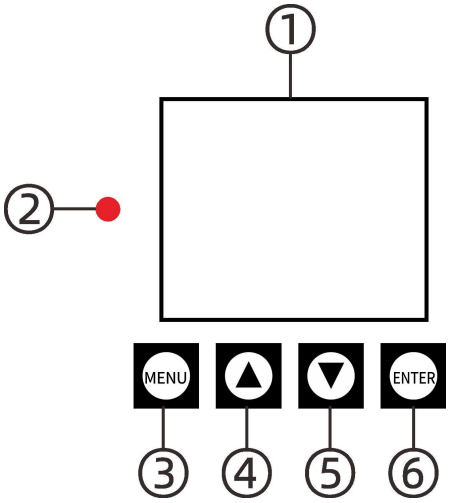
1.Control Panel



1. LED Display Screen
2. Indicator Light
3. Menu Button
4. Parameter Up Button / Upward Menu Selection
5. Parameter Down Button / Downward Menu Selection
6. Confirm Button

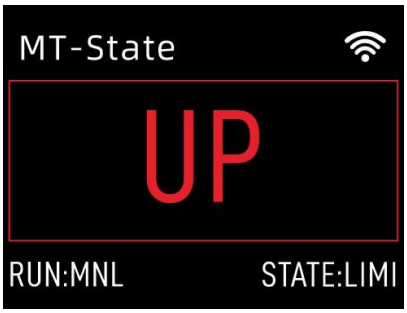
1.Display Screen Function Explanation

When the power cord is plugged in and the display screen lights up, it indicates that the power input is normal. The display screen shows the followin g interface. The current status is displayed as "STOP," which means the mot orized pantograph is neither extended nor retracted.

（1）Power-On State Without Signal Cable

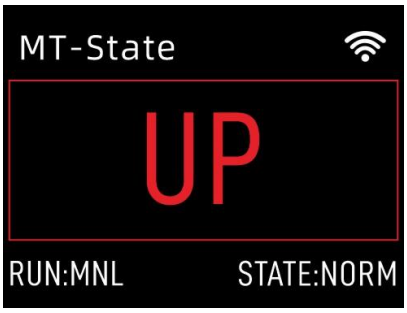
1. The lower left corner of the screen shows "RUN：MNL," indicating that the system is currently in manual control mode.

Press the parameter up button to display the following on the screen:



The lower right corner shows "State: UP" and the indicator light blinks, indicating that the pantograph has retracted to its limit and cannot be retracted further upward.

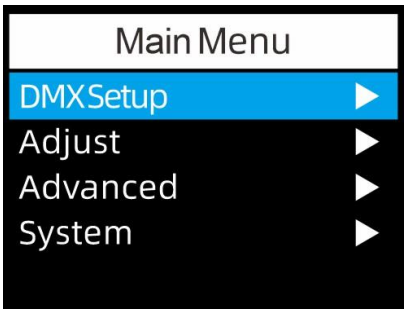
Press the parameter down button to display the following on the screen:



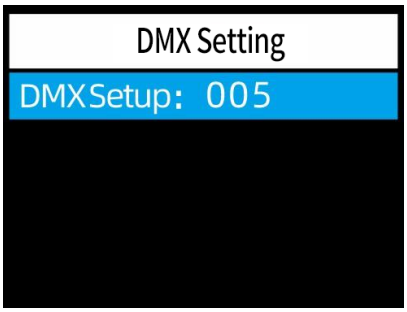
The lower right corner shows "State: NORM," indicating that the pantograph is retracting upward normally.

（2）Connecting the Signal Cable to the Pantograph and Connecting to the Control Console

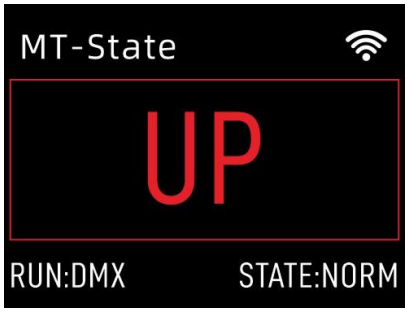
The lower left corner of the screen will display "RUN: DMX," indicating that the system is currently in console control mode.
Press the menu button on the control panel to enter the main menu interface (as shown in the figure below) and select the "DMX Settings" option.



