

## Manual:

**1) Internet Connection:** internet connection is required for the clock and the app to communicate and synchronize data seamlessly.

To connect to Wi-Fi for the first time we must give the clock the Wi-Fi credentials to connect to. Afterwards, if the clock is turned off then on, it will try to reconnect to the network of last successful connection.

To connect for the first time:

1- From any device (phone/laptop), connect to the Wi-Fi network “ESP32-Access-Point” with password “123456789”

2- In any web browser (chrome/safari...), go to the page “http://1.1.1.1”. Note that it is “http” and not “https”.

3- Fill SSID and Password fields, then press “connect”

**2) The Physical Clock:** The physical clock is equipped with three buttons for user interaction: the "Next" button, the "Previous" button, and the "Do" button.

- The "Previous" and "Next" buttons are used to navigate through the different display modes.
- The "Do" button serves different functionalities according to the current display mode:
  - In Time, Date, and Day modes, pressing the "Do" button will audibly announce the information displayed.
  - In Study mode, a short press of the "Do" button will start or pause the timer, while a long press will restart it.
  - In Reminders mode, a short press will navigate through the reminders of the day, and a long press will automatically announce all the reminders of the day.

**3) The App:** The companion app is divided into four different pages, each catering to specific features of the clock.

1. Home Page: this page contains an analog clock for Aesthetics. On the top right corner, you will find a settings icon, enabling you to adjust the volume, brightness, and language of the clock.

2. Alarm Page: this page is dedicated to setting alarms. Here, you can view all existing alarms, including their respective times, designated days of the week, and names. Tapping on each alarm enables you to modify its settings, such as the alarm time, selected days of the week, and difficulty levels.
3. Timer Page: On the third page, you can set timers for study and rest periods, with the option to repeat them as needed. Be sure to tap the ✓ icon to save any changes made.
4. Reminders Page: The final page is designed for managing reminders. You can easily add reminders for specific days by tapping on the corresponding day.

Every adjustment made within the app is updated in real-time on the physical clock.