WiiM

WiiM Wake-up Light

Model Name: WiiM Wake-up Light

Model Number: WWL001

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1 Product vision

WiiM sunrise alarm clock is a far-field Alexa speaker, alarm clock and sleep light all in one device used in the bedroom. It has round shape and will be easily put on the night table.

Compared with the traditional alarm clock, it greatly simplifies the alarm set up via Alexa voice or the free App. It supports unlimited alarms for multiple possible tasks. Instead of the pre-stored chime, you could use your favorite music or radio station as the alarm source. You could put your custom-made alarm content to make the wake-up even more fun. Moreover, the wake-up light will mimic the sunrise or sunset to help you wake up or calm down to give you a better sleep. It could also be used as the entertainment hub that you could listen your favorite music with the well-rhymed light effect or having multiple devices playing together when having a party.

2 Product introduction

2.1 Function brief

The product serves as a smart alarm clock, sleep aided light, bedside light and the smart speaker.

Sunrise alarm clock - Wake you up with lights and music

The light will light up slowly 10-60 minutes before the alarm time, simulating the natural sunrise, which will wake you up gradually from the deep sleep. When the alarm time arrives, with the music, you can easily wake up in light sleep.

Sleep AID - Lights and music accompany you to sleep

When the night comes, turn on sleep mode. The gradually dimmed light and white noise (or your preferred content) can let you sleep better. The light and sound will turn off automatically when the time comes.

Reading light - As a bedside light

You can use the wake-up light as a bedside reading light, and use button, App or Alexa to adjust the light to your preferred color and brightness.

Smart speaker – with good audio quality

The Wakeup light is Alexa built-in device, it lets you instantly connect to Alexa to play music, control your smart home devices, get information, news, weather, and more, anytime using just your voice. It has good audio quality too.

More features

- Simply plug and go - no assembly required
- Large, easy to read time display
- Tap snooze function
- Pleasant, natural bird song or your favourite sound or music alarm
- Customized personal routine to help fall asleep, stay asleep and wake up refreshed

2.2 Specification

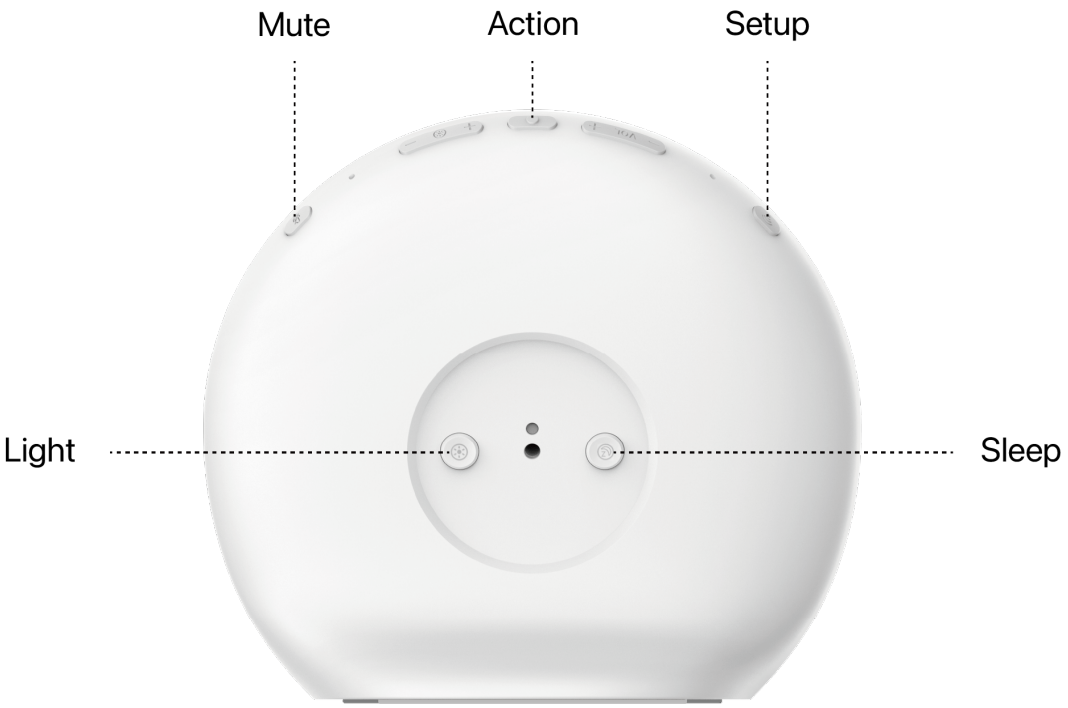
The hardware specification of the wake-up light is shown below.

Items	**Specification**	**Notes**
Model	SAC-001 (stands for Sunrise Alarm Clock)	
ID		Height: 166mm Diameter: 180mm Base: 92mm Depth: 52mm
Material	PC + ABS + Metal	
MICs	2	
Speaker output power	3W RMS, audio quality closed to JBL Go 2/3 speaker	
Adapter	12V, 1.5A	
RTC battery	Button Cell CR2032/220mAh	
Wi-Fi	2.4G/5G dual band	
BT/BLE	BT 5.2	

Table 1. WiiM wake-up light specification.

2.3 Button definition

There are seven button groups – five button groups including snooze, light switch, brightness control, volume control and setup control are on the top edge. Among these, volume and brightness control have two buttons in each group. Two buttons – Sleep and light- are on the back.



Action (overloaded with snooze)

When the alarm goes off, press and hold for two seconds or more the button to enter the snooze state.

Tap the button to serve as Alexa Action button. i.e.,

- *Click the button to start Alexa voice control*
- *Click the button to stop alarm, reminder, or timer when it occurs*

Need consider touch button (with blind access) or normal push button.

Light switch

Click this button to turn the light on and off

No matter which state the device is, light switch has the same behavior – toggle the light on or off

Press and hold the light switch for two seconds, it changes among sunrise, sunset, reading and colorful modes

Brightness control

Press the brightness control buttons to increase or decrease the brightness

Press and hold the buttons can change the brightness continuously

Volume control

Press the volume control buttons to increase or decrease volume

Press and hold the button can change the volume continuously

Fall-asleep control

Tap the fall-asleep control to enter sleep routine

During the fall-asleep routine, press and hold for 2 seconds cancels it

Mute button (at the back of device)

Long press the button to Mute or Unmute microphone

When mute, this button will physically disconnect the microphone

Setup button (at the back of device)

Press and hold this button for 3S or more to enter setup mode

Long press the button 10 s to reset Wi-Fi and Alexa account (factory reset)

2.4 Display panel (need rewrite)

Besides the time display, the panel has the following icon to show the detailed status.

Icon	States	Description
	-Muted (On) -Unmuted (Off)	Indicate if the MIC is muted or not
	- Network disconnected (On) - Network connected (Off)	Indicate if the device is connected to network
	- On, has alarm - Off, no alarm - Blinking, alarm fires off or in snooze state	Indicate the alarm states
	-On, snooze -Off, not in snooze	Indicate the snooze state
	-On, timer is running -Off, no running timer	Indicate if there's running timer

There is Alexa status indicator that shows the device status and Alexa

When indicator is Red， it means:

- Microphone Off
- Errors: System and devices errors, Alexa Service Unavailable

When the indicator is Cyan&Blue interleaved, it means:

- Device setup
- Alexa core: Listening, Thinking, Speaking
- Alexa Alerts: Timers, Alarms, Reminders

Group	Device States	Other Visual	LED Color
Idle	-Idle	-	No visual indicators
Core	-Listening -Thinking -Speaking	-	Cyan&Blue
Microphone Off	-Microphone Off	Microphone icon in display panel	Red
Alerts	-Timers -Alarms -Reminders	-	Cyan&Blue
Errors	-System and Devices Errors -Alexa Service Unavailable	-	Red
Device Setup	-OOBE -Boot-Up	Wi-Fi icon in display panel	Cyan&Blue

2.5 Voice control

In order to use your voice to control this light, please follow these steps below to sign in Amazon Alexa:

1. Go to AppStore and GooglePlay and download the WiiM Home app.

2. Go to Browse -> Amazon Alexa to sign in Amazon Alexa with your Amazon account.

Alarm

- Alexa, set an alarm at 6 am.
- Alexa, set an alarm for everyday at 4 pm.

- Alexa, set a repeating alarm for weekdays at 4 pm.
- Alexa, set a repeating alarm for Monday at 4 pm.
- Alexa, wake me up to Katy Perry at 10 pm.
- Alexa, set music alarm to ‘Lovely day’ for 7 am.
- Alexa, cancel alarm.
- Alexa, cancel my alarm for 2 p.m.
- Alexa, stop or dismiss.
- Alexa, snooze.
- Alexa, snooze for 10 minutes.

Light

- Alexa, turn <device name> on.
- Alexa, turn <device name> off.
- Alexa, set/dim/brighten <device name> to 50%.
- Alexa, dim/brighten <device name> by 50%.

Sleep

- Alexa, turn on sleep mode
- Alexa, turn off sleep mode

Timer

- Alexa, set a timer for 15 minutes.
- Alexa, set a 15-minute timer to 'My Heart will Go On'
- Alexa, set a pizza timer for 20 minutes.
- Alexa, set a second timer for 5 minutes.
- Alexa, how much time is left on the pizza timer?
- Alexa, what are my timers?
- Alexa, cancel the pizza timer
- Alexa, cancel the 15-minute timer.

Clock display

- Alexa, turn on the clock on my bedroom light

- Alexa, turn off the clock on my bedroom light

Name change

- The default name is 'Wakeup light', use this to control alarm or light
- The name is changed by the companion WiiM home app or Alexa app
- When the name is changed at Alexa app, it should be synced to the WiiM home app

Discover

- After name change, use the 'Alexa, discover' to re-discover the device

2.6 Spotify Connect

Use your phone, tablet, or computer as a remote control for Spotify. Go to spotify.com/connect to learn how.

The Spotify Software is subject to third party licenses found here:
https://www.spotify.com/connect/third-party-licenses

3 IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

10. Only use attachments/accessories specified by the manufacturer.

11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as external power supply, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped

13. To reduce the risk of fire or electrical shock, do NOT expose this product to rain, liquids or moisture.

14. Do NOT expose this product to dripping or splashing, and do not place objects filled with liquids, such as vases, on or near the product.

15. Keep the product away from fire and heat sources. Do NOT place naked flame sources, such as lighted candles, on or near the product.

16. Do NOT make unauthorized alterations to this product.

17. Do NOT use in vehicles or boats.

18. Use this product only with the power supply provided.

19. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

20. Due to ventilation requirements, does not recommend placing the product in a confined space such as in a wall cavity or in an enclosed cabinet.

21. Contains small parts which may be a choking hazard. Not suitable for children under age 3.

22. This product contains magnetic material. Consult your physician on whether this might affect your implantable medical device.

23. Do not place or install the bracket or product near any heat sources, such as fireplaces, radiators, heat registers or other apparatus (including amplifiers) that produce heat.

4 CE/FCC Statements

FCC Statement

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

FCC ID: 2BABF-WWL001

CE Statement

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 20cm distance between the device and human body.

Do not use the device in the environment at too high or too low temperature,

never expose the device under strong sunshine or too wet environment.

The suitable temperature for the product and accessories is 0℃-40℃.

Operating Frequency Range, Max Output Power

Bluetooth: 2402MHz ~ 2480MHz, 9.65dBm

WLAN 2.4GHz: 2412MHz ~ 2472MHz, 17.75dBm

WLAN 5GHz: 5150MHz ~ 5825MHz, 16.99dBm

The device for operation in the band 5150~5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

	AT	BE	BG	CH	CY	CZ	DE
	DK	EE	EL	ES	FI	FR	HR
	HU	IE	IS	IT	LI	LT	LU
	LV	MT	NL	NO	PL	PT	RO
	SE	SI	SK	TR	UK(NI)		

This product can be used across EU member states.

EU Regulatory Conformance

Hereby, Linkplay Technology Inc. Corporation declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

For the declaration of conformity, visit the Web site https://wiimhome.com

CE