T-500D Controller Specification

technical parameter

- Operating temperature: -20-60℃
- Power supply voltage: DC12-24V
- Output type: TTL / SPI, DMX
- External size: 97 * 62 * 23mm
- Net weight: 85gg
- Gross weight: 105g
- Static power consumption: <1W
- Number of control IC: 512 points

Main interface display description:

1、Mode switching, speed switching

F 2 8 3 F represents a single built-in mode 28 represents the 28th mode 3 represents speed

-------》 Single press setting (set) key F to E (cycle mode)

Press "Mode +" or "Mode-" to directly switch the mode, a total of 108 styles.

Press "Speed +" or "Speed-", you can directly switch speed speed, 8 speed levels.

2. Power supply + switch power supply DC12-24V positive electrode, power supply-switch

power supply DC12-24V negative electrode

3. Full color signal output ground DAT / ADAT / B can control TTL signal and DMX signal (not addressed)

Note: When using DMX lamps, address and then connect to use.

A single controller can a customthe effect.

operation declaration:

I, chip select

Step 1: Long press set (set) 3S open, then enter the select IC model state (display: 512H, 512L, 1903,1914).

Step 2: press "mode +" or "mode-" can select different IC, IC model will show on the digital tube, control IC model: 512H (500K); 512L (250K), 1903 (the same protocol common), 1914.

II. Select the number of points

Step 1: Long press Settings (set) for 3S, and the previously set chip will be displayed.

Step 2: Press the setting (set) key again, (shown as LXXX), representing the point switch

Step 3: Single mode + or mode-can increase or reduce the number of points one by one, single speed + or speed-can increase 10 or 10 less points, digital customer display: L-001, the maximum number of IC can be selected: 512

Ⅲ、 Change the lamp channel

Step 1: Long press the set (set) 3S, and display the front set chip.

Step 2: Press only again, set the (set) key twice, (shown as: rgb), representing the channel switch.

Step 3: Single press mode + or mode-you can select the corresponding channel type (rgb, rbg, grb, gbr, bg, bgr).

IV、RGB / RGBW switch: Cd- -1 displays only when switching to CH-1, and RGB selects CH- -0.

Step 1: Long press the set (set) 3S, and display the front set chip.

Step 2: Press once again, set the (set) key three times, (displayed as: CH- -0), representing the RGB three-color mode.

From CH--1 onwards, the four-color mode RGBW is represented, but the position of the W channel depends on the digital number: as follows:

Step 3: Single press mode + or mode-you can choose the corresponding channel type (CH- -1 / CH- -2 / CH- -3 / CH- -4).

CH- -1: [WRGB], CH- -2: [RWGB], CH- -3: [RGWB], CH- -4: [RGBW]

Step 4: Press the Settings (Set) key again to display Cd- -1: which represents the white channel application in the four-color mode

Cd- -1: Disable mode: W is not enabled

Cd- -2: Energy saving mode: rgb monochrome is bright, the brighter the third color value, the brighter w, when the 3 colors are fully bright, only bright w

Cd- -3: highlight mode: for any light, the w light follows the color value

Cd- -4: White light animation mode: only bright w light

Cd- -5: wayward mode: GB and RGBW in the same program, rgbw light white light single bright, rgb light 3 color full bright white

V, set the RGB single-channel brightness

Step 1: Long press the set (set) 3S, and display the front set chip.

Step 2: Press again, set (set) four times, (show: R255), five times (show: g255),

Six times (shown as: b255), at the speed of ten times, mode plus or minus one time at one time.

