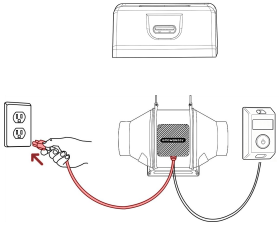
User Manual for the Mini Control Screen

I. Device Connection

①: Power on the device and plug the Type-C cable into the controller's Type-C port.

②: The system will automatically detect external accessories (PUMP, DEHUMID, LIGHT, DUCT FAN, HUMIDIFIER, HEATER, CLIP FAN) via Type-C. The interface will then switch to the specific page for that device.



The same procedure applies to all power-consuming devices

* Ensure the signal cable is firmly connected between the controller and the device. This applies to all electrical equipment.

II. Controller Operation Methods

①: The physical single button supports three operation modes: short press, double press, and long press.

②: Single Short Press: Increments the currently flashing value by 1. Once the upper limit is reached, it automatically resets to zero and cycles. If no button operation is detected for 10 seconds, the characters stop flashing.

③: Quick Double Press: Decrements the currently flashing value by 1. When the value reaches the lower limit of 0, it automatically jumps to the maximum value of that parameter and cycles. If no button operation is detected for 10 seconds, the characters stop flashing.

④: Long Press (2-5 seconds):Switches to the next adjustable parameter entry. After switching, the new entry is highlighted and its value flashes. All entries

cycle in a loop; after reaching the last entry, it returns to the first. If no button operation is detected for 10 seconds, the characters stop flashing.

⑤: Long Press (10 seconds):The device enters pairing mode. Open the Tuya Smart app, search for and bind the controller within the app to complete the pairing process. Once successfully paired, the app takes over device control.

III. App Connection

1) Software Compatibility and Connection Activation

①: Download and install the Tuya/Tuya Smart app.

** Software Compatibility:*
iOS:11.0 or later
Android:7.0 (Nougat) or higher

②: Enter pairing mode: Long-press the controller's circular physical button for 10 seconds.

③: Open the app and search for the controller via Wi-Fi to complete device pairing.

④: Once connected, the controller screen will show the APP- control prompt interface, and the device enters APP- controlled mode. Local physical buttons will be disabled; all operations can only be performed via the APP.

⑤: When under “APP controlled” mode, local button operations are unavailable. Exit APP control mode to re-enable local buttons.

IV. App Operation Examples

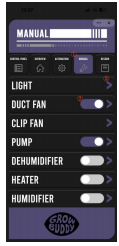
①: Four main function tabs are arranged vertically on the left side of the app interface: Overview[①], Auto Mode[②], Manual Mode[③], and Records[④].

②: Two function buttons are arranged vertically on the right side of the app interface: Auto[⑤]Mode and Manual[⑥] Mode.

③: Tap the corresponding function button to quickly jump to the relevant function interface.

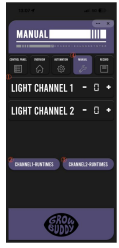
④: This controller model supports operation only within the Manual Mode interface. If you need to use the functions of other interfaces, please use a controller of the corresponding model.

V.Manual Mode Settings



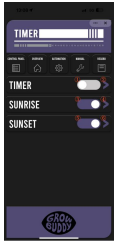
①: Tap the Manual button to enter.
②: Toggle the device ON/OFF.
③: Tap“>”next to any device for Device setup instructions below.

Grow Light



①: Adjust brightness for Channel 1/2:0-10 .
②: Set the timing for Channel 1 Standard /Sunrise &Sunset (See next item for details)
③: Set the timing for Channel 2(You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).
④: After setting up the Grow Light,return to the Manual interface to configure other parameters.
* Channel 1 controls the full-spectrum light. Channel 2 controls the UV light (except 120W/240W models, which require UV control to be set on the light body and cannot be toggled via Channel 2).

Timer Menu



①: Toggle the device ON/OFF.
②: Tap“>”next to Set on/off time,gear,and repeat days
③: Toggle the device ON/OFF.
④: Tap“>”next to Set the duration,start and end brightness level,and repetition days of sunrise
⑤: Toggle the device ON/OFF.
⑥: Tap“>”next to Set the duration,start and end brightness

level,and repetition days of the sunset

* The Standard Timer and Sunrise &Sunset Timers cannot run simultaneously.Enabling one will automatically turn off the other.

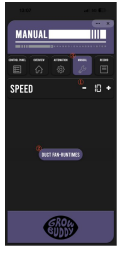
Sunrise &Sunset Timer

①: Set the start time of the dimming cycle.
②: Set the duration of the gradual brightness transition.
③: Set the dimming level at the start of the cycle
④: Set the dimming level at the end of the cycle.
⑤: Select the days of the week for the timer to repeat.
⑥: Verify all parameters and click“SAVE”to confirm your settings.

* Both sunrise &sunset timers must be enabled to form a full cycle;single activation will cause constant lighting Or turn off the lighting.

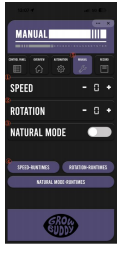
* Sunrise:Start Brightness End Brighthess Incorrect settings will disable the cycle.

Duct fan



①: Adjust speed:0-10 .
②: Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).
③: After setting up the Duct fan,return to the Manual interface to configure other parameters

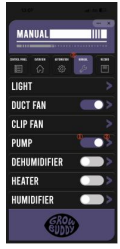
Clip Fan



①: Adjust speed:0-9 .
②: Oscillation level:0-5.
③: Toggle Natural mode ON/OFF.
④: Set a timer (You need to set at least one ON command

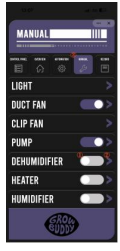
and one OFF command;multiple ON/OFF cycles are also supported).
⑤**:** After setting up the Clip Fan,return to the Manual interface to configure other parameters.
* The natural wind mode will override the Clip Fan speed setting. Turning it off can restore the speed.

