

Matrix Clock User Manual

This user manual provides information on how to configure your Matrix Clock. Follow the instructions below to set up network settings, clock settings, and time settings.

Specification

Model: YH-J001

Color: Red/Blue/Green/White

Rated Input Voltage: 5V

Rated Input Current: 200mA

Wireless: WiFi 2.4G

LED Matrix: 8x8(4pcs)

Size:145 x 40 mm

Weight: 100g

The required power voltage is 5V. Use the supplied USB cable to connect the clock to a phone charger, computer USB, TV USB, or power bank for charging. If the display is unstable, it may be due to insufficient power supply. Please try a different power.

Network Setting

After powering on, use your phone to search for a WiFi signal named starting with "MatrixClock". Connect to it, then open a browser and enter "10.10.10.1" in the address bar to open the configuration page.

Once the configuration is complete, click the "SAVE AND REBOOT" button. The clock will restart and display WiFi status. If it successfully connects, it will show "OK!!", otherwise, it will show "Err!".

Once connected to WiFi, you can access the configuration page from any device on the same local network. Connect to the "MatrixClock" hotspot with your phone, then enter "10.10.10.1" in the browser to open the configuration page. You will see the local IP address of the clock at the top of the page. You can use this IP address to access the configuration page from any device on the same network.

Accessing the Configuration Page

There are two ways to access the configuration page:

1. Connect to the "MatrixClock" hotspot and open "10.10.10.1" in the browser. This method works whether the clock is connected to WiFi or not.
2. If the clock is successfully connected to WiFi, use any device on the same WiFi network and enter the clock's IP address (obtained from the configuration page) in the browser to access the configuration page. This method requires a successful WiFi connection.

Instruction of Configuration Page

Network Setting

The Network Setting allows you to connect your clock to a WiFi network.

1. **WiFi SSID:** Enter the name of your WiFi network.
2. **Password:** Enter the password for your WiFi network.

Clock Setting

The Clock Setting section allows you to customize the display and functionality of your clock.

1. **Brightness (1-10):** Set the brightness level of the display.
2. **Time Format:** Choose 12-hour or 24-hour time formats.
3. **Time Scrolling:** Enable or disable the time scrolling feature.
4. **Date Scrolling:** Enable or disable the date scrolling feature.
5. **Date Scrolling Frequency (1-60 Minute):** Set how often the date will scroll

Time Settings

The Time Settings section allows you to configure how the clock synchronizes with NTP servers and adjust other time-related settings.

1. **NTP Server:** Enter the address of your preferred NTP server.
2. **Sync Frequency (minutes):** Set the interval for clock synchronization with the NTP server.
3. **Time Error Correction(-59 ~ +59 seconds):** Allows manual adjustment to ensure precise timekeeping.
4. **Time Zone:** Choose from 24 World Time Zones.
5. **Daylight Saving (Summer Time):** Enable or disable automatic daylight saving time adjustments.