**Nixie clock IR remote commands**

**Set RGB color:**

IR Remote key:

**0** - BLACK (RGB LEDS OFF)

**1** - RED

**2** - GEEN

**3** - BLUE

**4** - YELLOW

**5** - MAGENTA

**6** - CYAN

**7** - WHITE

**8** - PATTERN RED TO WHITE (1 TO 7) or Default COLOR scheme

**9** - PATTERN RANDOM COLOR or Default COLOR scheme

**Set Time option**

IR remote keys **#1**.

Clock displayed 00. 00 .00 with color Yellow.

Set the time by starting with HH. MM .SS.

When the first digit is entered, the clock will clear the display and show the entered digit shifting from right to left. The clock will display the entered time. When the correct time is entered, press IR remote key **OK**.

The time will be set.

When summer time, the right colon of the second Nixie will light up.

To leave the Set Time option without setting a new time, press IR remote key **#**

**Set Date option**

IR remote keys **#2**.

Clock displayed 00 .00. 00 with color Green.

Set the date by starting with DD .MM. YY.

When the first digit is entered, the clock will clear the display and show the entered digit shifting from right to left. The clock will display the entered date. When the correct date is entered, press IR remote key **OK**.

The date will be set.

To leave the Set Date option without setting a new date, press IR remote key **#**

**Manual Life Time Saving option**

IR remote keys **#7**

The display will be suppressed. All Nixie tubes will be switched off. This option can be used when it is not necessary that information is displayed. It saves the lifetime of the Nixie tubes.

To switch back to normal display, press again IR remote keys **#7**

Manual Life Time Saving works closely together with Override Life Time Saving.

**Override Life Time Saving option**

IR remote keys **#8**

When the Nixie clock jumps into Life Time Saving mode due to Start Time Live Time Saving or due to the option Manual Life Time Saving, you can override it with #4 option. The Nixie clock will turn on. All functions are available again.

To switch back to Life Time Saving use the Manual Life Time Saving IR remote **#7** or press **#8** again.

**Nixie tube test mode**

IR remote keys **#9**

The clock will switch to Nixie tube test mode. All Nixie tubes will count from 0 to 9.

\*C, % and P will be shown as well

To switch back to normal display, press again IR remote keys **#9**

**Display only Time**

IR remote keys **\*0**

Only time will be displayed.

To display all, press again IR remote keys **\*0**.

**Display On for 60 seconds during Life time saver**

IR remote keys **\*1**

For 60 second the display will be switched on to show the time, date and sensor output.

**Wheel-effect option**

Wheel effect option will be stored in the Nixie memory. By switching on the Nixie clock, the last wheel effect will be used.

IR remote keys **\*7**

Wheel effect will be shown during second change from 59 to 0

IR remote keys **\*8**

Wheel effect will be shown every second and minute change.

IR remote keys **\*9**

Wheel effect will be switched off.

**Nixie clock Serial commands**

To use Serial command, the Nixie clock needs to be connect with the USB port.

Use a Terminal emulator to connect with the Nixie clock.

Select Com port <check Windows devices for the right Comport>

Baudrate: 19200

Enter commands via the command line option of the used Terminal emulator

**Set Date option**

Enter the command:

<d0 DD-MM-YYYY>

**Set Time option**

Enter the command:

<d1 HH:MM:SS>

**Set Start-Time for blanking**

Enter the command:

<d4 HH:MM>

**Set End-Time for blanking**

Enter the command:

<d5 HH:MM>

**Wheel-effect option**

Wheel effect option will be stored in the Nixie memory. By switching on the Nixie clock, the last wheel effect will be used.

<w0> Wheel effect will be switched off.

<w1> Wheel effect will be shown during second change from 59 to 0.

<w2> Wheel effect will be shown every second and minute change.

**System commands**

<s0> Shows software revision number

<s1> Lists all I2C devices connected

<s2> List all set tasks in the scheduler

<s3> Test the Nixie tubes