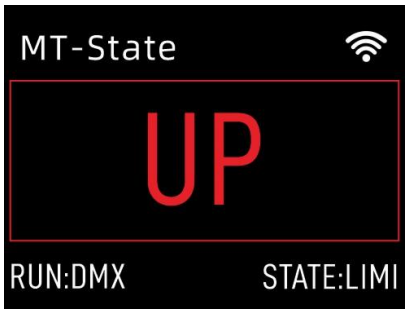
Press the confirm button to enter the "DMX Settings" interface. Use the up button to set the address code, for example, set it to 005.



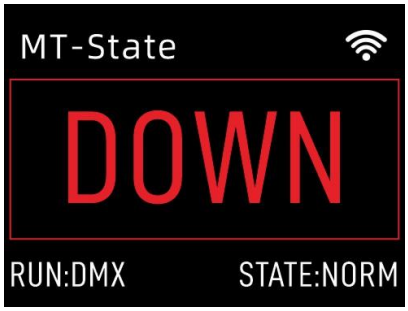
At this point, you can use the console's fader 5 to unlock the pantograph and then push fader 6 to raise (retract) the pantograph. The display screen will show the following:



When the Motorized Pantograph reaches its upper limit height, the lower right corner of the screen will change from “State: NORM” to “State: UP,” and the indicator light will blink. The display screen will show the following:

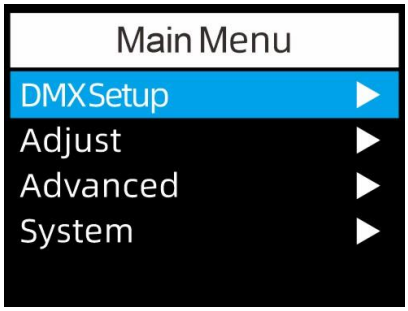


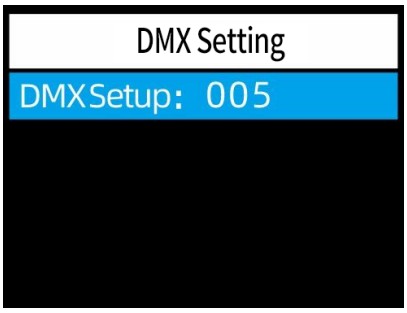
Push fader 7 to raise (retract) the pantograph. The display screen will show the following:



1.Main Menu Function Explanation

(1)DMX Settings

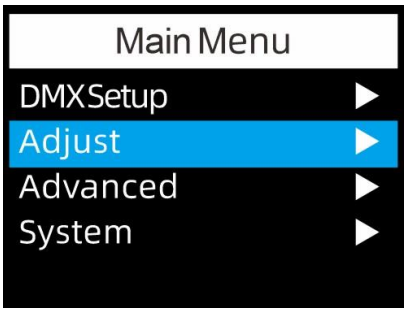




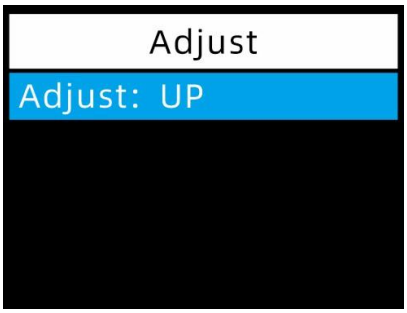
(2) Manual Adjustment Settings

1.DMX Setting

Press the menu button on the control panel to enter the main menu interface (as shown in the figure below) and select the "Adjust" option.Press the confirm button to enter the "Adjust" interface. The display screen will show "Adjust : STOP: ," with the interface as follows:



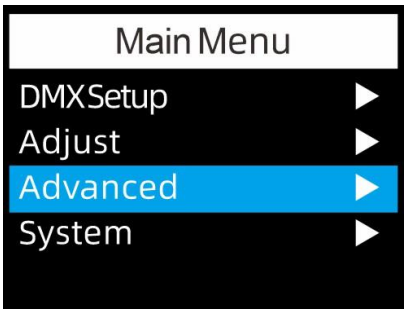
Press the up button to raise the pantograph (retract upward). The display screen will show the following interface:



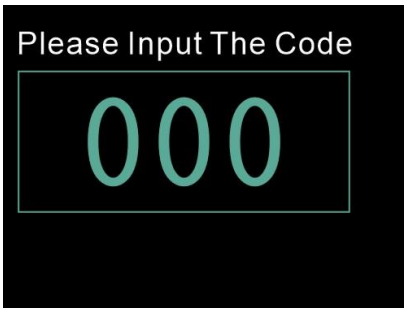
Press the down button to lower the pantograph (extend downward). The display screen will show the following interface:

(3) Advanced Functions

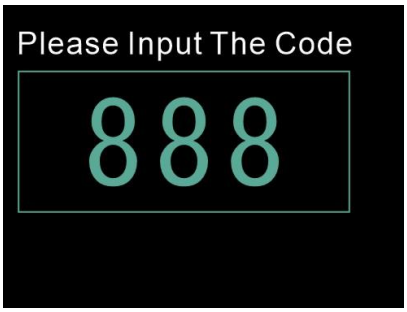
Press the menu button on the control panel to enter the main menu interface (as shown in the figure below). Use the down button to select the "Advanced " option.



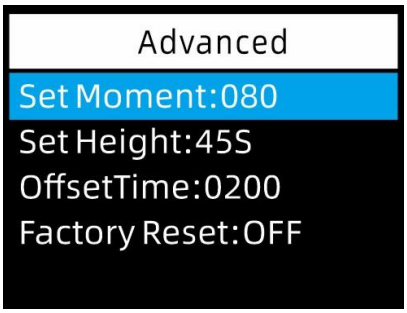
Press the confirm button to enter the password input interface. The display screen will show the following:



Follow the prompt and use the up or down button to adjust the value to 888 (unlock password)



Press the confirm button to enter the "Advanced " interface. The display screen will show the following:



1) Force Adjustment

"Set Moment" is used to set the force of the pantograph based on the weight of the suspended lighting fixtures (range 015~200). Experimental measurements have shown that a lighting fixture weighing around 15kg requires a force of approximately 80, and the factory default value is also 80. Adjust the value using the up and down buttons and press the confirm button to save the value.

2) Set Height：

This refers to the time required for the pantograph to reach its lowest height. Set the "Set Height" value based on the pantograph's maximum descent height. For a motorized pantograph with a maximum descent height of 2 meters, the time required to reach the lowest height is 30 seconds. For a pantograph with a maximum descent height of 3 meters, the time required is 45 seconds. Adjust the value using the up and down buttons and press the confirm button to save the value.

3) Offset Time

This is the buffer time for the motor when it starts and stops. Setting an appropriate buffer time helps protect the lighting fixtures by preventing sudden starts and stops. The value range is 0000~9999. The default setting is usually 0200. Adjust the value using the up and down buttons and press the confirm button to save the value.

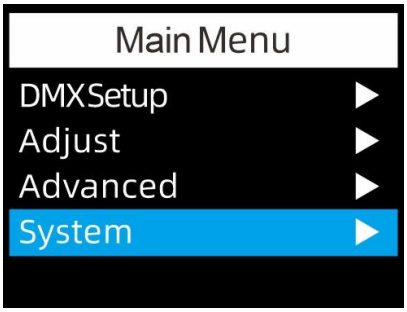
4) Factory Reset

If this function is activated and the confirm button is pressed, the control module of the pantograph will be reset to its factory default values.

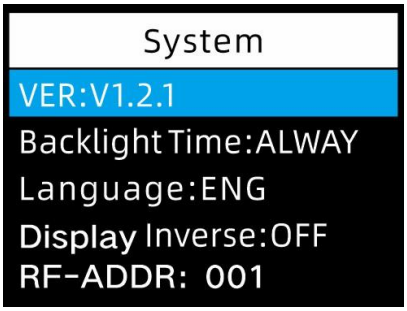
(4) S y s t e m

1) System Version

Press the menu button on the control panel to enter the main menu interface (as shown in the figure below). Use the down button to select the "System" option.