Pump:



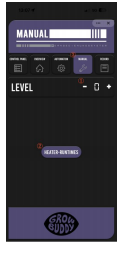
①**:** Toggle the device ON/OFF.
②**:** Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).
③**:** After setting up the Pump,return to the Manual interface to configure other parameters.

Dehumidifier:



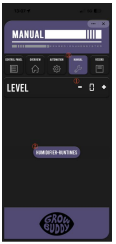
①**:** Toggle the device ON/OFF.
②**:** Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).
③**:** After setting up the Dehumidifier,return to the Manual interface to configure other parameters.

Heater



①**:** Adjust speed:0-10 .
②**:** Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).
③**:** After setting up the Heater,return to the Manual interface to configure other parameters.

Humidifier



①:Adjust speed:0-10 .
②:Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).

③:After setting up the Humidifier,return to the Manual interface to configure other parameters.

VI.UI Interface Introduction

Grow Light

①:The right side of the screen displays CH 1 and CH 2, corresponding to Channel 1 and Channel 2 respectively.

②:Both CH 1 and CH 2 support 0–10 levels of brightness adjustment.

Duct fan

①:Interface Overview：The left side of the screen displays the duct fan icon, and the number on the right (e.g., 9) represents the current fan speed level.

②:Speed Adjustment Supports 0–10 levels of stepless speed control to adjust the fan speed as needed.

Clip Fan

①:Adjust speed:0-9 .The main number on the right side of the screen shows the current level in real time

②:Oscillation ： Independent 0–5 oscillation levels, separate from speed control.

③:Timer & Exit：Cycling past level 10 (back to 0) exits Natural Wind mode and restores the numeric level display.

④:The wave icon stays visible on the screen at all times; it indicates the speed/natural-wind indicator area.

⑤:After setting up the Clip Fan,return to the Manual interface to configure other parameters.

Pump:

①:ON / OFF Switch:Control the pump using the power icon on the screen:

②:Solid power icon= ON: pump runs, drip irrigation activated.

③:Outlined (ring) power icon = OFF: pump stops, drip irrigation off.

④:Tap to toggle between ON and OFF.

Dehumidifier:

①:Toggle the device ON/OFF.

②:Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).

③:After setting up the Dehumidifier,return to the Manual interface to configure other parameters.

Heater

①:Adjust speed:0-10 .

②:Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).

③:After setting up the Heater,return to the Manual interface to configure other parameters.

Humidifier

①:Adjust speed:0-10 .

②:Set a timer (You need to set at least one ON command and one OFF command;multiple ON/OFF cycles are also supported).

③:After setting up the Humidifier,return to the Manual interface to configure other parameters.

VII. Common troubleshooting

Common Issues	Possible Causes	Solutions
Controller not found on APP	1. Not on 2.4G Wi-Fi 2. App outdated	1. Switch to 2.4G Wi-Fi & reconnect 2. Update Tuya Smart App
Device not responding to controller	1. Signal cable is loose. 2. Device power is off. 3. Incorrect mode selected.	1. Reconnect the signal cable properly. 2. Check the device power connections. 3. Switch to the correct "Auto / Manual" mode.
Timer function not working	1. Cycle execution date not selected. 2. Settings not saved. 3. Device manually turned off.	1. Select cycle dates after setting the timer. 2. Click "SAVE" to confirm the settings. 3. Ensure the device is in the ON state.
Plant grow light brightness cannot be adjusted	1. Wrong channel (120W/240W uses CH1) 2. Grow light off	1. Use Channel 1 for brightness (Manual) 2. Check grow light power & signal
Duct fan not spinning / Abnormal speed	1. Fan speed at 0 2. Power/signal loose	1. Set fan speed to 1-10 (Manual) 2. Reconnect power & signal
Clip fan not spinning / not oscillating	1. Oscillation gear set to 0. 2. Natural Wind mode is turned off.	1.Adjust the oscillation gear to 1-5. 2. Turn on the "Natural Wind" mode.
Water pump not working	1. Power cord is loose. 2. Timer is not set. 3. Water level is too low to submerge the pump inlet.	1.Reconnect the power cord properly. 2.Set the timer and click "SAVE". 3.Ensure the water level is above the pump inlet.
Dehumidifier fails to start	1. Dehumidifier tank full 2. Power/signal loose	1. Check tank & use drain hose 2. Reconnect power & signal
Heater fails to start	Power/signal loose	Reconnect the power cord and signal cable properly.
Humidifier fails to start	1. Humidifier empty 2. Power/signal loose	1. Refill tank (max level) 2. Reconnect power & signal
Controller frequently disconnects	1. Wi-Fi signal is weak. 2. Too far from the router. 3. Unstable power supply.	1. Move closer to router or use Wi-Fi extender 2. Keep within 10m of router 3. Use original power adapter

GROW BUDDY

EU&Manufacturer Information

EU-REP
JXGO SARL
79 rue de Patay 75013 Paris,FR(France)
E-mail:jxgo@hotmail.com

Manufacturer
Grembedi (Ningbo) Import and Export Co., Ltd
Address: Room 401, 4th Floor, Building B, No. 129, Jing' er Road,Xinpu Town West Industrial Zone, Ningbo City 315300,Zhejiang Province, China

service@grow-buddy.com

For after-sales support,scan the QR code below.
We will respond as soon as possible.Thank you for your trust.

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.