature/ humidity sensor
C	RJ14 aux port for controlling up to 160pcs fixtures
D	Relay switch controlled by temperature/ humidity sensor
E	3.5mm jack aux temperature/ humidity sensor
F	RJ14 aux port for controlling up to 160pcs fixtures
G	Relay switch controlled by temperature/ humidity sensor
H	USB
I	eDALI/RS485 Signal Output

3. Preparations

Mount the fixtures or ballasts as per your lighting plan.
Make sure the rotary knob on all ballasts is set to "EXT" (external control).
Connect the ballasts or fixtures to the mains

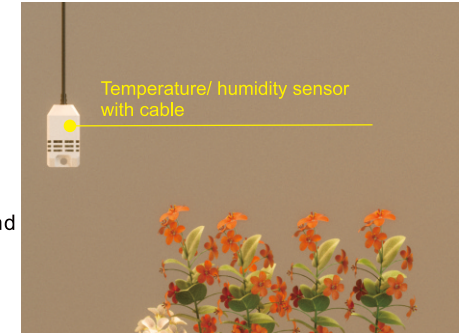


4. Power supply and initial setting

- Mount controller onto a secure surface using the screws supplied with the controller.
Notice: Make sure the controller away from heat sources.
The distance between the center of each mount hole is 10cm
- Connect the power cord into the touchscreen controller and power source.

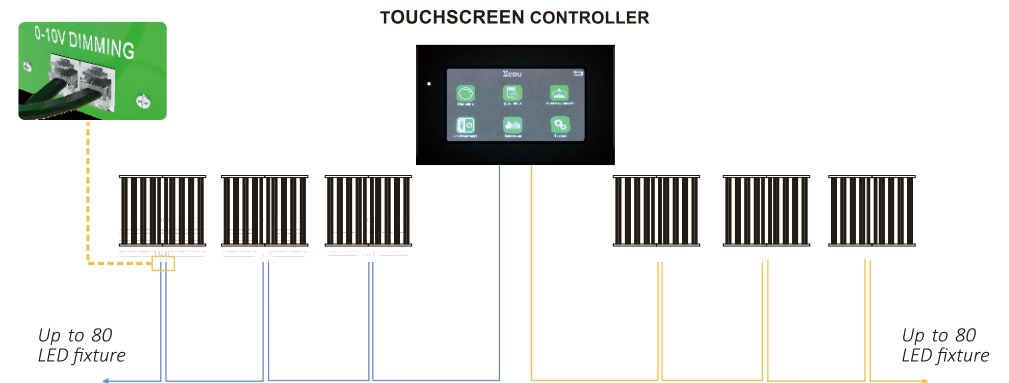
5. Information of temperature and humidity sensor and Installation:

Connect the temperature and humidity sensor plug into the smart controller temperature and humidity sensor port in Group A. Hang the sensor at canopy height making sure the sensor and cord are hung and routed away from direct heat sources.
Repeat install with port in Group B, if necessary.



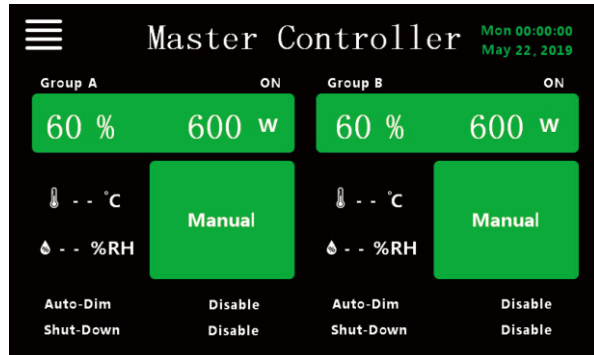
6. Connecting the smart controller to light fixtures:

Connect one end of the RJ14 cord to the Touchscreen controller A port, the other end to the A port

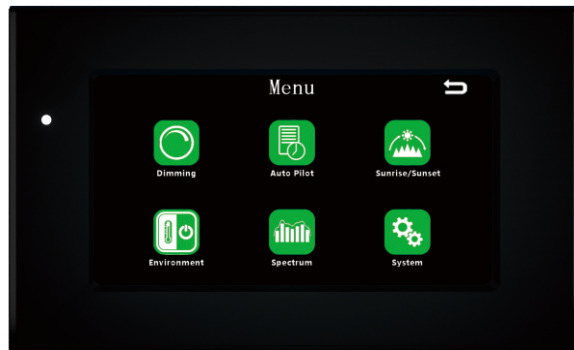


7. Menu Display

- 7.1. Displays power level in percentage and watts. Touch this tab to access the “Dimming Menu”.
- 7.2. Touch the date and time for access to the controller clock and calendar
- 7.3. Displays “Auto Dim” mode. Touch for access to temp and auto dim settings.
Shows ambient temperature and relative humidity data.
- 7.4. Touch the top left button to access the main menu



