

6xIN-12 Nixie clock manual

Clock setting:

- **TIME**
 - Short press – changes between setting hours, minutes and seconds.
When 12h time format is set, leftmost tube's dot indicates PM time;
- **ALARM**
 - Short press – During normal clock operation changes between setting alarm hours and minutes. When 12h time format is set, leftmost tube's dot indicates PM time. Two rightmost tubes indicate alarm on/off ("01" - alarm is on, "00" – alarm is off). During menu setting mode changes selected feature;
 - Long press – During normal clock operation switches menu mode on/off;
- **SET**
 - Short press – during time and alarm setting increases selected tubes by one. In menu setting mode adjusts or switches selected feature on/off. During normal clock operation changes tubes and backlight brightness.
 - Long press – during time, alarm and menu setting automatically increases selected tubes. During normal clock operation switches backlight on/off;
- **Menu mode** – to enter or leave menu and store settings press ALARM button for 2s (number of selected option is indicated by two leftmost tubes, option's parameter is indicated by two middle and/or two rightmost tubes):
 01. time format and dot mode – middle tubes indicate selected 12/24h time format. Two rightmost tubes indicate selected mode of leftmost tube's dot. Selecting dot mode is possible only when 12h time format is set (in 24h time format dot always indicates alarm switched on). Dot mode "00" – dot indicates alarm switched on, dot mode "01" – dot indicates PM time. When setting time, alarm or menu in 12h time format dot always indicates PM time;
 02. neon blinking at 1Hz on/off – "00" - off, "01" - on;
 03. leading zero blanking on/off – "00" - off, "01" - on;
 04. time correction – $\pm 9,9\text{s/day}$ time correction with 0,1s resolution. Middle tubes display negative corection value from 0 to -9,9s/day for canceling time measurement positive error. Two rightmost tubes display positive correction value from 0 to +9,9s/day for canceling time measurement negative error;

05. tubes cycling and it's frequency – middle tubes indicate time between displayed routines (“00”- cycling off, “01”- every 1min, “02”- every 10min, “03”- every 1hour, “04” every 24hours). Two rightmost tubes indicate selected routine (“01”- scrolling, “02”- scrolling with shifting, “03”- slot machine). To choose displayed routine tubes cycling has to be previously switched on;
06. timed dimming on/off – middle tubes indicate timed dimming on/off (“00” - off, “01” - on). Two rightmost tubes display tubes brightness level during timed dimming mode (from “00” - tubes blanked to “04” - full brightness). When tubes are blanked, pressing any switch will turn them on for 15s with first brightness level. During timed dimming mode brightness adjustment is disabled;
07. timed dimming on time – middle tubes indicate hours and two rightmost tubes show minutes of timed dimming on time. When 12h time format is set, leftmost tube's dot indicates PM time. To set timed dimming on time timed dimming mode has to be previously switched on;
08. timed dimming off time – middle tubes indicate hours and two rightmost tubes show minutes of timed dimming off time. When 12h time format is set, leftmost tube's dot indicates PM time. To set timed dimming off time timed dimming mode has to be previously switched on.

Clock maintenance: To avoid scratches always use delicate cloth or dust whisk when cleaning clock's acrylic enclosure. For wet cleaning use cloth slightly moist with water and some detergent . Do not use any solvent or alcohol as it may damage acrylic surface!

Power supply: 9V DC power adapter with barrel plug connector (5,5mm/2,1mm) and minimum current output 300mA.

Power consumption: average 3W