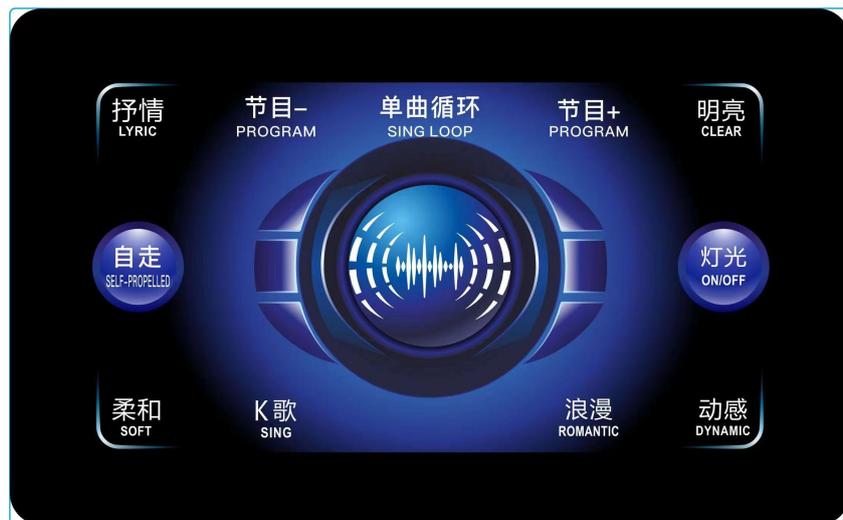


DMX512

Low-frequency recognition
Light and voice control box



GC-102B is a high-precision audio recognition voice control box that identifies low-frequency drums by collecting and analyzing input audio, Converted into high-speed DMX512 digital trigger signal, combined with the light and shadow series LED controller, to achieve sound and light linkage effect.

GC-102B has multiple modes to choose from:

1. Sound and light linkage mode
2. Voice controlled brightness mode
3. Voice controlled speed mode
4. Voice control brightness+speed combination mode
5. Automatic overall circulation (no longer recognize sound)
6. Soft mode (only loop through the first 5 programs)
7. Single loop mode (loop through a selected program)
8. Bright mode: Fixed display of the sixth program on the SD card

GC-102B is equipped with buttons and a display interface, which can quickly set parameters such as working mode, trigger delay, and the number of sound and light linkage scenes.

GC-102B can be connected to an external touch panel, with touch settings for working mode and light switches.

