Projection Clock (Vibrating Model)

User Manual

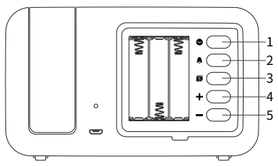
Before Use:

Main Unit: This clock adapts the RF transmission vibration function on the basis of the normal clock. Under the vibration gear or vibration with BBB sound gear, the vibration signal can be transmitted by the clock and received by the vibrator.
Vibrator: When the vibrator receives the signal sent by the main unit, it will automatically turn on the clock vibration reminder. With a 3.7V built-in lithium battery, the vibrator can supply power independently. And the battery can last 3 months without external power supply.

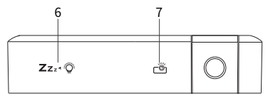
Power On:

Way 1: Open the back cover of the battery, install 3 AAA-batteries, the screen will display for 1 second with a sound of 'DI' and turn on.
Way 2: Connect the micro USB cord to the clock and an adapter under DC 5V current, and the screen will display for 1 second with a sound of 'DI' and turn on.

Button Interface:



1. Time Setting
2. Alarm Setting
3. Date Setting
4. Increment/ °C/°F
5. Decrement/ Weekend Mode



6. Brightness/ Snooze Button
7. Projection Button

12H/24H Format:

1

Press the [ ] button to switch between 12H/24H.

press

Tip 1: Under 12H format, AM is displayed in the morning and PM is displayed in the afternoon.
Tip 2: Under 24H format, AM/PM is not displayed.

Time Setting:

1

1. Long press the [ ] button to enter the time setting, and the time number starts to flash.
2. Press [+]/[−] for time setting, long press [+]/[−] for quick setting.
3. After setting, press the [ ] button again to confirm.

press

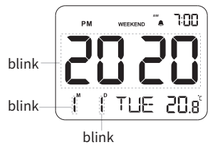
Tip: After 20 seconds with no operation, it will automatically confirm and exit the time setting.

Date Setting:

1

1. Long press the [ ] button to enter the date setting, and the year number starts to flash.
2. Press [+]/[−] for date setting, long press [+]/[−] for quick setting.
3. Press the [ ] button again to confirm.

press



Tip 1: The default date is 2020.1.1, and the year number will not be displayed.
Tip 2: After 20 seconds with no operation, it will automatically confirm and exit the date setting.

Alarm/Volume Setting:

1

1. Long press the [ ] button to enter the alarm setting, the number 7:00 at the bottom right corner starts to flash.
2. Press [+]/[−] to set the alarm time, long press [+]/[−] for quick setting.
3. After setting, press the [ ] button again to confirm the alarm time, and “L01” flashes.
4. Press [+]/[−] to select “L01” low volume and “L02” high volume.
5. Press the [ ] button to confirm and exit the alarm setting.

press

Tip 1: After 20 seconds with no operation, it will automatically confirm.
Tip 2: The 12H/24H format will not influence the alarm clock setting.

Alarm On/Off:

1

Press the [ ] button to turn on/off the alarm. The alarm is ON with the “ ”pattern displaying, while OFF without the“ ”pattern.

Weekend Mode:

1

When the alarm function is on with the“ ”pattern, press the [−] button to turn on/off the weekend mode. The weekend mode is ON with the “WEEKEND” pattern displaying above the time, while OFF without the “WEEKEND” pattern.

Snooze Setting:

1

When the alarm rings, touch the [ ] button to pause ringing and snooze is ON with“ ”pattern flashing. After snoozing time (9 minutes), the alarm will ring again.

Stop the Alarm:

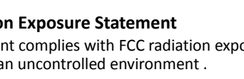
1

When the alarm rings, touch any button except the snooze button to stop the alarm that day.

Brightness Setting: (with USB powered)

1

1. Touch the [ ] button to adjust the screen brightness, from dark to bright (0%, 10%, 60%, 100%).

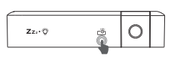


Tip 1: With AAA batteries, the screen brightness keeps default 60% for 5 seconds and then dims to 0%. You can touch the [ ] button to wake up the screen again.
Tip 2: With USB powered and no adjustment, the screen brightness repeats this cycle 10%→60%→100%→0%. Touch the [ ] button to adjust the brightness and it will stay on.