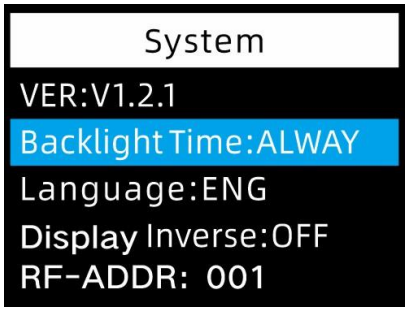


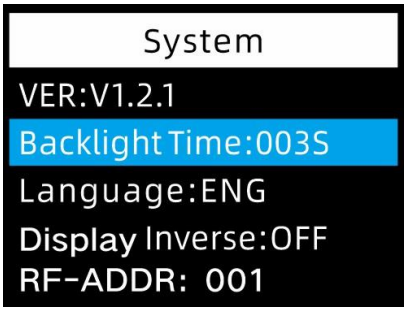
Press the "ENTER" button to enter the system settings interface. The display screen will show the following:

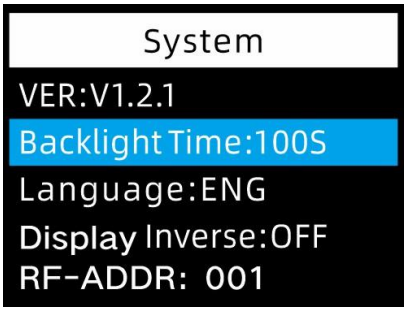


2) Backlight Time Setting

Use the down button to select the "Backlight Time" option. You can set the screen backlight time to always on (ALWAYS) or to a specific value (range 003S~100S). The screen will display the following (the value will be shown in red if it has not been confirmed and saved):

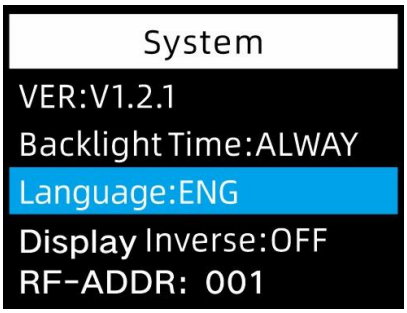




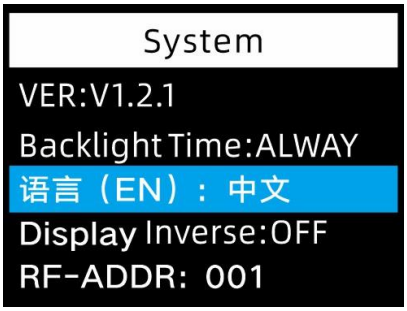


3) Interface Language Setting

Press the down button again to select the "Language" optio



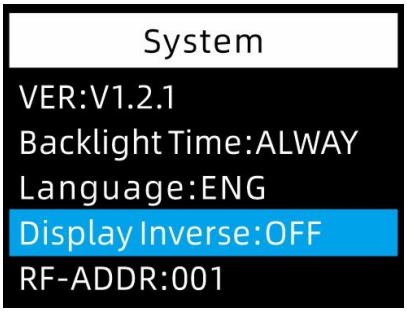
Press the confirm button. The display screen will show the following:



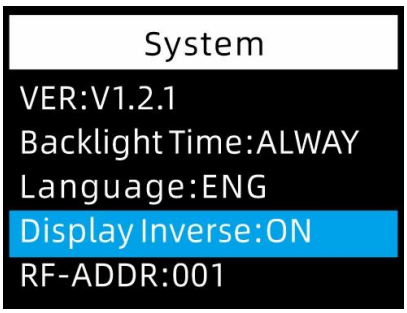
Press the "ENTER" button again to switch the Chinese display interface to English or vice versa.

4) Screen Display Inversion Settin

Press the down button again to select the "Display Inverse" option. Press the confirm button once, and the word "Off" will turn red.



Use the up or down button to enable Display Inverse.



Press the confirm button again to see the screen display in an inverted orientation, as shown in the figure below.