Specification parameters

Power input: DC 12V

Power consumption: 2W

Input trigger interface: audio interface+microphone

Output interface: RJ45 network cable interface

Output signal: DMX512

Working temperature: -20 °C~65 °C

Voice control box size: L68 × W95 × H26 mm

Touch panel size: 190 X 120 mm

Weight (gross weight): 0.6 Kg

Voice control box interface

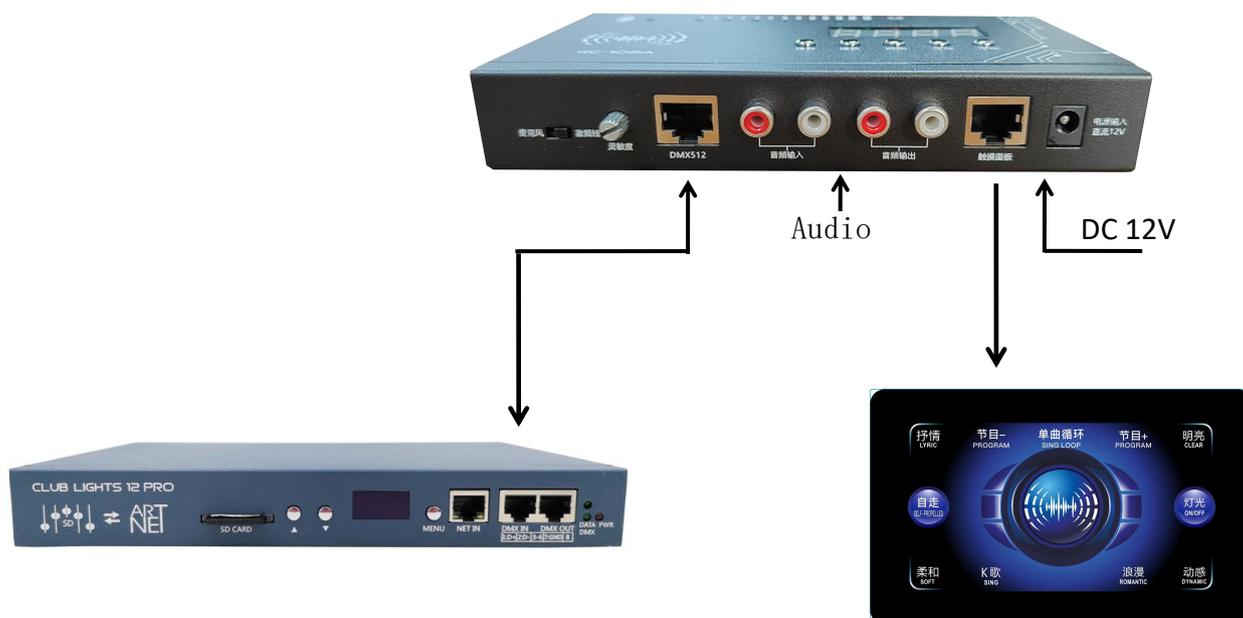


Sound source selection DMX512 Audio Panel DC 12V

Front of voice control box



Connection method of voice control box



Voice control box sound source selection

Switch to the left: microphone input

Switch to the right: Audio cable input

Knob adjustable sensitivity



Voice control box parameter settings



First digit: Mode selection (select with the "Mode" button)

1. Sound and light linkage mode
2. Voice controlled brightness mode
3. Voice controlled speed mode
4. Voice control brightness+speed combination mode
5. Automatic overall circulation (no sound recognition)
6. Soft mode (only loop through the first 5 scenes)
7. Single cycle mode
8. Bright mode: Fixed display of the sixth program on the SD card

Second digit: Trigger delay: represents the time for each low-frequency drum to trigger the light (select with the "Time" button)

The delay is divided into ten gears in total

Numbers 0 to 9 represent: 0.3 seconds, 0.5 seconds, 0.7 seconds, 1 second, 1.3 seconds, 1.5 seconds, 1.7 seconds, 2 seconds, 2.5 seconds, 3 seconds.

Third and fourth digits: total number of programs (select with the "ten digits per digit" button)

You need to set the number of programs in the light strip controller here. For example, if 60 programs are placed on the SD card of the light strip controller, you can set these two digits to 60 by pressing the ten digit button.

Usage of voice control box

Mode 1: Sound and light linkage

- Adjustable delay for triggering the light on
- In the programming of the light strip controller, the first 1-5 programs are made into default soft programs, the sixth program is bright, usually made into white light, and the seventh program starts as a dynamic program.

Sc-10-01.rgb
 Sc-09-01.rgb
 Sc-08-01.rgb
 Sc-07-01.rgb
 Sc-06-01.rgb
 Sc-05-01.rgb
 Sc-04-01.rgb
 Sc-03-01.rgb
 Sc-02-01.RGB
 Sc-01-01.rgb

Soft
mode

Sc-14-01.rgb
 Sc-13-01.rgb
 Sc-12-01.rgb
 Sc-11-01.rgb
 Sc-10-01.rgb
 Sc-09-01.rgb
 Sc-08-01.rgb
 Sc-07-01.rgb
 Sc-06-01.rgb

Bright
mode

- When there are no low-frequency drums, the default cycle is 1-5. When there are low-frequency drums, trigger 7 to start the program from now on.



First digit: 1 represents the current mode 1

Second digit: 2 represents the current delay of 0.7 seconds for lighting up

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

This mode can be set on the touch panel.

Mode 2: Voice controlled brightness

- Adjustable delay for triggering the light on
- Programs in the light strip controller, automatic loop playback
- When there are no low-frequency drums, the brightness is 0, and when there are low-frequency drums, the brightness is adjusted to the highest level.



First digit: 2 represents the current mode 2

Second digit: 1 represents the current delay of 0.5 seconds for lighting up

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

Mode 3: Voice controlled speed

- Adjustable delay for triggering the light on
- Programs in the light strip controller, automatic loop playback
- When there are no low-frequency drums, the speed is the lowest, and when there are low-frequency drums, the speed is adjusted to the highest



First digit: 3 represents the current mode 3

Second digit: 1 represents the current delay of 0.5 seconds for lighting up

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

Mode 4: Voice control brightness+speed combination mode

- Adjustable delay for triggering the light on
- Programs in the light strip controller, automatic loop playback
- When there are no low-frequency drums, the speed and brightness are the lowest, and when there are low-frequency drums, the speed and brightness are adjusted to the highest.



First digit: 4 represents the current mode 4

Second digit: 1 represents the current delay of 0.5 seconds for lighting up

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

Mode 5: Automatic overall cycle (no sound recognition)

- The programs in the light strip controller are automatically played in a whole cycle.
- During the loop, each program plays for ten seconds.



First digit: 5 represents the current mode 5

Second digit: Delayed lighting invalid

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

This mode can be set on the touch panel.

Mode 6: Soft mode, fixed loop 1-5 programs (no sound recognition)

- The program in the light strip controller automatically cycles through the first 1-5 programs.
- During the loop, each program plays for ten seconds.



First digit: 6 represents the current mode 6

Second digit: Delayed lighting invalid

The third and fourth digits: 60 represents that there are 60 programs in the SD card of the light strip controller (the third and fourth digits are set based on the actual number of programs in the SD card)

After setting up, press Save.

This mode can be set on the touch panel.

Mode 7: Single cycle mode (does not recognize sound)

- The program in the light strip controller enters a single cycle with no time limit.



First digit: 7 represents the current mode 7

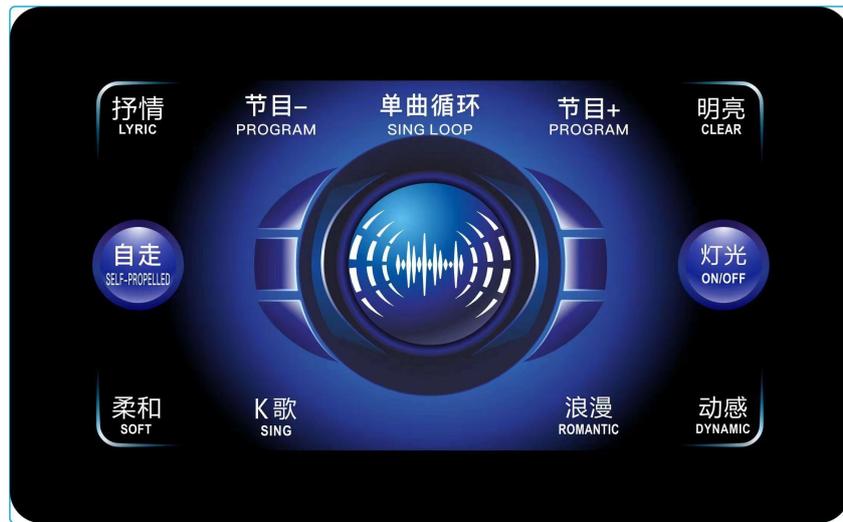
Second digit: Delayed lighting invalid

The third and fourth digits represent the program number. Press which program to cycle through the single

After setting up, press Save.

This mode can be set on the touch panel.

Introduction to Touch Panel



- The touch panel is powered by 12V and is powered from the voice control box through a network cable. The network cable sequence standard is 568B
- Tap 'Soft' and the voice control box will command the controller to cycle through the first 5 programs on the SD card
- Tap "CLEAR" and the voice control box will command the controller to play the 6th program on the SD card
- Tap "Dynamic" and the voice control box will command the controller to follow the audio drum to play the program from the 7th onwards on the SD card
- Tap "ON/OFF" to turn the lights on and off
- Tap "SELF-PROPELLED" and the voice control box will command the controller to enter all loops without recognizing audio
- Tap "Single Loop" to enter single mode, where "Program+" and "Program -" can switch between programs on the SD card

After copying the controller program, be sure to first select Mode 1 on the voice control box, set the number of programs, press Save, and then connect to the touch panel.