8. Menu



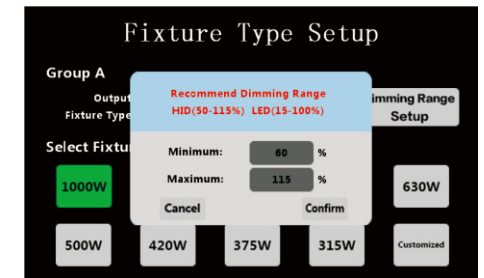
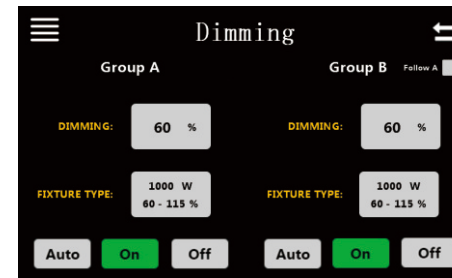
- 8.1. Touch “Dimming” to access power level settings.
- 8.2. Touch “Auto Pilot” to access “Daily or Custom Cycle” options and program timer settings.
- 8.3. Touch “Sunrise/Sunset” options to set graduated timers, activate and deactivate settings.
- 8.4. Touch “Environment” to access emergency dim and shut off options that protect the crop from excessive heat in the event the environment exceeds selected a temp range.
- 8.5. Touch “Spectrum” for spectrum selection.
- 8.7. Touch “System” to access general settings and system options.

9. Dimming Menu

- 9.1. Touch to select Group A or Group B to adjust or view settings. Touch “Dimming” to adjust dim settings from 50%-115% with HID and 15%-100% with LEDs.
Touch “Auto” to turn on or turn off the light according to the timer setting.

- 9.2. Touch “Fixture Type Setup” to select fixture type and power levels. Touch and select fixture type or select “Customized” if wattage is not shown. Touch “Dimming Range Setup” to program min. and max. Power levels.

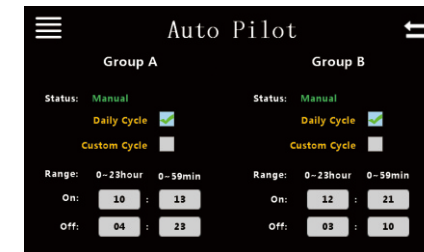
NOTE: Minimum settings for HID must be at 50% or higher for lamps to ignite and Minimum setting for LED 15% or higher.



10. Auto Pilot

- Touch and select “Daily Cycle” to run dimmer in conjunction with the clock.
Touch and choose “Custom Cycle” to select the number of hours the clock fixture will be on or off.
Touch “On” and “Off” time settings to adjust Auto Pilot timers. Be aware of cycle setting when programming timers.

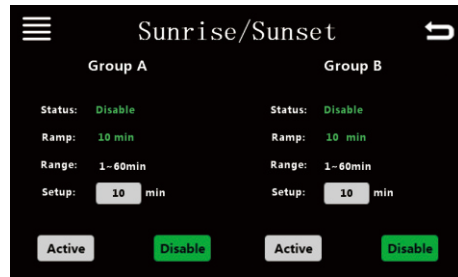
NOTE: Custom Cycle example setting 9:00 and 19:00 would mean the light is set for 9 hours on and 19 hours off and NOT on at 9:00 and off 19:00 hours.



11.Sunrise/Sunset Menu

Touch the minute value to adjust "Sunrise/Sunset" settings from 10-60 minutes. Touch to Activate or Disable the Sunrise/Sunset settings.

NOTE: Sunset setting will dim lights before scheduled off time and lights will be off by scheduled time.



12.Environment Menu

Touch "Auto-Dim" to set the temperature at which the controller will dim the lights in case of excessive heating.

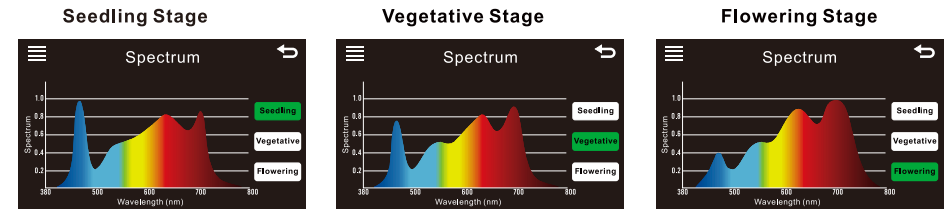
Touch "Shut-Down" to set the temperature at which the controller will turn off lights in case excessive heat continues.



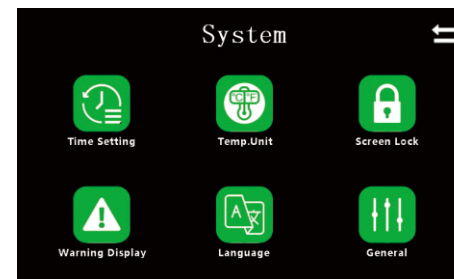
13.Spectrum Menu

Select the spectrum which is suitable for different stage of the plants.

Note: This function needs to match with the switchable spectrum grow light produced by our company, or it is ineffective



14.System Menu



- 14.1. Touch for access to "Time Settings".
- 14.2. Touch for access to Fahrenheit or Celsius temperature selection.
- 14.3. Touch for access to "Screen Lock".
- 14.4. Touch for access to "Warning Display".
- 14.5. Touch for access to "Language" option.
- 14.6. Touch for access to "General" settings.



Press this button for lock screen, the indicator light blinking, press again for unlock screen, the indicator light off.