Projection/Brightness/Angle Setting: (with USB powered)

1

1. Touch the [ ] button to turn on projection.
2. Touch the [ ] button again to adjust the brightness, from dark to bright (0%, 10%, 60%, 100%).
3. Long press the [ ] button for 180° flip projection image.



Tip 1: With AAA batteries, the projection brightness is fixed at 60%, and turns off after 10 seconds.
Tip 2: With USB powered and no adjustment, the projection brightness repeats this cycle 10%→60%→100%→0%. Touch the [ ] button to adjust the brightness and it will stay on.

Celsius/Fahrenheit Switch:

Press the [+] button to switch between °C and °F.
Note: below 0 degrees display "LO", above 50 degrees display "HI"

Factory Default Mode:

Default Time Format: 24H
Default Alarm Time: 7:00
Default Time: 0:00
Default Alarm: Off
Default Ringtone: Off
Default Date: 2020.1.1

Tips:

1. Two power supply modes: 3 AAA batteries and Micro USB powered.
2. Re-power on, the LCD screen will be fully displayed for 1 second and enter the normal time mode with a sound of 'DI'.
3. In the setting state, if there is no operation for 20 seconds, it will automatically return to the normal time mode.
4. Avoid exposure to strong sunlight.

433RF Transmission: (multi-frame data transmission > 3 times)

1. Vibration/BBB plus Vibration: When the alarm clock rings, the signal is transmitted, and the vibrator starts to vibrate.
2. Distance: > 30m

Specification:

Power Supply Mode	1.Battery: 3 AAA batteries 4.5V 2.USB powered：4.5V-5.0V	Working Current	90mA (MAX)
Weekend Mode	ON with the “WEEKEND” pattern OFF without the “WEEKEND” pattern	Quiescent Current	15mA (MAX)
Projection Angle	90 degrees front / 30 degrees rear	Display	LCD
Projection Brightness	0%→10%→60%→100% Default 0%	Time Error	±30 seconds/ month
Screen Brightness	0%→10%→60%→100% Default 60%	Volume	Low: L01 high: L02
Perpetual Calendar Range	2000.1.1-2099.12.31	Color	White
Temperature Range	0°C—50°C (32°F -122°F)	Alarm Time	3 minutes
Temperature Resolution	0.1°C	Snooze Time	9 minutes
Temperature Error	±1°C	Projection Color	Red
Temperature Detection Cycle	30 seconds	Net Weight	215g
Size	146.7*29.4*86.28mm	Battery Life	About 3 months

Button Interface:

1. Toggle switch
HI: High
LO: Low
OFF: Off

Instructions:

1. Please place this vibrator on the bedside table or at a position that can be heard. Away from metal objects and other wireless signal sources.
2. The vibrator includes a built-in battery, which can supply power independently.
3. Signal Receiving: After receiving the signal from the clock, the vibrator will vibrate at the same time.
4. Vibration Gear: OFF, Low, High, from weak to strong
5. Vibration: After receiving the data once, the excess times data will not be processed
6. Vibration Time: With no operation from the clock, the vibrator will automatically turn off after 5 minutes. After Snooze time (9 minutes) and no operation from the clock, the vibrator will automatically turn off after 2 minutes.

Turn Off Vibration:

1. Turned off by the clock
2. Switch the vibrator to "OFF"

Indicator Status:

1. Low Battery: red light flashes 1 time per second
2. Charging: red light stays on
3. Full Charge: green light stays on
4. Successful Connection: green light stays on for 5S, and the motor vibrates
5. Lost Code Detection: green light stays on for 5S

Specification:

Working Voltage	5-5.5V	(micro) Input Current	500±50MA (MAX)
Built-in Battery	1000mAh/3.7V lithium battery	Working Current	Current during vibration: 410mA (MAX)
Color	Athens black	Quiescent Current	5uA≤
Vibration Gear	OFF, Low, High from weak to strong	Battery Life	Standby time: 3 months Working time(one vibration per day): 15-18 days
Center Frequency	433.9mHz	RF Transmit/ Receive Distance	> 30m
Size	4*76*28mm	Sensitivity	-108dBm
		Net Weight	85g

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 forcompliance could void the user's authority to operate the equipment.

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.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.