

*** Marusya ***

Assembled my own hands 😊

Thanks for purchase!!!

Features:

- * 17x Soviet IV-26 VFD tubes (made in 1980-90)
 - * 2x IV-6 VFD tubes
 - * Lifetime tubes 15-20 years
 - * 4mm plastic case
- * Unique smooth routing of PCB
- * 32bit STM32F100C8 processor
 - * 12/24h time mode
 - * Fade leading zero
 - * 1 Alarm
- * Tubes can be OFF at night by timer and by RC
 - * Full functional IR remote control
- * USB connection to PC. (for firmware update or you can write your own)
 - * IV-26 tubes work in static mode
- * Double Multicolour adjustable led glow (4x independent random color leds and 4x RGB led)
- * Automatic brightness of tubes, RGB leds and autoleds
 - * 6 modes of switch digits
 - * Thermometer
 - * Temperature C° or F°
 - * Correction of temperature
 - * Accurate to +/- 1 minute/year
- * Date in format DD.MM.YY or MM.DD.YY
 - * RGB led (6 colors of backlight)
- * Backup battery. Data is no lost when power off

* 3 buttons

- * Power source - DC 12V barrel plug 5.5mm/2.1mm ("+" inside, "-" outside)
 - * Consuming current - no more 500mA
 - * Noiseless work
- * Dimensions of the clock - 280mm(11in) x 62mm(2.44in) x 125mm(4.92)
- * Dimensions of the clock in plastic case - 315mm(12.4in) x 95mm(3.74in) x 155mm(6.1)

Button function:

Short click = ~0.5 sec.

Long click = ~1 sec

First Button: Short click - show: date, alarm, temperature

Long click - time setup

Second Button: Short click - change brightness of tubes

Long click - parameters setup

Third Button: Short click - change effect

Long click – led color and brightness setup

How to set time? Easily!

- 1) Press and hold **First Button** ~1 sec
- 2) Hours tubes start to blink
- 3) Press **Second Button** for increment value
- 4) Press **First Button** for change digit
- 5) Seconds will reset to "00" if you will press **Second Button**
- 6) Press **First Button** for exit from setting time mode

How to set current date? Simply!

- 1) Press **First Button** shortly
- 2) You will see date in DD.MM.YY format
- 3) Press and hold **First Button** for enter into date setup mode

4) Similarly like you set time, set date.

If you will press **First Button** shortly and then press **Second Button**, you can change date show parameters. Date can be shown every 5 minutes or 10, or be turned off.

How to set alarm? Lightly!

Similarly like date setup. Moreover, you can turn on/off alarm here.

How to change parameters? Readily!

1) Press and hold **Second Button**

2) You will see number of parameter and value of parameter in

second tubes: **1 2** 1.0 **2 4**

3) Press **Third Button** for change value

4) Press **Second Button** for go to next parameter

No	Parameter	Value
1	12/24 time format	0 - 12h time format 1 - 24h time format
2	Date format	0 - DD.MM.YY 1 - MM.DD.YY
3	Hi.Hour tube fading	0 - enable fading 1 - disable fading
4	Effect of change digit influence to 1 digit or to all digits	0 - 1 digit 1 - all digits
5	Temperature units	0 - °C 1 - °F
6	Correction of temperature coefficient	Current temp. - temp.coeff. = real temperature

How to setup led backlight? Airily!

1) Press and hold **Third Button**

2) You will see **CLR** text on tubes

3) Press **First Button** to change brightness of bottom leds

4) Press **Second Button** to change brightness of top **RGB** leds

5) Press **Second Button** to set next color of **RGB** leds

How to change effect of time show?

Just press **Third Button** and choose effect what you like.

Long click
~1 sec.

Short click