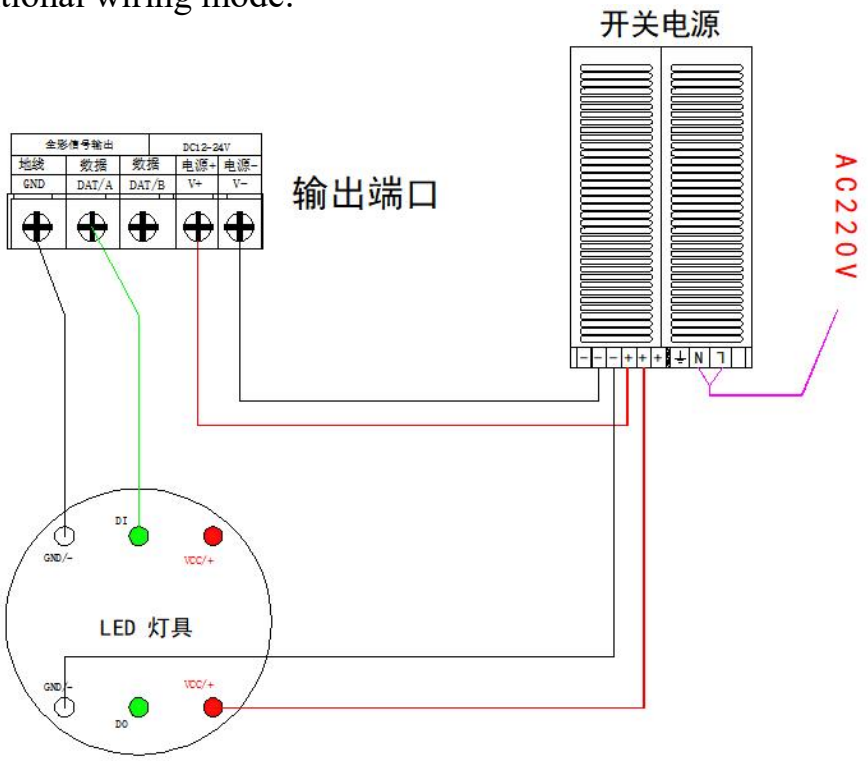
VI、the controller version

Step 1: Long press the set (set) 3S, and display the front set chip.

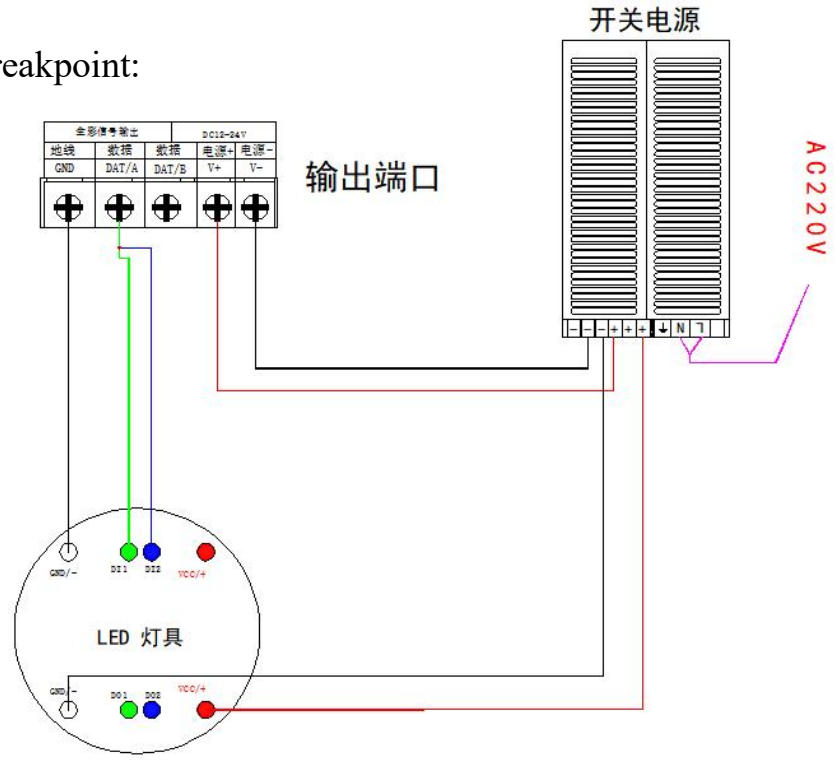
Step 2: Press the set (set) key again four times (displayed as: U422), which represents the controller version.

mode of connection:

TTL conventional wiring mode:



Method of breakpoint:



DMX512 Wiring method: