

Large Size Rainbow Analog Glow Tube Clock LED Full Color Music Spectrum DIY Kit

Description:

This is a large-size analog glow tube clock, which also improves the brightness of the LEDs, so that the time can be read clearly even in daytime, which increases practicability. The most important thing is to support a variety of music spectrum bounce effects. Under the light refraction of the large-size acrylic board, it can produce a better and more accurate audio bounce effect with mixed colors.

In addition, a variety of LED color gradient effects can be switched, and colors can be customized. In addition to displaying the time, it can also display information about temperature, date and day of the week. At the same time, a variety of different alarm ringtones can be selected. There are also three LEDs at the bottom of the base that can produce a variety of different base lighting effects.

Features:

Use large size acrylic digital board.

Simulate classical glow clock effect;

High-precision DS3231 clock chip, with CR2032 backup battery to prevent loss of time data after power failure;

Super bright LED color light;

15 kinds of music spectrum bounce effects;

5-level music spectrum gain effect;

14 kinds of LED colors display time effect;

6 kinds of time, temperature, date and week switch display animations are optional;

5 kinds of base bottom LED lighting effects are optional;

Can be turned on to enter the dark mode (after turning on, when the ambient light is detected to be dimmed, all numbers will be displayed as dark yellow light);

38 optional colors can customize the different colors of different digital displays.

Two kinds of reminder animation effects on the hour and half of the hour;

Two conversion effects displayed in seconds;

6 kinds of time division LED effects are optional;

8 kinds of alarm ringtones are available;

Countdown function (the ringtone of the countdown function is the same as the alarm ringtone);

Stopwatch function;

Long press the switch key to switch between time mode and music spectrum mode;

EEPROM automatically saves setting data when power off;

Multi-layer acrylic shell;

USB DC 5V voltage power supply;

3mm audio interface access audio signal;

Overall size: 318mm* 47mm*95mm;

Weight: 850g;

Functions:

Long press the switch button (triangular icon) to switch: **Clock Display Mode function** or **Music Spectrum Display Mode function**;

In "Clock Display Mode":

Short press the setting button (square icon) to pause or continue the color change;

Short press the switch button (triangular icon) to switch the color effect;

List of color effects:

- 1- Rainbow gradient effect;
- 2- Two grids of cold color gradient effect;
- 3- Aurora color gradient effect;
- 4- Two-frame rainbow gradient;
- 5- Full color gradient effect;
- 6- Two-cell Aurora color gradient effect
- 7- Cool aurora gradient effect;
- 8- Full-color same-color gradient effect;
- 9- Ruby gradient color effect;
- 10- Emerald gradient color effect;
- 11- Sapphire gradient color effect;
- 12- Gradient color effect from the middle to both sides;
- 13- Gradient color effect from both sides to the middle;
- 14- Display custom colors (38 custom colors are optional);

1: Long press the setting key (square icon) to enter or exit the menu;

2: Short touch the switch key (triangular icon) to switch: **[number 0]** time setting-**[number 1]** date setting-**[number 2]** alarm setting-**[number 3]** format setting-**[number 4]** switching effect selection-**[Number 5]** Switching duration setting-**[Number 6]** Base bottom LED effect selection-**[Number 7]** Switch automatic dimming function-**[Number 8]** Switch button wake-up function-**[Number 9]** Custom number color-**[Number 10]** Set the whole Point reminder and half-point conversion effect-**[Number 11]** Set the second digital conversion effect-**[Number 12]** Countdown function-**[Number 13]** Stopwatch function-**[Number 14]** Set the color gradient speed-**[Number 15]** Time separation point LED effect -**[Number 16]** Set the countdown and alarm ringtone-**[Number 17]** Test the quality of the LED.

Short press the setting key (square icon) to enter the setting, and then use the switch key (triangular icon) to modify the parameter value.

Clock mode parameter setting:

【Number 0】 Time setting:

Switch key (triangular icon) to modify the flashing parameter value, set key (square icon) to confirm the modification;

【Number 1】 Date setting:

The modification sequence is: year-month-day;

[Number 2] Alarm clock:

1- Turn on the alarm and enter the alarm time setting; 0- Turn off the alarm; (Note: the alarm ringtone is set in menu 16)

[Number 3] Format setting (Format):

[0] (Hour format): 24-24 hour system mode; 12-12 hour system mode.

[1]: (Date format): 12-31: month-day mode; 31-12: day-month mode.

[2]: (temperature format): Celsius and Fahrenheit;

[Number 4] Switching effect selection:

0-[Only time display];

1- Sweeping effect from left to right;

2- Overall sweeping effect;

3- The effect of lighting up one by one from the middle to both sides;

4- Light up the effect one by one from left to right;

5- Random sweep effect;

6-Sweeping effect from the middle to both sides;

(Note: the order of switching display is: time-temperature-date week)

[Number 5] Switching duration setting:

(10) Switch every -10 seconds;

(30) Switch every -30 seconds;

(60) Switch once in -60 seconds;

(5min) Switch every 5 minutes;

(10min) Switch once every -10 minutes;

(15min) Switch every 15 minutes;

(30min) Switch every -30 minutes;

(60min) Switch every -60 minutes;

[Number 6] Base bottom LED effect selection:

0-Turn off the bottom LED effect;

1- Three different color gradients;

2- Button Fading effect lights;;

3- Three different cool colors with gradient;

4- Candlelight color effect;

5- Three different aurora color gradients;

[Number 7] Switch automatic dimming function:

0- Turn off dark mode;

1- Turn on the automatic dark mode (when the ambient light is detected to be dark, it will automatically enter the dark yellow light and low brightness mode);

[Number 8] Turn on the button wake-up function:

0- Turn off the button wake-up function;

1- Turn on the button wake-up function (press any button to wake up the display);

[Number 9] Customize the color of the number:

Switch key (triangular icon) to modify the color value of the flashing number (38 colors in total), set key (square icon) to modify the color and enter to set the color setting of the next number;

[Number 10] Set the conversion effect of the whole point and half point:

0-[No conversion effect];

1- Sweeping effect;

2- Fading effect;

3- Mixing effect (the whole point enters the sweeping effect, the half point enters the fade effect);

[Number 11] Set the digital conversion effect of seconds:

0-[No transformation effect];

1- Digital progressive effect;

2- Digital breathing effect;

3- Mixed effect (automatically switch every day);

【Number 12】 Countdown function:

Enter the minutes and seconds, press the set button (square icon) to start the countdown, the bell will play automatically when the countdown ends, and press any button to exit the countdown;

(Note: the remind ringtone is set in menu 16)

【Number 13】 Stopwatch function:

Press the switch button (triangular icon) to start timing, press again to pause timing, and press again to reset the timer (maximum timing is 99 minutes, 60 seconds, and 990 milliseconds).

Switch key function cycle: start timing-pause timing-timing reset;

Press the set button (square icon) to exit the stopwatch function;

[Number 14] Set the color gradient speed:

Seven level settings 1-7: from fast to slow;

[Number 15] Set the time division point LED effect

0- Turn off the split point LED effect;

1- Rainbow gradient effect;

2- Aurora color gradient effect;

3- Left and right gradient effect

4- Breathing mode;

5- Lighting mode per second;

[Number 16] Set countdown and alarm ringtone

0- know or not;

1- Sky City;

2- Canon;

3- Kikujiro's summer;

4- Spirited Away

5- It's windy

6- Lemon

7- Wonderful U

[Number 17] Test the quality of LED:

Press the switch key (triangular icon) to switch the test color, a total of three colors of red, green and blue are tested.

Press the set key (square icon) to exit the test.

In "Music Spectrum Display Mode":

Long press the setting key (square icon) to enter the music spectrum gain setting, you can choose different gain effects of **1-5 levels** according to different playback devices;

Short press the switch key (triangular icon) to switch between different color gradient effects;

List of music spectrum bounce effects:

- 1- Rainbow color without peak spectrum effect;
- 2- Red and blue transition color spectrum effect;
- 3- Blue-yellow transition color spectrum effect;
- 4- The spectrum effect of the apex of the yellow-blue belt;
- 5- Blue-red band apex spectrum effect;
- 6- Purple-green band apex spectrum effect;
- 7- Rainbow color gradient single-point spectrum effect;
- 8- The single-vertex spectrum effect of the same color gradient;
- 9- Aurora color gradient single vertex spectrum effect;
- 10- Inverted blue-yellow transition color spectrum effect;
- 11- Inverted yellow-green transition color spectrum effect;
- 12- Inverted red-yellow transition color spectrum effect;
- 13- Left and right rainbow color gradient spectrum effect;
- 14- The left and right aurora color gradient spectrum effect;
- 15- All the same color gradient spectrum effect;

To enter the music spectrum mode, you need to use a one-to-two 3mm audio interface cable to connect to the music playback device (mobile phone, speaker, MP3 player, etc.). And it can display the music spectrum bounce effect.