

C1 Islamic Counter Ring – Hardware Overview

(English Version)

一. Components

- 1.Control Board (Yuzhaowei RM1200 chip)
- 2.Button Board (FPC)
- 3.Display (0.42" OLED, 72×40 resolution)
- 4.Battery (401212, 40mAh)
- 5.Vibration Motor (8mm diameter)
- 6.Transparent Top Cover
- 7.PC Bottom Cover
- 8.Wireless Charging Receiver Coil
- 9.Wireless Charger Housing & PCBA (Type-C port) + wireless charging transmitter coil

二. Ring Working Logic

- 1.The ring does not power off; it only enters deep sleep mode.
When connected to the APP, it stays active. If the APP sends no action or command for 180 seconds, the ring enters deep sleep automatically.
- 2.In sleep mode, single click shows the time (24-hour format) and searches for an APP connection.
The time is synchronized with the APP.
- 3.When the APP is open and the ring is in deep sleep, single click connects the ring to the APP and synchronizes data.
- 4.In the time-display state, single click enters counting mode.
 - 4.1. Counting continues from the last saved number.
 - 4.2. At the next prayer reminder, the counter resets automatically.
 - 4.3. Users may also press and hold the button for 3 seconds to reset manually between two prayer times.
- 5.If the button is not operated for 10 seconds, the screen turns off and the ring enters deep sleep.
- 6.Daily prayer times are set inside the APP.
- 7.During counting, the ring vibrates for 100ms when reaching 33, 66, 99, and 100.
- 8.When the battery drops to 3.58V, the ring shows a low-battery icon (large empty battery symbol) and vibrates 3 times (100ms each, 1-second interval).
 - 8.1. If not in counting mode, it then enters deep sleep.
 - 8.2. If the user wears it and clicks to show time, the low-battery symbol appears.
 - 8.3. If in counting mode, counting remains effective but the number is not displayed.
 - 8.4. After 10 seconds of inactivity, it enters deep sleep.
- 9.During charging, the screen displays a large battery symbol with 4 levels (empty → 1 bar → 2 bars → 3 bars full).
If fully charged and still on the charger, the full icon remains displayed.

10. At 3.3V, the ring enters deep sleep automatically.

11. When waking the screen, the ring displays the time (24-hour format, minute precision) and the battery symbol.

12. Counting numbers are always centered on the screen:

- 12.1. One digit: centered
- 12.2. Two digits: centered
- 12.3. Three, four, five digits: centered

Only the number is shown — no battery icon during counting.

Font size should be as large as possible within the screen limits.

13. When the ring detects Bluetooth disconnection, it plays a Bluetooth disconnect animation.

14. Custom Dhikr Challenge:

- 14.1. Users set a custom dhikr goal in the APP.
- 14.2. When tapping “Start” in the APP, the ring plays an animation indicating the challenge is beginning.
- 14.3. When the goal is completed, the ring shows a victory animation, and the counter resets to “0”.
- 14.4. If the user quits midway without completing the goal, the counter resets to “0”.
- 14.5. Example:

If the goal is 10 and the user stops at 3, after the ring sleeps and wakes again, it continues from 3 and will still trigger the completion animation at 10—as long as the APP page remains on the challenge screen.

15. For prayer settings, Makka is the default option and listed as the first in order.

Force Restart:

16. If system freeze or display error occurs, pressing and holding for 20 seconds forces a reboot.

APP data will not be cleared.

17. Dhikr Reminder Plan:

In the APP, users can set daily, weekly, or monthly dhikr reminders.

Reminder priority on the ring: Daily > Weekly > Monthly.

When the reminder time arrives:

- 17.1. The ring displays the dhikr name (language follows ring language setting).
 - 17.2. The ring vibrates three times (100ms each).
18. If a dhikr reminder overlaps with one of the five daily prayer reminders:
- 18.1. The ring executes the prayer reminder first (text + three vibrations).
 - 18.2. Then executes the dhikr reminder (text + three vibrations).

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B

digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction