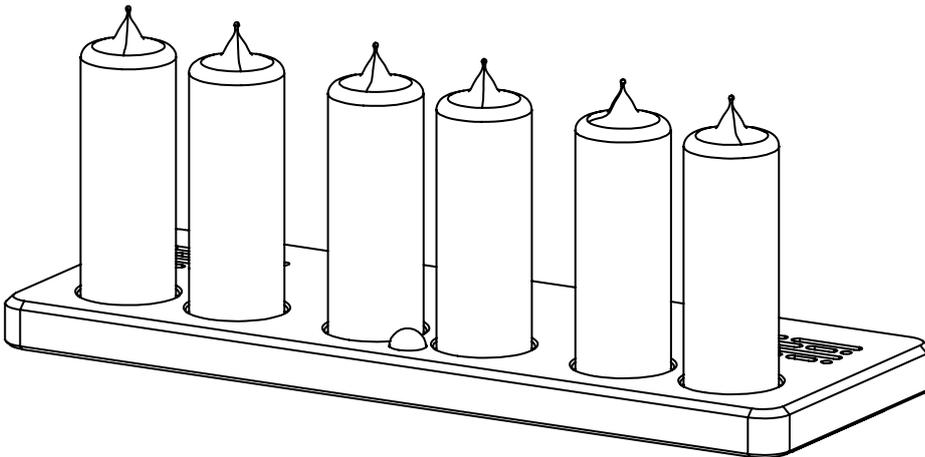![OMNIXIE® The Light Never Fades]

VIVID

A Wi-Fi Enabled VFD Clock by Omnixie

User manual v1.0.2

Designer: Yan Zeyuan. China
Website: www.omnixie.com
               www.omnixie.cn
E-mail: yan@omnixie.cn

Attention

- ◇ Attention: To prevent accidental damage, do not place the VIVID Clock on an uneven surface.
- ◇ Warning: In order to ensure normal operation, please use only the included power adapter and USB cable.
- ◇ Warning: The VIVID Clock is for indoor use only.

Contents

Menu Setup

Reference

Package Contents

Before getting started, please check the contents of the package. If any parts are missing, please contact the seller. Package consists of the following items:
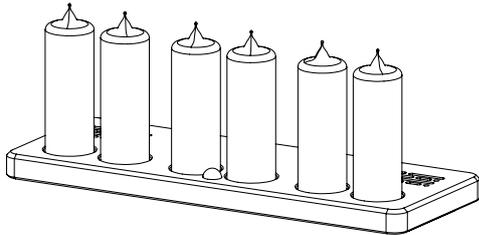
VIVID Clock
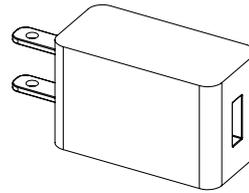
Power adapter
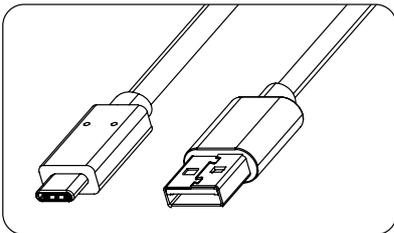
USB C to USB A Cable
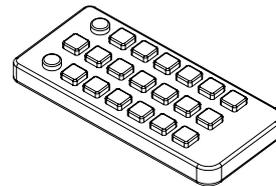
IR Remote Controller
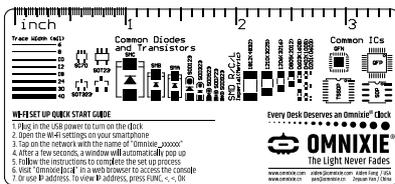
Quick Start Guide Card

■ It is highly recommended to use the included power adapter and USB cable.

Appearance

VFD Tube

IR Receiver

Speaker

USB Type-C Power Socket

Light Sensor

WiFi Status Indicator

WiFi Antenna
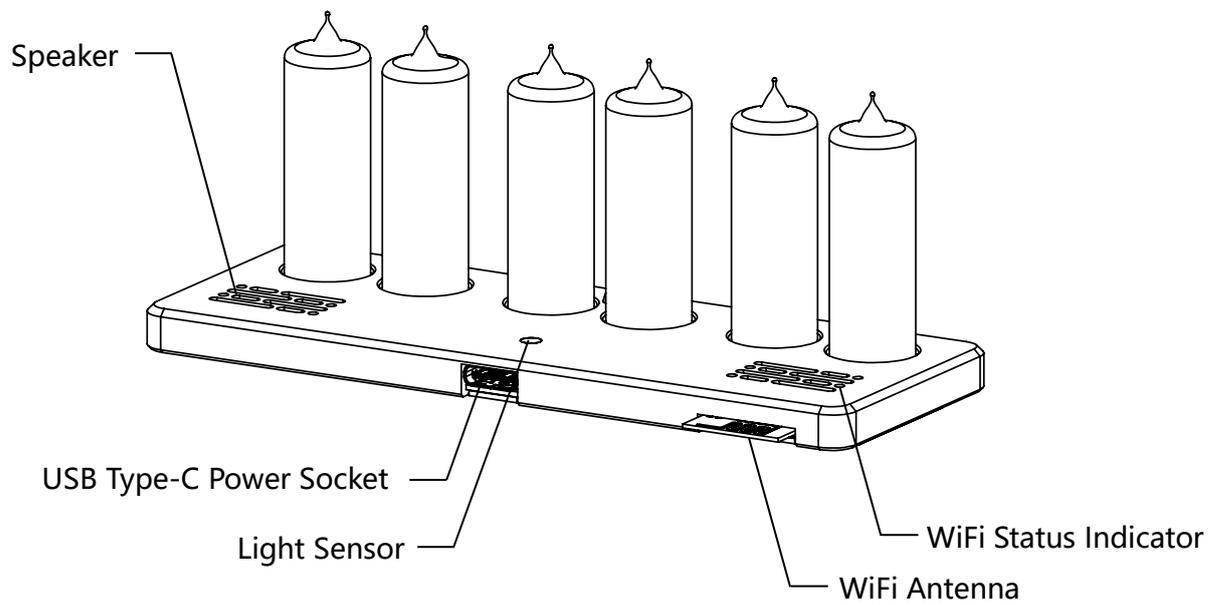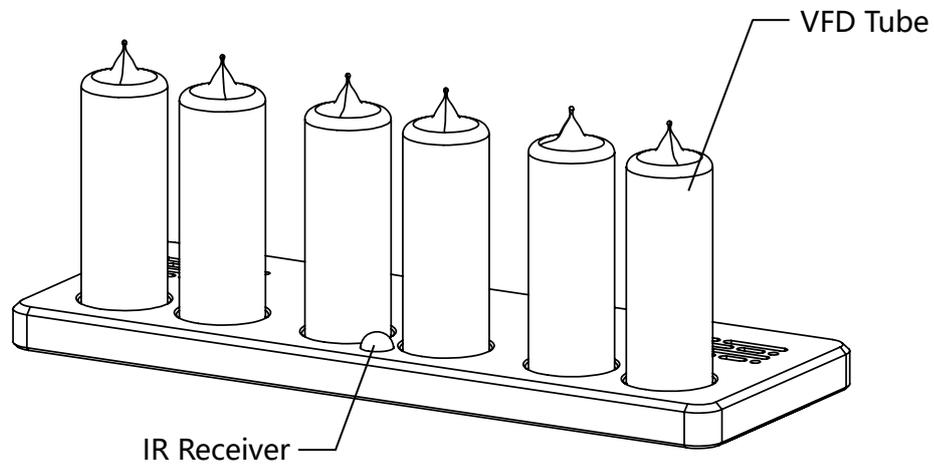
■ The appearance of the VFD tube may be different depending on the production date.

Dimension

6.5mm/0.26"

38mm/1.5"

118mm/4.6"

Φ12mm/0.47"

44mm/1.7"
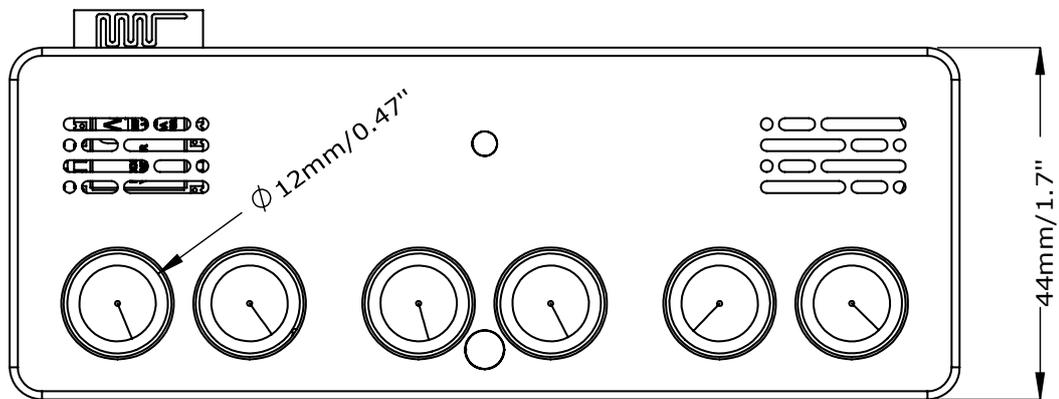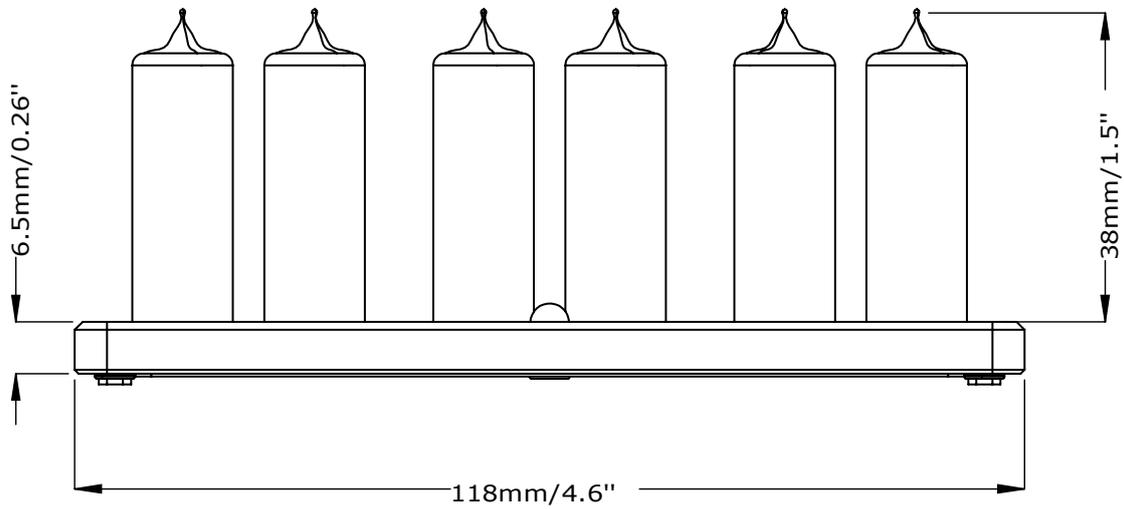
■ The actual size may vary slightly depending on the production date of VFD tubes.

Technical Specifications

Name	Specifications
VFD tube type	IV-6 (ИВ-6 1980-1992 USSR)
Power input	USB Type-C / 5V DC Max 500mA
Wi-Fi	IEEE 802.11 b/g/n
Frequency range	2.412GHz – 2.484GHz
Antenna	Built-in PCB board antenna
Dimension	118mm(L) x 44mm(W) x 45mm(H)
Material of housing	Aluminum alloy frame Carbon fiber bottom plate.
Operation temperature	0℃ - 60℃
Weight	~80g (Only the clock)
	~400g (Complete packaging)

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■ The technical specifications may be updated, please visit omnixie.com for the latest information.

Features

| Name	Description
VFD tube display	IV-6 [ИВ-6] VFD tubes produced in the Soviet Union in the 1980s to 1990s.
Multiple time and date display	Supports 12H/24H time display, optional HH:MM:SS/HH:MM time display format. Supports YY-MM-DD/YY-DD-MM/DD-MM-YY/MM-DD-YY date display format.
Brightness adjustable	8 brightness levels, which can also be automatically adjusted according to ambient light conditions (to allow sleep at night).
Talking clock	Intelligent speech system in English, Chinese Mandarin, Japanese and German. The interval and alarm music are user customizable.
Wi-Fi synchronization	Built-in Wi-Fi module, connect to router automatically and sync date and time from NTP server (NTP time accuracy can reach 1-50ms) after initial setup, never worry about the accuracy, leap year, leap seconds. Daylight saving time can be automatically adjusted. High-precision network time please refer to https://time.is
Web configuration (Support iOS, Android, Mac OS, Windows)	Built-in web server, open any web browser to access the interface page (Dashboard) to configuration of all features including Wi-Fi parameter settings, NTP settings, system status, general settings, display settings, alarm settings and firmware upgrade.
DHCP、mDNS、SSDP support	Support DHCP settings for external network access, supports mDNS for browser domain name access (no need to remember device IP address), supports SSDP for fast network discovery.
OTA firmware upgrade	The system firmware can be upgraded directly through the Web interface without any special equipment.
Support GMT setting	Supports GMT time zone setting. The system will automatically convert the local date and time according to the GMT time zone settings.
Support DST setting	Supports DST settings. Customize the start and end dates for daylight saving time to adapt to different countries daylight saving time rules.
Alarm	Four individually configurable alarm clocks, supports snooze function. (weekend activation optional)
Music key tone and alarm	Variety of key tone sound effects for easy setting confirmation. 12 kinds of alarm music, the alarm volume can be set independently.
Switch On/Off automatically	On and Off time can be set for longer tube lifetime.
IR remote	IR remote controller operation.
Volume adjustable	8 volume levels. Independent Alarm volume, mute does not affect the alarm sound.
Digits transition effects	1.Normal 2.Crossfade 3.Fade in fade out 4.Handwritten 5.Slot 6.Scan 7.Jump 8.Wiper 9.Blink
Transition speed adjustable	Ten speeds available for the transition.
Background light color scheme	15 types of background light color scheme can be configured.

IR Remote

	Power	Power ON/OFF
	LIGHT	Set Brightness
	SET	Enter setup
	DATE	Display date
	ALARM	Display alarm
	TEMP	-- NOT IN USE --
	LEFT/RIGHT	Move cursor position
	FUNC	Enter menu
	OK/CANCEL	Save/Abort
	NUMBER	Enter numbers

- ■ The IR remote uses (1) CR2025 cell. Transportation rules may not permit shipment with lithium battery installed. Please insert battery or remove the protective insulator to operate.
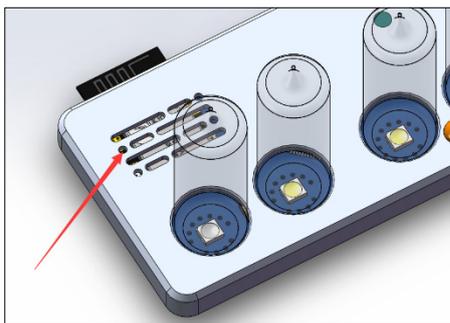
Power Adapter
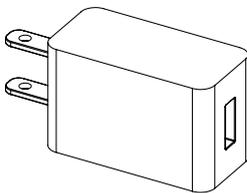
- Input: 100-240VAC, ~0.6A, 50/60Hz.
- Standard USB output.
- Output DC 5V, Max 1A.

- ■ In order to ensure proper operation, only use the supplied power adapter and high current USB cable.

Wi-Fi Introduction

The VIVID clock can connect to routers via Wi-Fi and access NTP time servers to get accurate network time (NTP servers are located all over the world and choose the fastest connected server based on your location). Additionally, a phone or computer can use the same Wi-Fi connection to set all features of the Clock.

NTP Server

NTP Server

Internet

NTP Server

NTP Server

Wi-Fi router

VIVID Clock

IPhone   Android

PC or Mac

- For the first connection, about 10 seconds after the clock is powered on, the Wi-Fi status indicator will light up in red to indicate that the clock Wi-Fi is not connected to any network and is waiting for configuration. At this point you can use any of the following methods to connect and configure the Wi-Fi network.

- The VIVID clock needs to be set to use your home network and requires a "one time" setup.
- On first power-up, the clock creates a Wi-Fi hotspot for the initial configuration.
- On your phone or PC: Go to the Wi-Fi settings and look for an SSID like: **Omnixie_xxxxxx**. This is your VIVID clock.
- Temporarily connect to the clock Wi-Fi SSID and a configuration window should open, or simply browse to http://192.168.4.1
- Teach your clock to connect and use your own Wi-Fi network by selecting your home SSID and providing the network password.
- When completed, the clock will reboot and automatically connect to your Wi-Fi.
- Your phone or PC will automatically reconnect back to your home network.
- Clock configuration will now use your Wi-Fi network. Use your phone or PC browser to view your clock for complete configuration information. Detailed steps for Android, iOS and Windows PC follow.

Wi-Fi Status Indicator

The color of VIVID clock`s Wi-Fi status indicates the current Wi-Fi link status with the following color information:

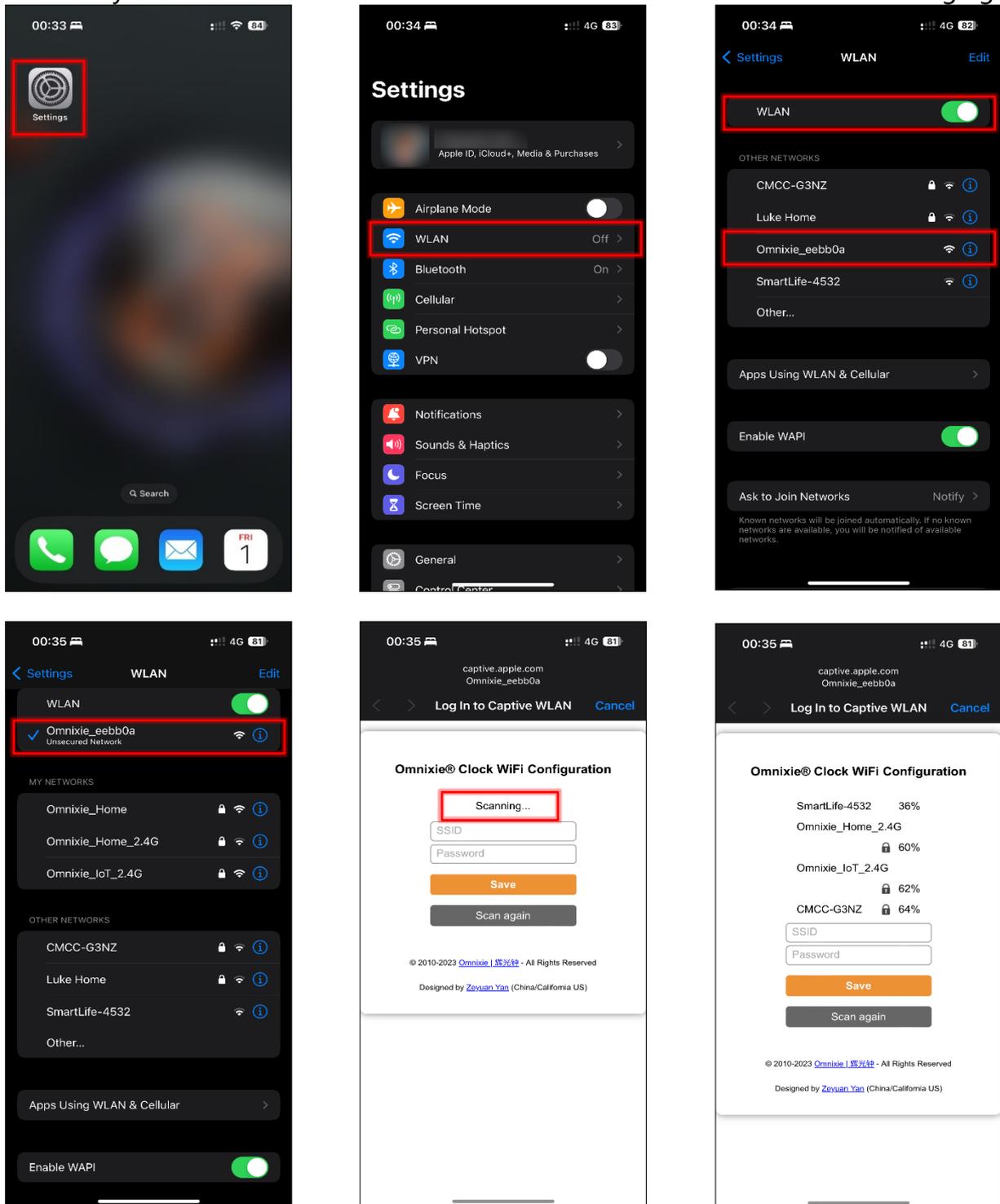| Color	Status
Red	Wi-Fi router not connected, waiting for configuration.
Yellow	Wi-Fi connected, but the NTP server is not connected.
Green	Wi-Fi connected, and the NTP server is connected.

Wi-Fi Status Indicator
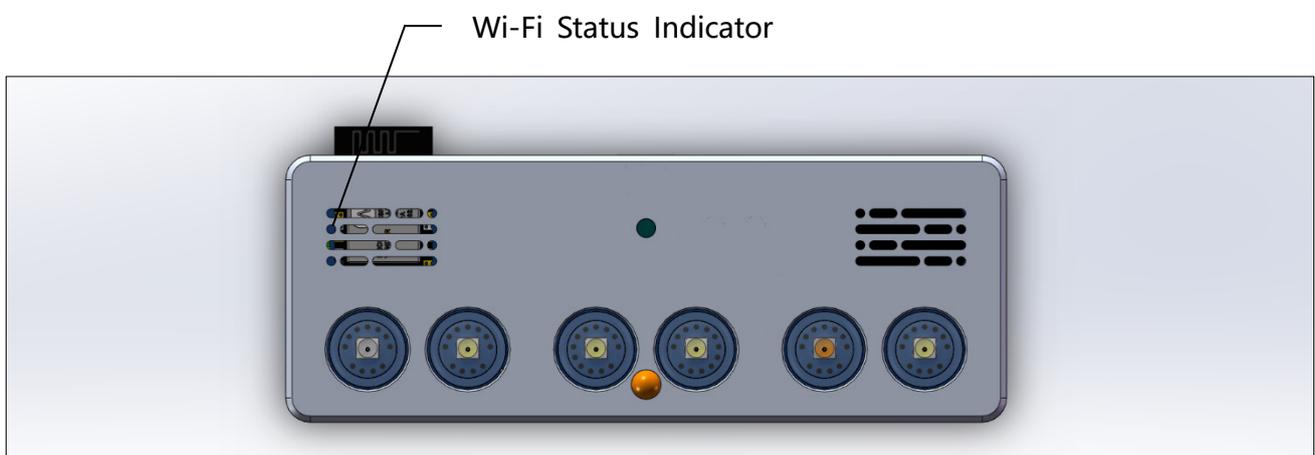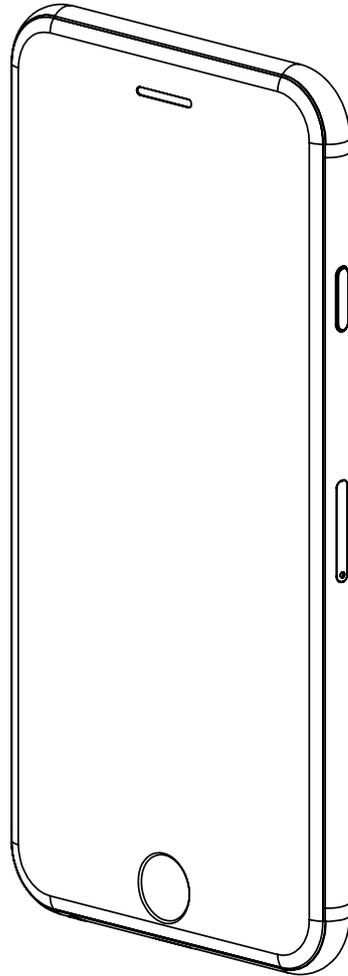
Wi-Fi Configuration with iPhone

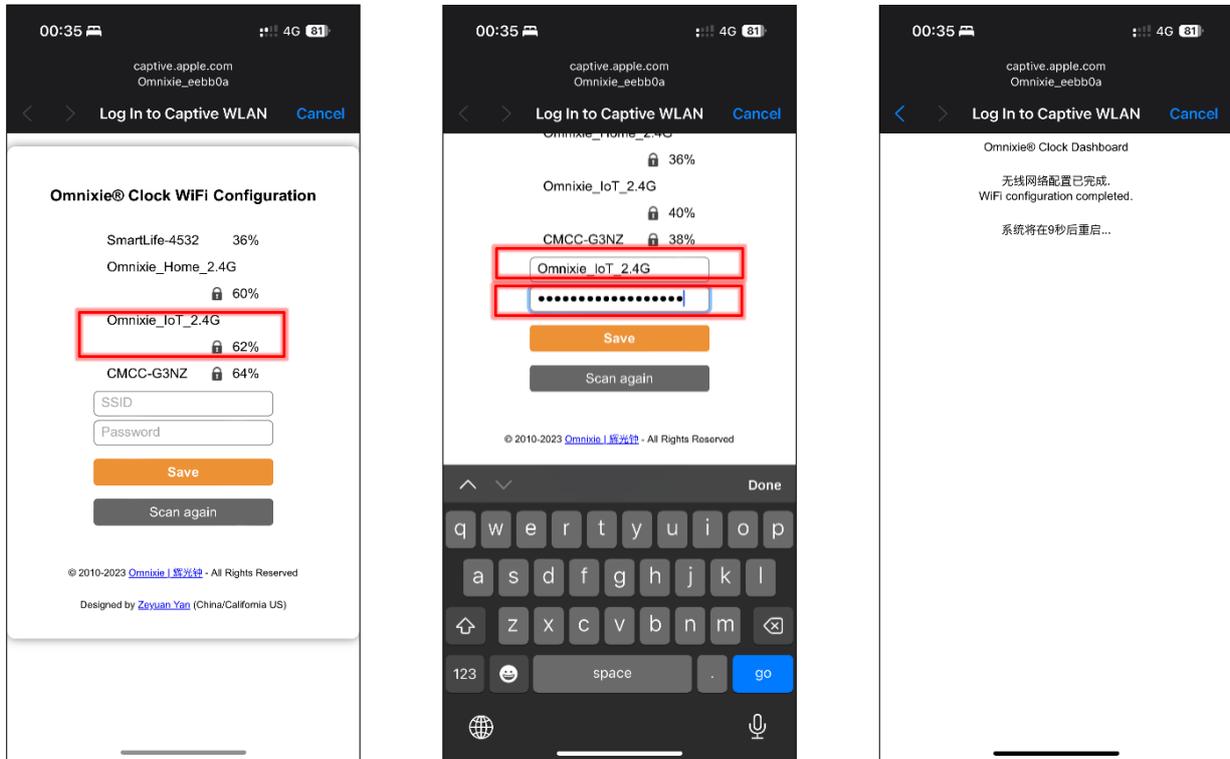Other iOS devices can refer to this method.

iPhone

Wi-Fi Configuration with iPhone

Open the **Settings**->**WLAN**, turn on **WLAN**, select **Omnixie_xxxxxx** (xxx is a serial # of your clock) in the list. After the network is connected, the Wi-Fi configuration interface will pop up automatically and start to scan the available Wi-Fi networks as shown in the following figure:

After scanning, all nearby available Wi-Fi networks will display, click the Wi-Fi name and enter the password, then click **Save** button to save the configuration. If no nearby Wi-Fi networks are displayed, please click **Scan again** button to rescan.

After the Wi-Fi configuration is completed, the clock will reboot and connect to the Wi-Fi automatically. If the connection is successful, the Wi-Fi status indicator will light **yellow** or **green**. If Wi-Fi status indicator still red after rebooting, it indicates that the Wi-Fi password just entered is incorrect, please select again to make settings.


- VIVID clock`s network name starts with **Omnixie** followed by 6-digit identifier.
- For more information of colors of Wi-Fi status indicator, please refer to **Wi-Fi Introduction -> Wi-Fi Status Indicator**.
- To reset Wi-Fi settings please refer to **Setup the VIVID clock using the Omnixie Dashboard -> Advanced Setup**.

Open Dashboard with iPhone

Method one: Open **Safari**, type **omnixie.local** to open Dashboard.
Method two: After open Dashboard, click **MENU** button below, click **Add to Home Screen** button, then you can open Dashboard on the phone desktop as an App.
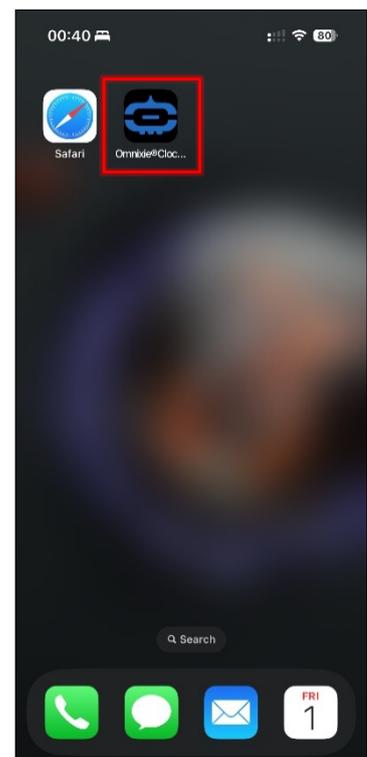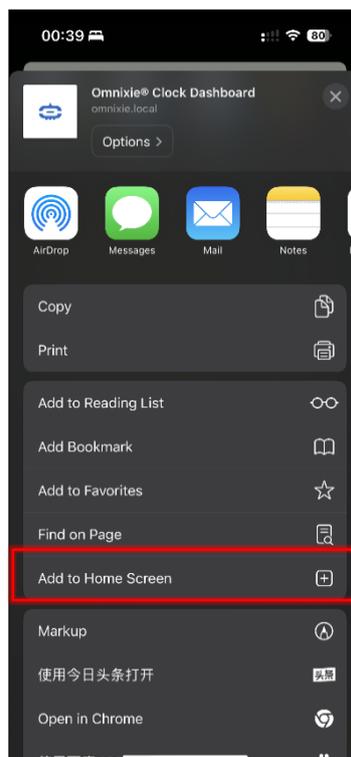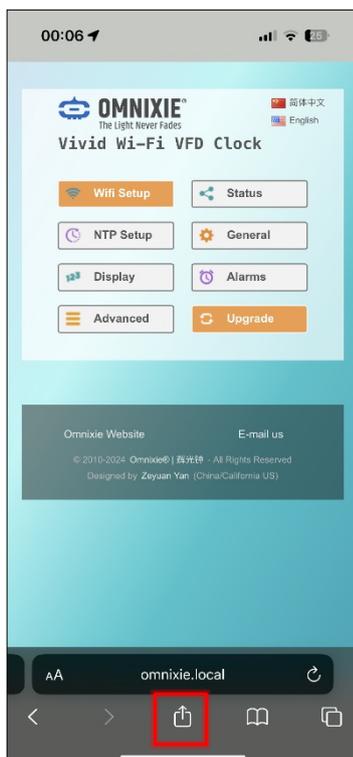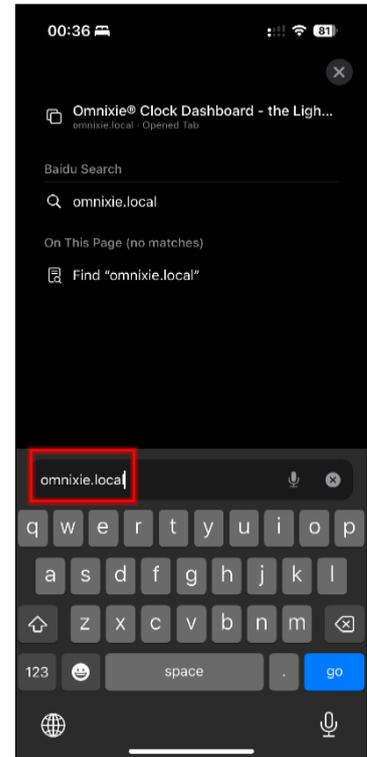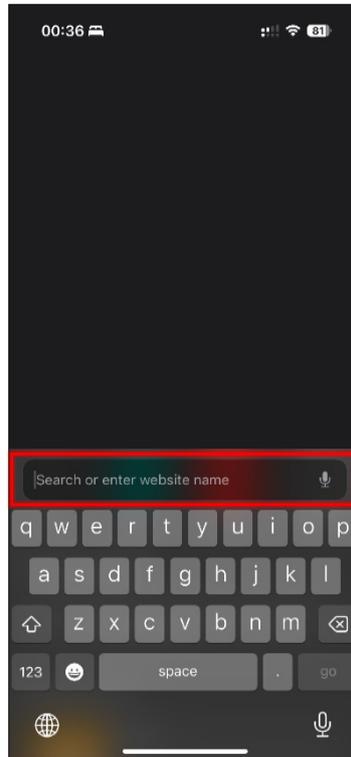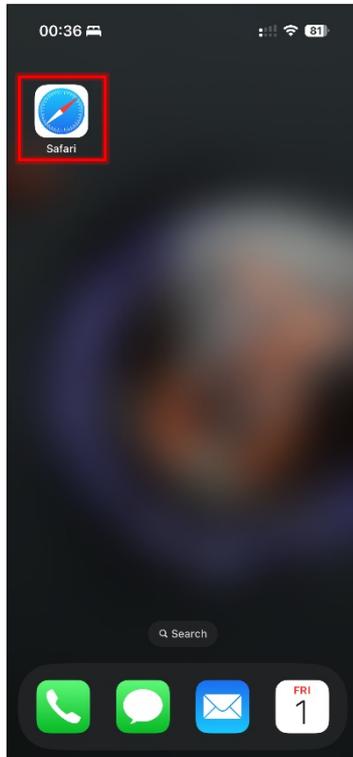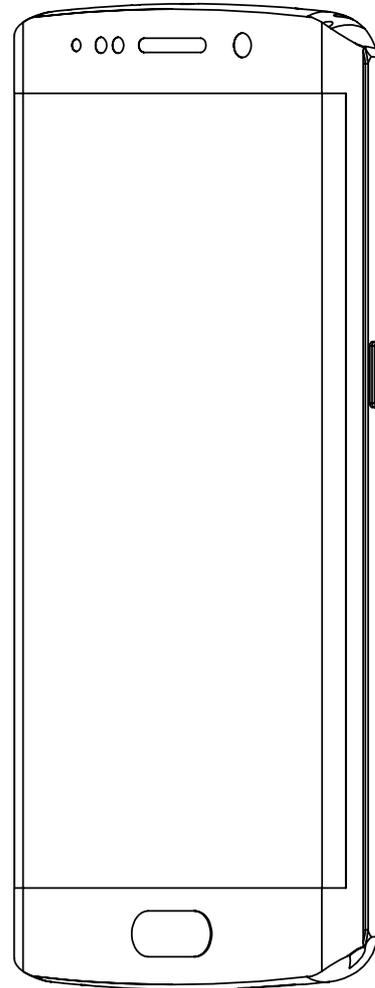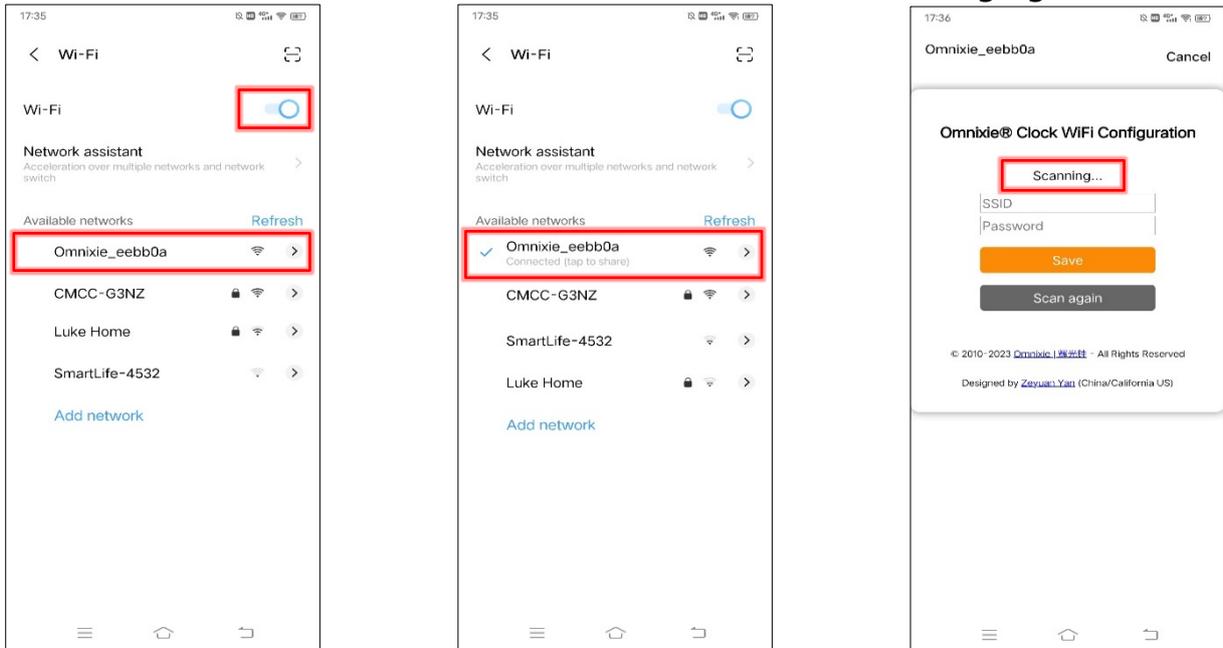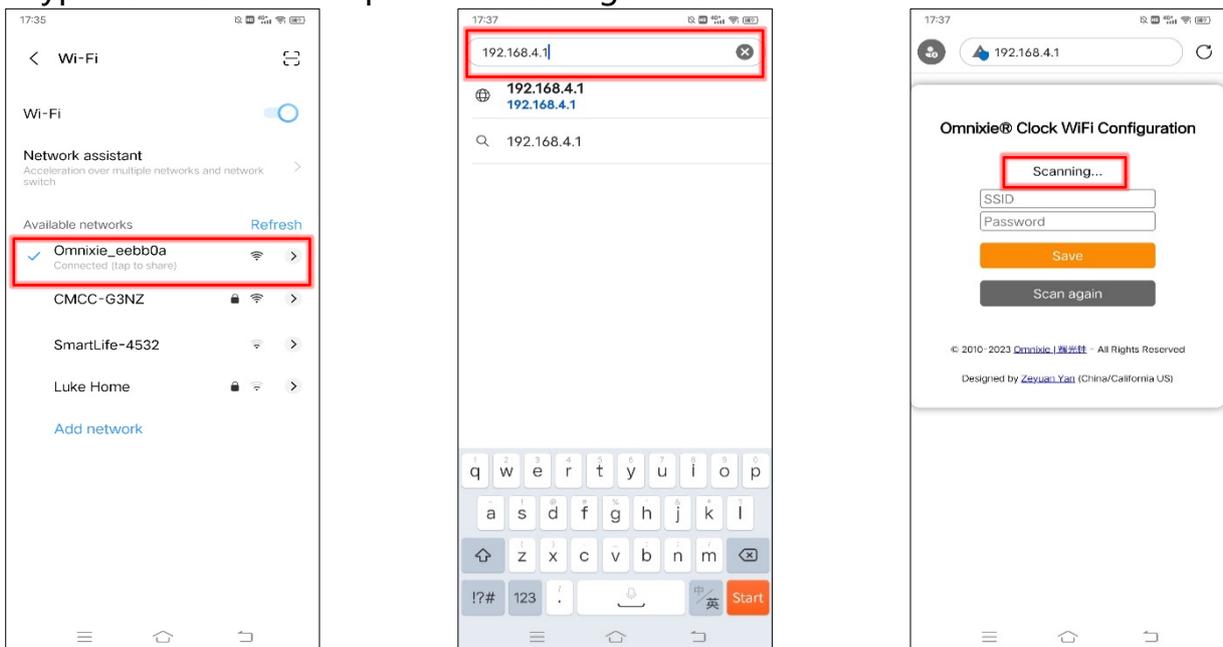
Wi-Fi Configuration with Android

Android

Wi-Fi Configuration with Android

Open the **Settings->WLAN**, enable **WLAN**, select **Omnixie_xxxxxx** in the list. After network is connected, the Wi-Fi configuration interface will pop up automatically and start to scan the available Wi-Fi networks as shown in the following figure:
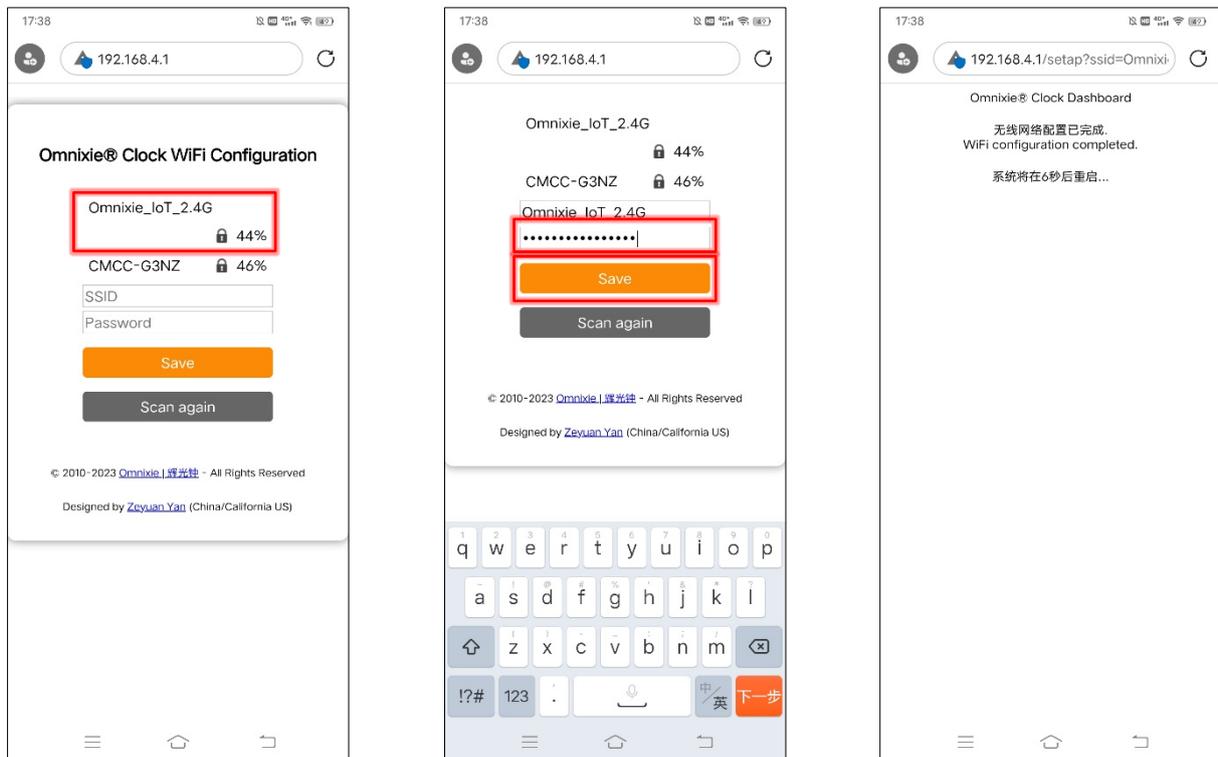

If Wi-Fi configuration interface does not pop up automatically, please open browser and type **192.168.4.1** to open Wi-Fi configuration interface.
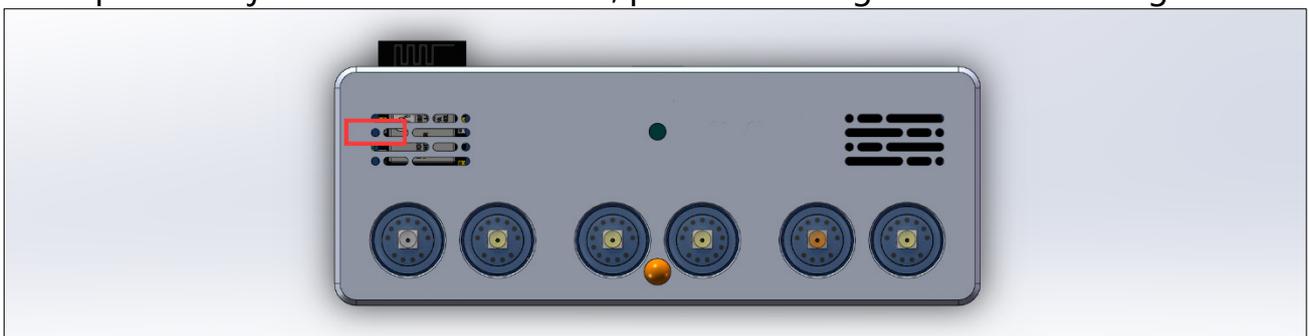
After scanning, all nearby available Wi-Fi networks will display, click the Wi-Fi name and enter the password, then click **Save** button to save the configuration. If no nearby Wi-Fi networks are displayed, please click **Scan again** button to rescan.

After the Wi-Fi configuration is completed, the clock will reboot and connect to the Wi-Fi automatically. If the connection is successful, the Wi-Fi status indicator will light **yellow** or **green**. If Wi-Fi status indicator still red after rebooting, it indicates that the Wi-Fi password just entered is incorrect, please select again to make settings.


- VIVID clock`s network name starts with **Omnixie** followed by 6-digit identifier.
- For more information of colors of Wi-Fi status indicator, please refer to **Wi-Fi Introduction -> Wi-Fi Status Indicator**.
- To reset Wi-Fi settings please refer to **Setup the VIVID clock using the Omnixie Dashboard -> Advanced Setup**.

Open Dashboard on Android

Please use the IR remote controller to check the Menu 14 for IP address of the clock (press FUNC key, LEFT key, LEFT key, and OK key in sequence), then input the IP address on your web browser, the Omnixie Clock Dashboard shows up.
After open Dashboard, click **menu** button, click **Tools** button, click **Add shortcut**, click **OK**, then you can open Dashboard on the phone desktop as an App
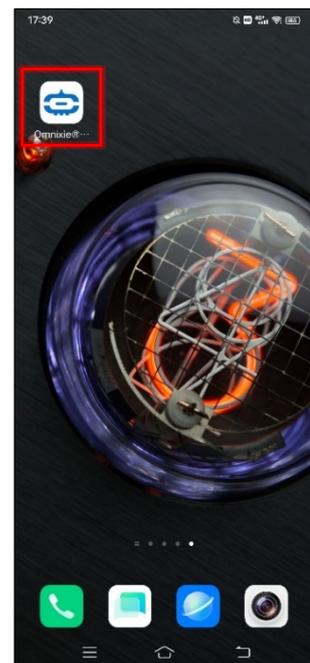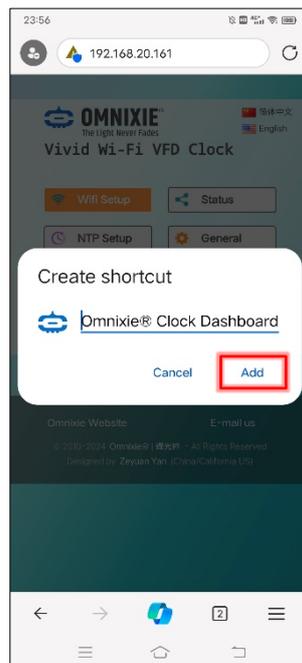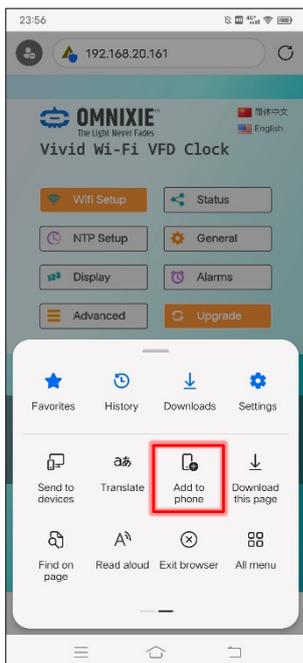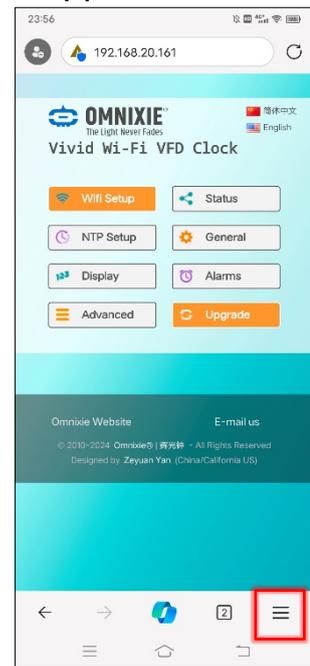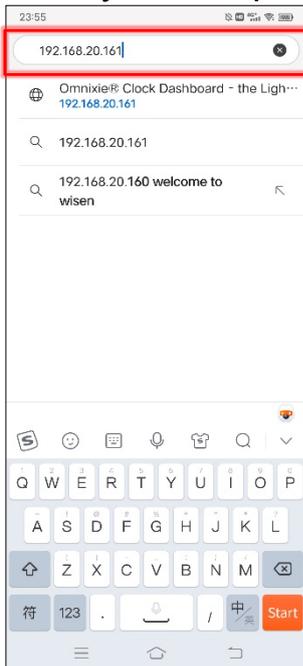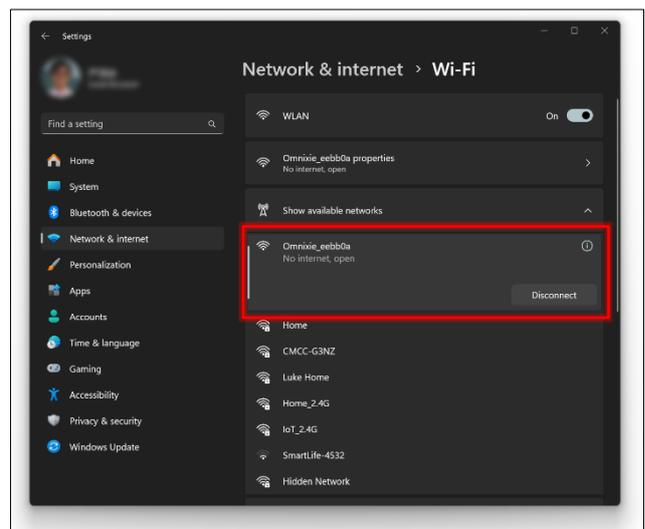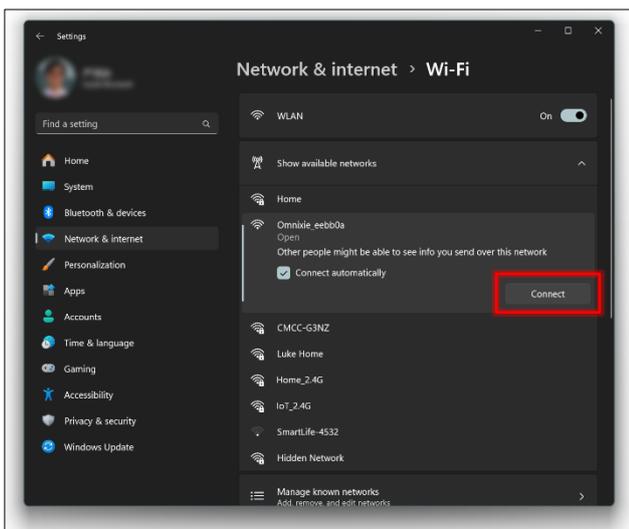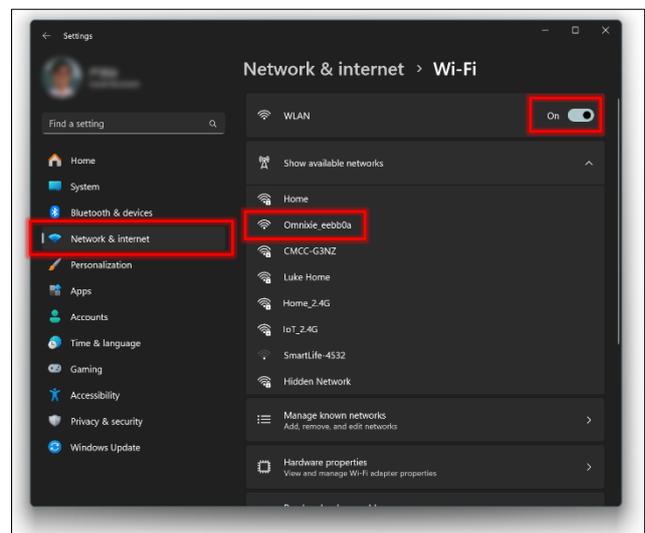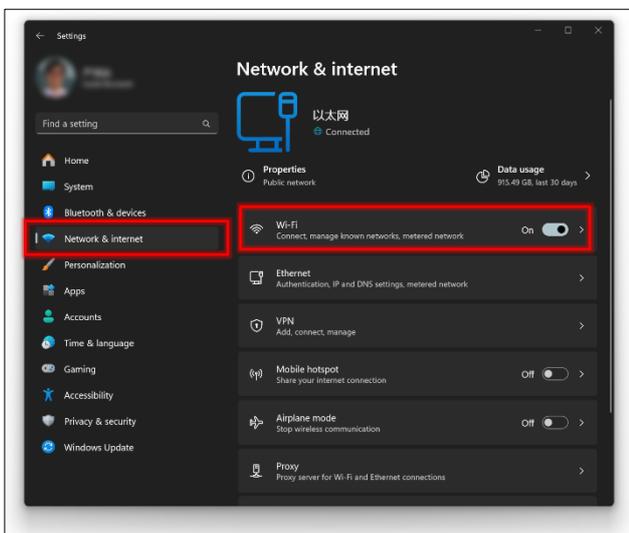
Wi-Fi Configuration with Windows

Windows

Wi-Fi Configuration with Microsoft Windows

Open the **Settings->Network & Internet->WLAN** using a computer with Windows 11 installed, then select the network **Omnixie_xxxxxx** in the **WLAN list** on the right. Waiting for the network connection, Wi-Fi configuration page will pop up automatically and start scanning available Wi-Fi networks. If the Wi-Fi configuration interface does not pop up automatically, please open any browser and enter **192.168.4.1** to open the Wi-Fi configuration interface as shown below:

■ The clock`s network name starts with **Omnixie** followed by 6-digit identifier.
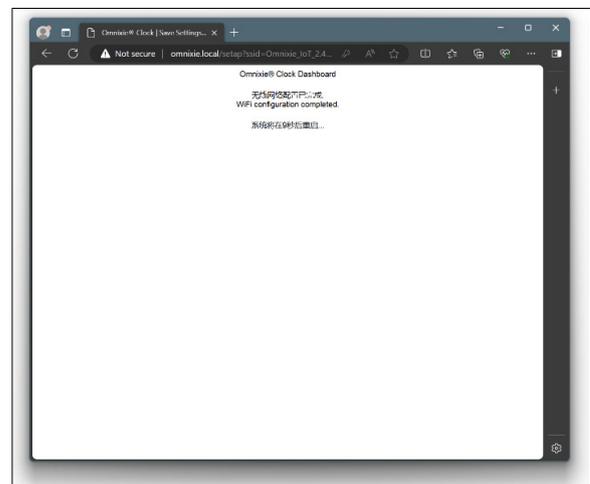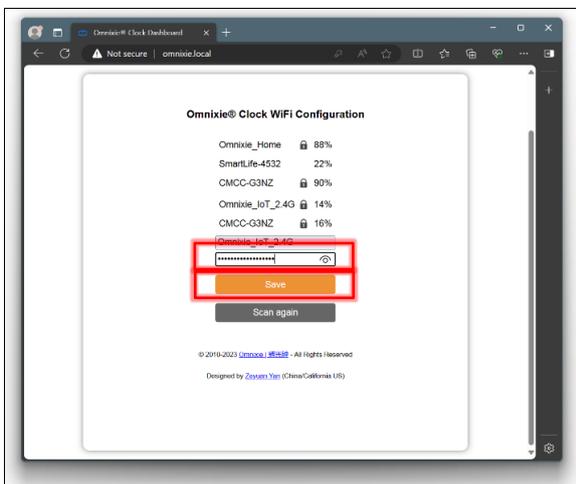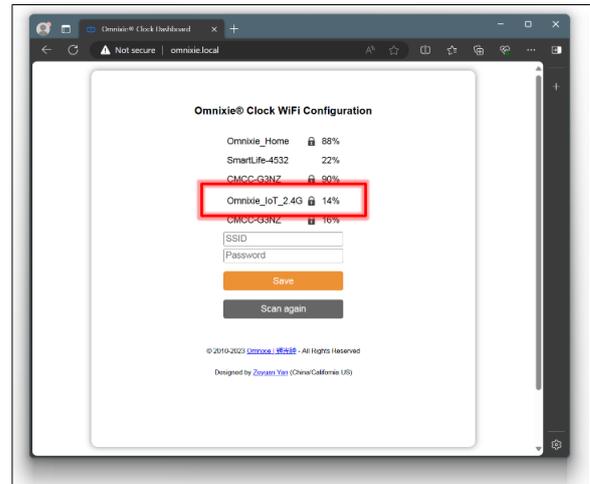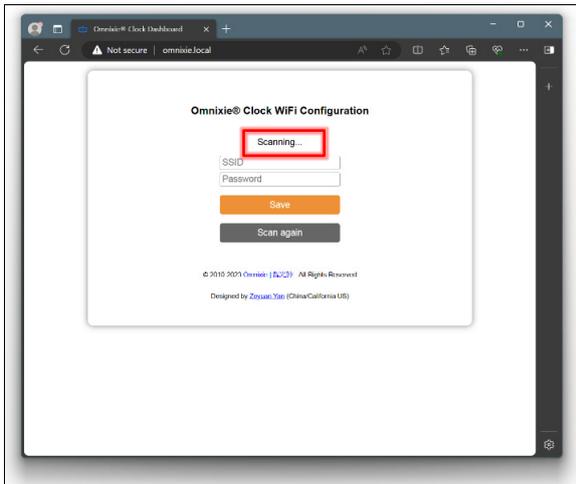
After the Wi-Fi configuration is completed, The clock will reboot and connect to the Wi-Fi automatically. If the connection is successful, the Wi-Fi status indicator will light **yellow** or **green**. If Wi-Fi status indicator still red after rebooting, it indicates that the Wi-Fi password just entered is incorrect, please select again to make settings.

- For more information of colors of Wi-Fi status indicator, please refer to **Wi-Fi Introduction -> Wi-Fi Status Indicator**.
- To reset Wi-Fi settings please refer to **Setup the VIVID clock using the Omnixie Dashboard -> Advanced Setup**.

Open Dashboard on Microsoft Windows

Open the browser, enter **omnixie.local** to open the Omnixie dashboard.
Bookmark this page or place the shortcut of this page on your desktop so that you can open it at any time.
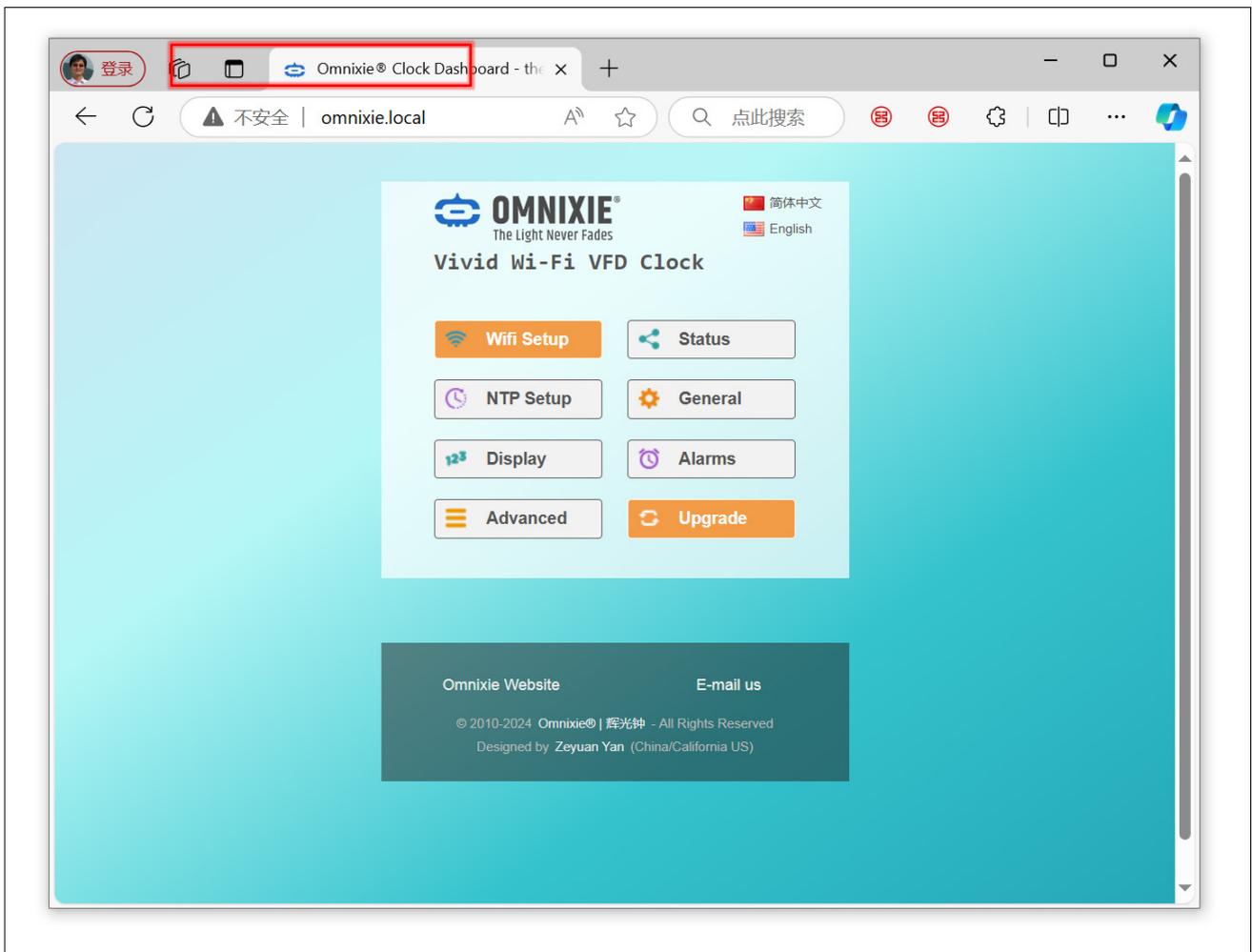
Setup the VIVID Clock

using the Omnixie Clock Dashboard

Omnixie Clock Dashboard
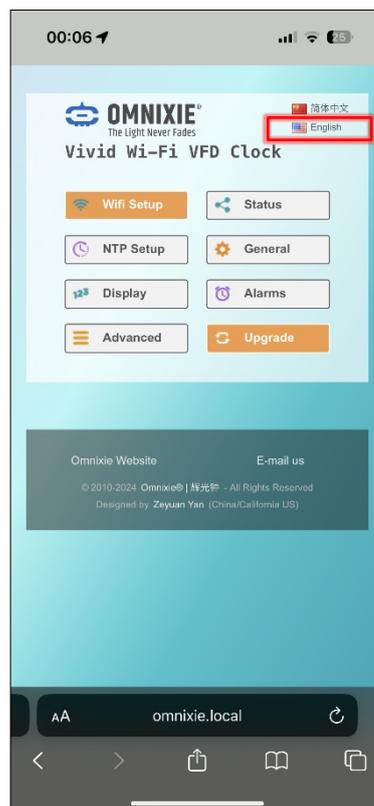
Set the VIVID using the Dashboard

Introduction of the Dashboard

The Dashboard is an interface for remote control and operation of the clock, it includes eight functional modules: **Wi-Fi Setup, System Status, NTP Setup, General Setup, Display Setup, Set Alarms, Advanced Setup, Upgrade Firmware**.
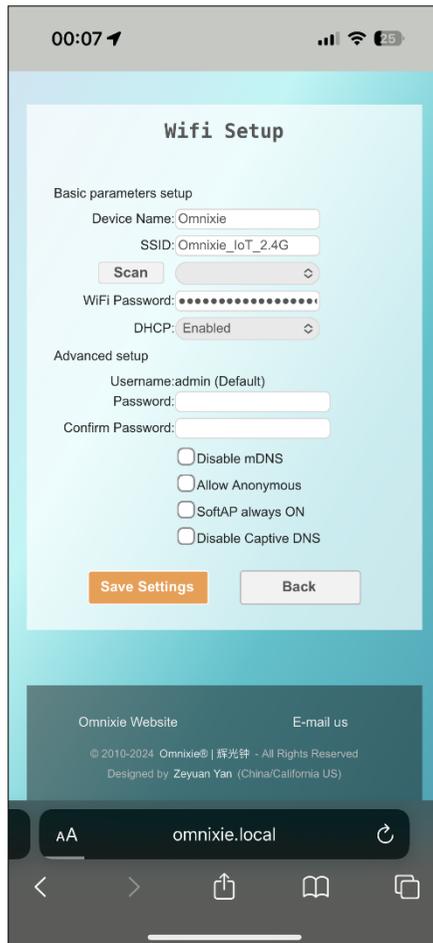

Set Language of the Dashboard

Click the language button in the upper right corner to switch Dashboard language as shown below:

Wi-Fi Setup

Wi-Fi network parameter setting.

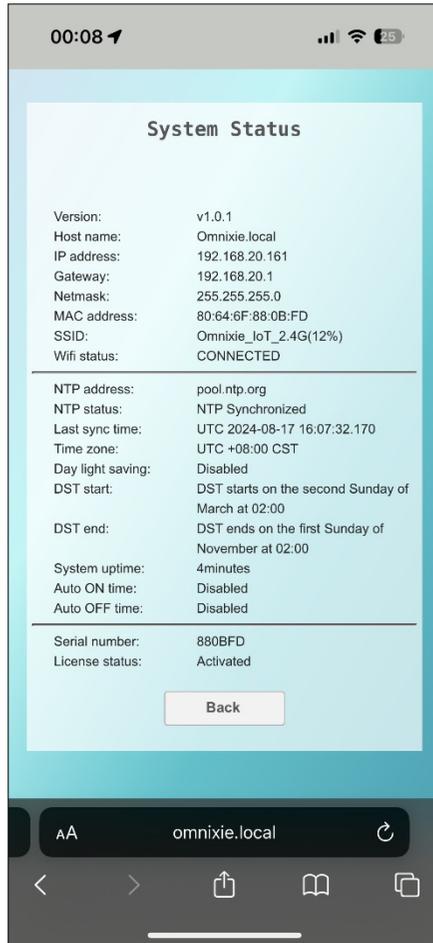| Name	Option	Description
Device Name		The default is Omnixie, network name of the clock.
SSID		The name of the connected network, this is usually the SSID name of the connected router.
Scan		Click Scan button and select the name in the list if you want to connect a different router.
Wi-Fi Password		The password of the network.
DHCP	Enabled	Default
	Disabled	
Username		admin, cannot be changed.
Password		Access password for the Omnixie Dashboard.
Confirm Password		Repeat password.
Disable mDNS		Multicast DNS. (Advanced network settings)
Allow Anonymous		(Advanced network settings)
SoftAP always ON		(Advanced network settings)
Disable Captive DNS		(Advanced network settings)

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■   "Advanced network settings" items usually do not need to be set.

System Status

View operating parameters of the clock system.

Name	Description
Version	System version
Host name	Configurable
IP address	Configurable
Gateway	Configurable
Net mask	Configurable
MAC address	Unique
SSID	Configurable
Wi-Fi status	Connect status
NTP address	Configurable
NTP status	Connect status
Last sync time	The latest time of sync with NTP
Time zone	Configurable
Day light saving	Configurable
DST start	Configurable
DST end	Configurable
System uptime	System uptime from power up
Auto ON time	Configurable
Auto OFF time	Configurable
Serial number	Unique
License status	Software license

NTP Setup

NTP parameters setting.
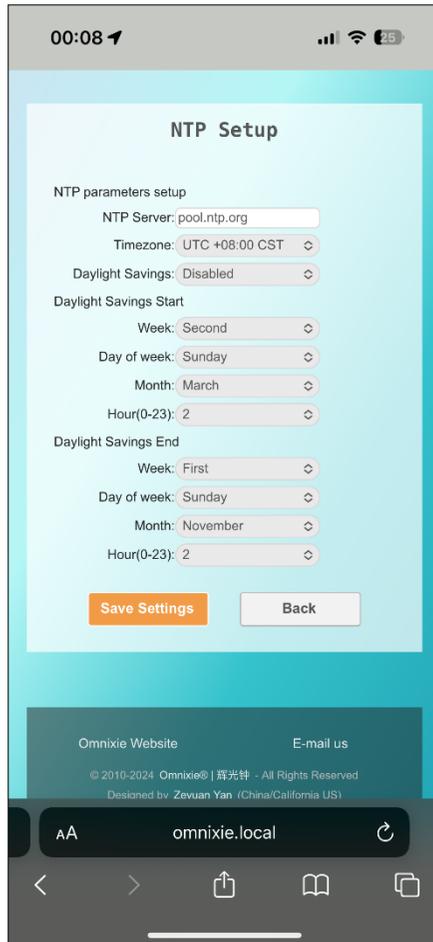
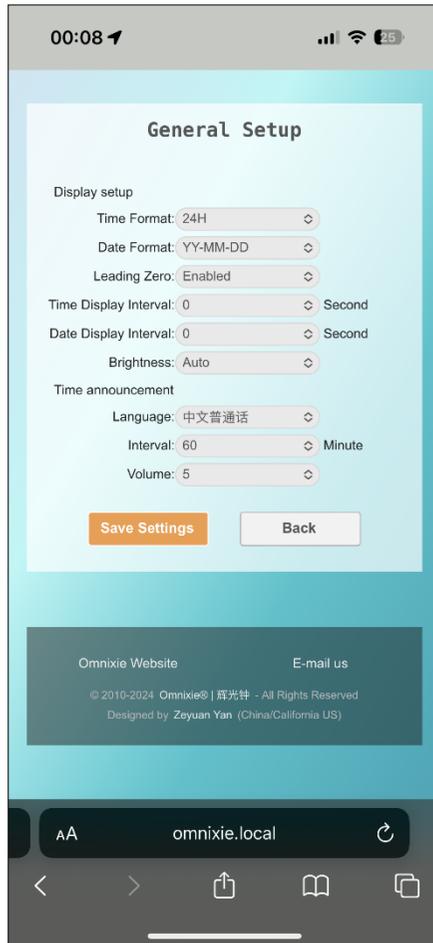| Name	Option	Description
NTP Server	Default pool.ntp.org is a commonly used NTP server pool.	
Time zone	UTC+14:00 – UTC-11:00	Default UTC +08:00 CST
Daylight Savings	Enabled	
	Disabled	Default
Week of DST Start	First, Second, Third, Fourth, Last	Default Second
Day of week of DST Start	Sunday – Saturday	Default Sunday
Month of DST Start	January – December	Default March
Hour of DST Start	0 – 23	Default 2
Week of DST End	First, Second, Third, Fourth, Last	Default First
Day of week of DST End	Sunday – Saturday	Default Sunday
Month of DST End	January – December	Default November
Hour of DST End	0 – 23	Default 2

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■ Please set the time zone correctly, the clock will automatically convert the local date and time according to UTC time.

General Setup

Set the basic function parameters of the clock.

Name	Option	Description
Time Format	24H HH:MM:SS	
	12H HH:MM:SS	Default
Date Format	YY-MM-DD	
	YY-DD-MM	
	DD-MM-YY	
	MM-DD-YY	Default
Leading Zero	Enabled	Default
	Disabled	
Time Display Interval	0 - 60 sec	Default 0 sec
Date Display Interval	0 - 60 sec	Default 0 sec
Brightness	Auto	Default
	1(Darkest)-8(Brightest)	
Language	中文普通话(Chinese mandarin)	
	English	Default
	日本語 (Japanese)	
	Deutsch	
Interval	Disable	
	1.2.3.5.10.15.20.30.60 Min	Default 60 Min
Volume	Mute	
	1(Min) – 8(Max)	Default 5

Display Setup

Set digits display effects.
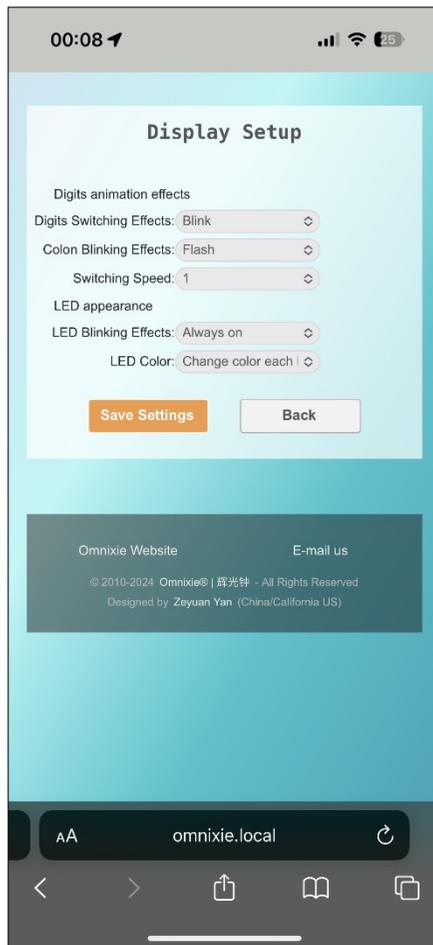
Name	Option	Description
Digits Switching Effects	Normal	
	Crossfade	
	Fade in fade out	
	Handwritten	
	Slot	
	Scan	
	Jump	
	Wiper	
	Blink	Default
Colon Blinking Effects	Always on, Always off, Blink, Fade in fade out, Jump, Flash (Default)	
Switching Speed	0 (Fastest) – 9 (Slowest)	Default 1
LED Blinking Effects	Always off	
	Crossfade	
	Always on	Default
LED Color	Change color together	Default Change color each L->R
	Red, Orange, Green, Purple, Blue, Cyan, White	
	Change color each/all(L->R, R->L, Out->In, In->Out)	
	Rainbow days	Base-light color will following rainbow colors from Monday-Sunday

Setup Alarms

Setup alarms parameters.
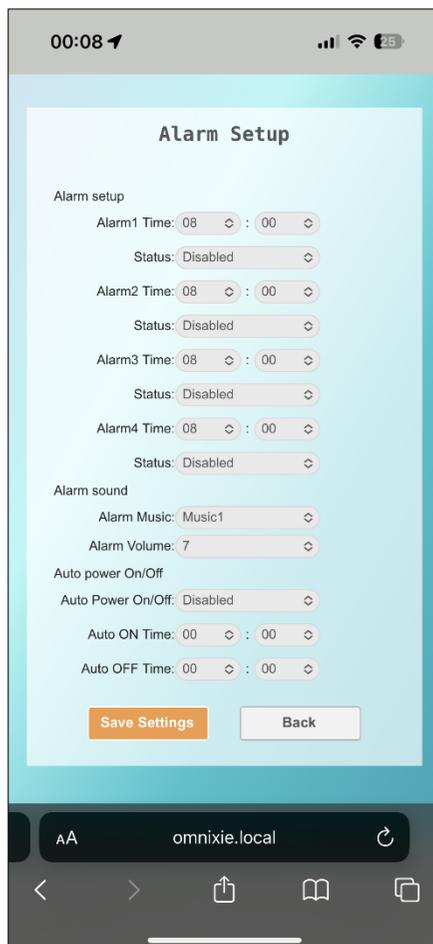
Name	Option	Description
Alarm 1/2/3/4 Time	Set Hour and Minute of Alarms	
Status	Disabled	Default
	Enabled (Only working days)	
	Enabled (All days)	
Alarm Music	Music 1 – Music 12	Default Music 1
Alarm Volume	1(Min) – 8(Max)	Default 7
Auto Power On/Off	Disabled	Default
	Enabled (Only working days)	
	Enabled (Everyday)	
Auto ON Time	Hour and Minute of Auto On	
Auto OFF Time	Hour and Minute of Auto Off	

- The working days means Monday – Friday.
- Alarm Volume is different with **General Setup -> Volume**.

Advanced Setup

Restore default settings.
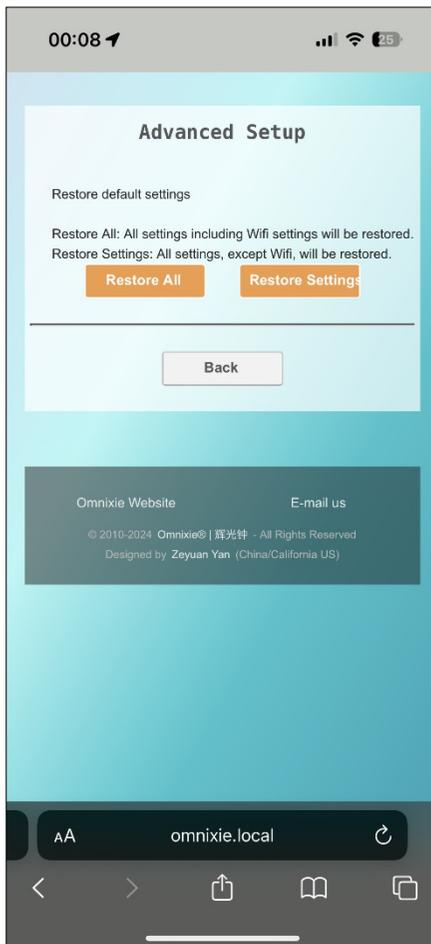
Name	Option	Description
Restore all		All settings including Wi-Fi settings will be restored.
Restore Settings		All settings, except Wi-Fi, will be restored.

Upgrade Firmware

The VIVID clock's firmware can be upgraded via browser.
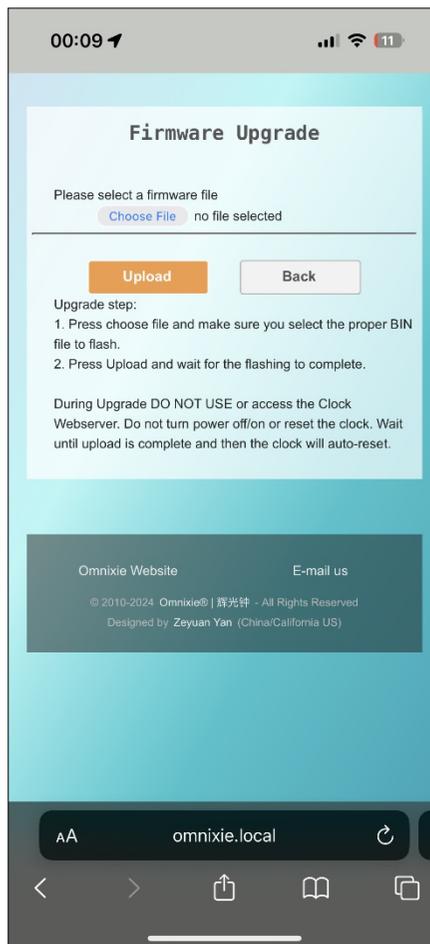
Upgrade steps:

1. Click the **Choose File** button to select the upgrade file, make sure the file is the Bin file used for upgrade.
2. Clock the **Upload** button to start the upgrade and wait patiently for complete.

⌨

- Do NOT access the Dashboard page during the upgrade process, do NOT power off, the clock will automatically restart after the upgrade is completed.
- Wi-Fi network parameters need to reconfigure after upgrading.
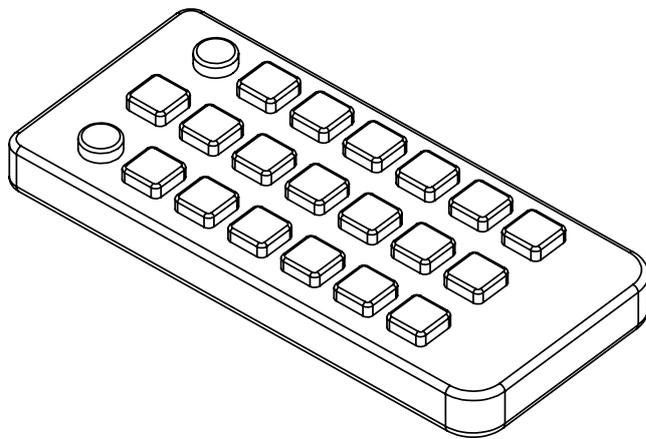
Setup the VIVID Clock with IR Remote

IR remote

Basic Operations

Power On/Off

Toggle the clock on/off by pressing **POWER** button on IR remote controller.

- Press **POWER** button of IR remote to power off.
- Press **POWER** button again to power on.

- During long periods of non-use, please disconnect the power.

Set Brightness

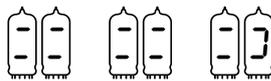Brightness can be set to eight levels or automatically adjusted according to ambient light conditions.
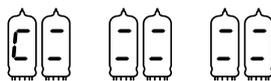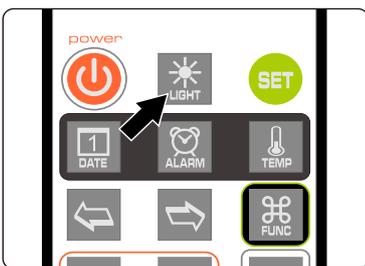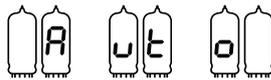
Level 1 (the darkest)
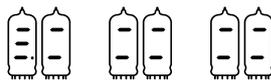
Level 2
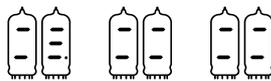
Level 3

Level 8 (the brightest)

Automatic

- When brightness is set to automatic, the ambient light controls the brightness of LEDs so that the clock will not disturb your sleep at night.

Talking Clock

Internal phonetic chip can speak the clock time.

- Press **OK** button or **0-9** button to trigger talking clock.
- Set the time interval of automatic talking clock by following MENU 12.

- Talking clock can be triggered any time.
- Built-in speech system in English, Chinese Mandarin, Japanese and German. Speech system setup at MENU 11.
- Volume of talking clock is controlled by the system volume.

Set Volume

Volume of talking clock or other sound effects can be set to eight levels.
Press LEFT/RIGHT button to set volume.
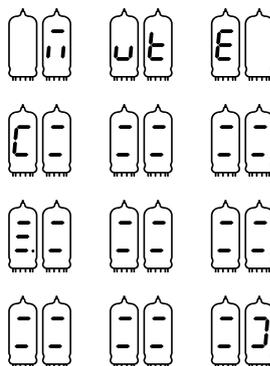
Mute

Volume 1 (Min)

Volume 2

Volume 8 (Max)

- This volume setting is only for talking clock and sound effect during operating. The volume of alarms is independent.
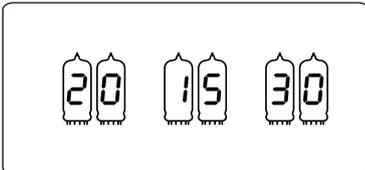- To set volume of alarms please consult MENU 10.

Display Time

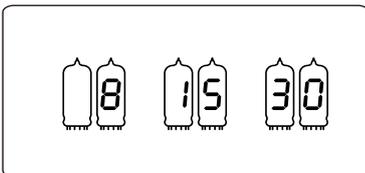● The clock will display real time after power on.
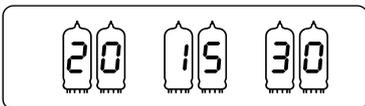
E.g.: now time is PM 08:15:30, will display:
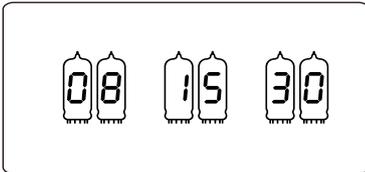
`08 15 30`	● Time will display as shown left when time format set to 12H.
`20 15 30`	● Time will display as shown left when time format set to 24H.
`8 15 30`	● Time will display as shown left when Leading Zero Disabled.
`20 15 30` `16 12 01`	● Date will display for seconds with set interval. ● To set the interval, please consult MENU 3 and MENU 4.

⌨
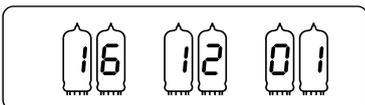
■ To set 12/24 time format, please use MENU 1.
■ To set leading zero, please use MENU 5.
■ To control digital switching effect setting, please use MENU 6.
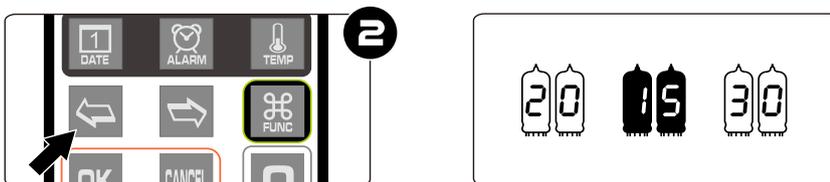■ To set colon display effect, please use MENU 8.

Set Time

Time can be set manually or synchronized from NTP server via Wi-Fi.
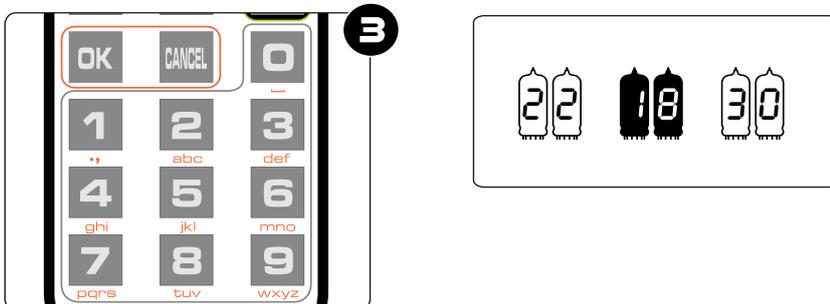To set time manually:

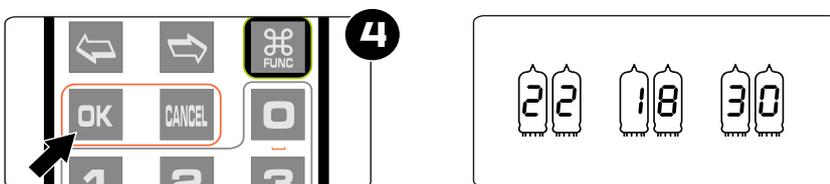- Press **SET** button enter time setting mode, 2 digits on the right start blinking.
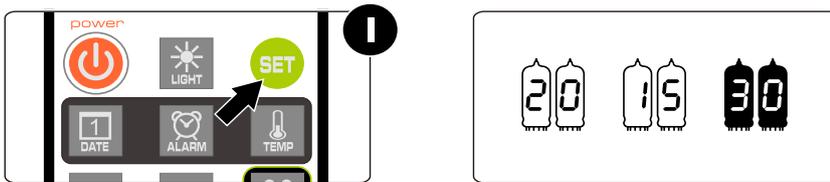
- Press **LEFT/RIGHT** button select position of setting.

- Press **0-9** button input HOUR, MINUTE or SECOND.

- Press **OK** button to save setting, press **CANCEL** button to abort.

- Time will display in 24 hour mode HH:MM:SS during setting mode.
- Any digits can be input during setting, but system will check if the time entry is valid when you save it. Invalid times will not be saved.
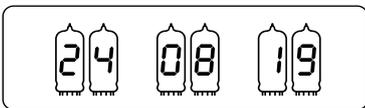
Display Date

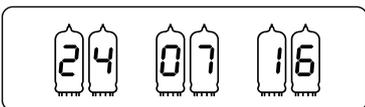The VIVID clock can display year, month, day and Chinese lunar date.

● Press **DATE** button once to display date; press twice to display Chinese lunar date. E.g.: Now date is Aug 19, 2024, Chinese lunar date is 2024-07-16.
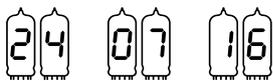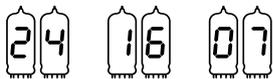

● Press DATE button once, display date.

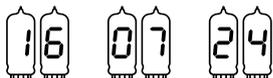● Display date 2024-08-19, shown left.

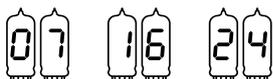● Press DATE button twice, display Chinese lunar date 2024-07-16, shown left.

● Date format set to YY-MM-DD, shown left.

● Date format set to YY-DD-MM, shown left.

● Date format set to DD-MM-YY, shown left.

● Date format set to MM-DD-YY, shown left.

■ After 3 seconds of display date, the clock will return to time display mode.
■ Date and time can be displayed alternately, please consult MENU 3 and MENU 4.
■ Date format can show YY-MM-DD, YY-DD-MM, DD-MM-YY or MM-DD-YY, please consult MENU 2 to set the date format.

Set Date

Date can be set manually or synchronized by NTP server via Wi-Fi.
To set date manually:

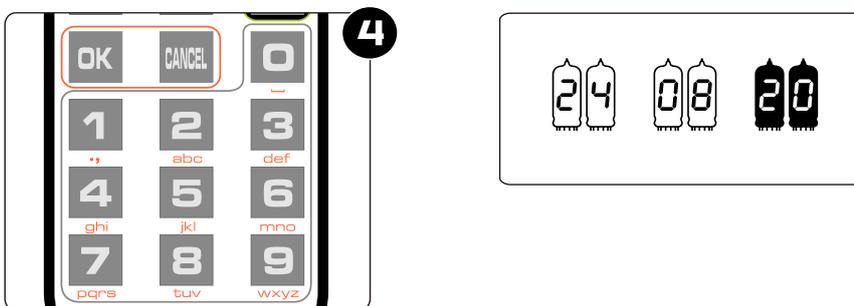- Press **DATE** button to show the date.

- Press **SET** button to enter set date mode, 2 digits on the left start blinking.
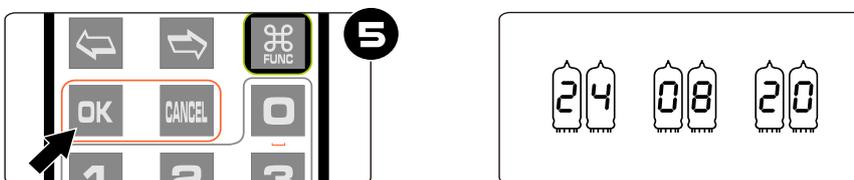
- Press **LEFT/RIGHT** button to select setting position.

- Press **0-9** button to enter YEAR, MONTH or DAY.

- Press **OK** button to save setting, press **CANCEL** to abort.

- In setting mode, the date format always displayed as YY-MM-DD.
- Any digits can be input during setting, but system will check if the date entry is valid when you save it. Invalid dates will not be saved.
- Chinese lunar date does not need to be set; the system will calculate it automatically.
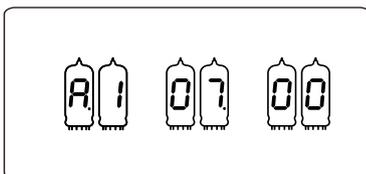
Display Alarms

The clock can support 4 alarms, each can be active in working days or every day separately.

- Press **ALARM** button to check alarm 1, press twice/three times/four times to check alarm 2/3/4.
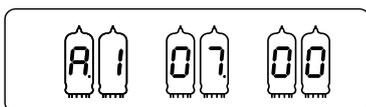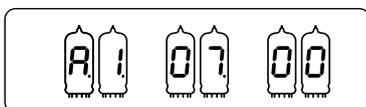
E.g.: Alarm 1 set to 7:00 AM.

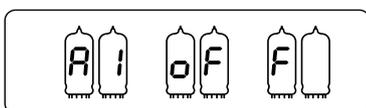- Press **ALARM** button to display alarm 1 as shown left.

- Press **FUNC** button during display alarm to activate or disable alarm.

- Alarm activated in working days as shown left.

- Alarm activated every day as shown left.

- Alarm disabled as shown left.

- The clock will return to time display mode from display alarm after 3 seconds.
- Alarm will sound for 60s.
- When the alarm sounds, you can press 0-9 button to snooze, the alarm will alarm again after 1-10 minutes (1-9 button for 1-9 minutes and 0 for 10 minutes), or press any other button to stop the alarm.
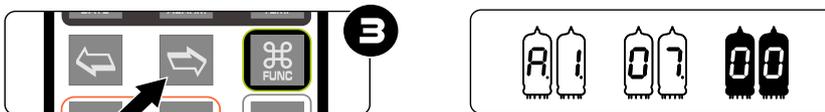
Set Alarms

- Press **ALARM** button to select alarm, digits on the left will show alarm number, A1 means alarm1, A2 is alarm 2.
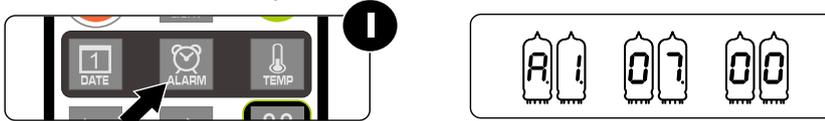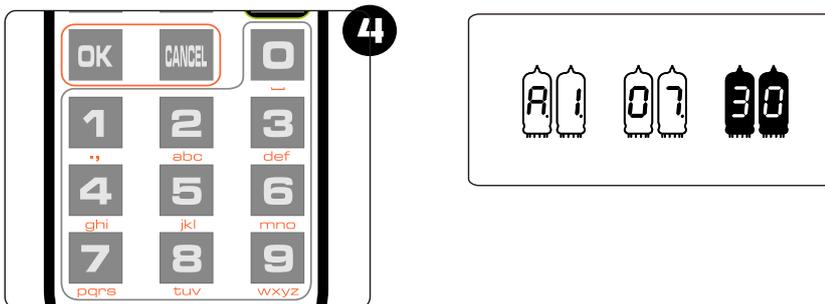

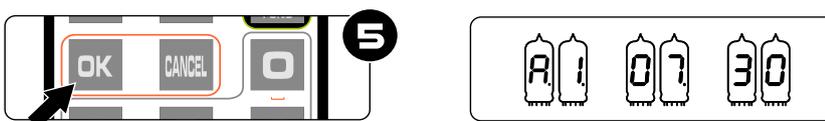- Press **SET** button to enter alarm set mode, HOUR blinks during setting.

- Press **LEFT/RIGHT** button to select set position.

- Press **0-9** button to input HOUR or MINUTE.

- Press **OK** button to save setting, press **CANCEL** to abort.

- Any digits can be input during setting, but system will check if the alarm time entry is valid when you save it. Invalid alarm times will not be saved.
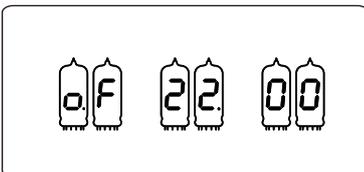- Consult DISPLAY ALARMS for information on how to enable/disable alarm.

Display Auto On/Off

Press **ALARM** button 5 times to display AUTO ON time, press 6 times to display AUTO OFF time.
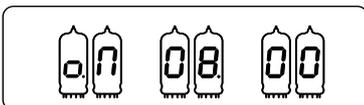
E.g.: AUTO ON time set to 8:00 AM, AUTO OFF time set to 10:00 PM.
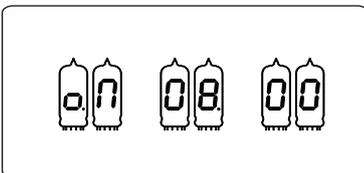
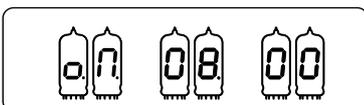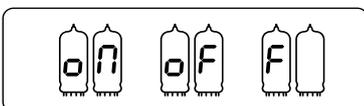- Press **ALARM** button 5 times to display AUTO ON time, 8:00 AM.

- Press **ALARM** button 6 times to display AUTO OFF time, 10:00 PM.
-

- Only left tube displays the dot means active on working days.

- The left two tubes display the dot means active every day.

- OFF means disable.

- VIVID will not turn off on the weekend if active on working days.
- VIVID will turn on and off automatically if active every day.

Set Auto On/Off

Press **ALARM** button 5 times to display AUTO ON time. OFF means disable the Auto On/Off function, press **FUNC** button before setup.
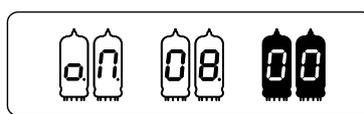
E.g.: AUTO ON time set to 8:30 AM, AUTO OFF time set to 10:00 PM, active every day, should be like this:
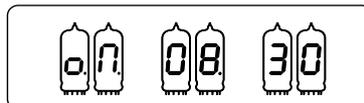
- Press **SET** button to enter auto on time set mode, HOUR blinks during setting.

- Press **LEFT/RIGHT** button to select set position.

- Press **0-9** button to input HOUR or MINUTE.
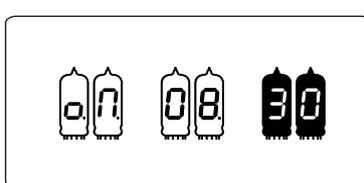
- Press **OK** button to save setting, press **CANCEL** to abort.
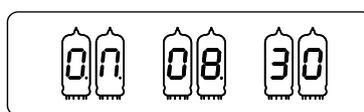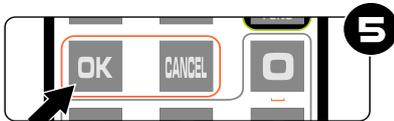
- Press **FUNC** button to switch Active on **working days, Active every day** and **Disable**.
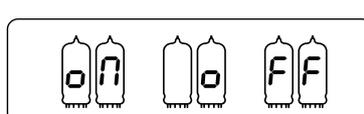
- Any digits can be input during setting, but system will check if the time entry is valid when you save it. Invalid times will not be saved.
- The Omnixie default will check auto on/off mode and time every minute.

System Menu

There are 16 different items in the menu for setting system parameter.

- Press **FUNC** button to enter menu.

- Press **LEFT/RIGHT** to select menu items.
- Press **SET** button to set current menu item.

- The clock will return to time display mode after 3 minutes if there are no menu operations.

Menu Setup

There are 16 items in the menu to set parameters.

- Press **SET** button to enter setting mode.

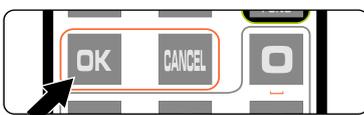- Press **LEFT/RIGHT** button to change setting position.
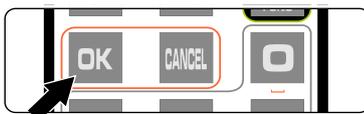
- Press **OK** to save setting.
- Press **CANCEL** to abort.

Menu 1   ⟦1⟧ ⟦t⟧ ⟦F⟧   Set Time Format

Display	Parameter	Remarks
⟦ ⟧ ⟦24⟧ ⟦H⟧	24 hour	
⟦ ⟧ ⟦12⟧ ⟦H⟧	12 hour	Default
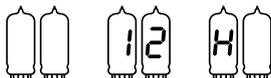
Menu 2   ⟦2⟧ ⟦dt⟧ ⟦F⟧   Set Date Format
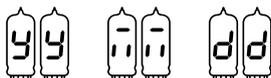
Display	Parameter	Remarks
⟦YY⟧ ⟦MM⟧ ⟦dd⟧	YY-MM-DD	
⟦YY⟧ ⟦dd⟧ ⟦MM⟧	YY-DD-MM	
⟦dd⟧ ⟦MM⟧ ⟦YY⟧	DD-MM-YY	
⟦MM⟧ ⟦dd⟧ ⟦YY⟧	MM-DD-YY	Default
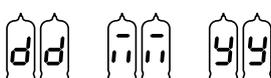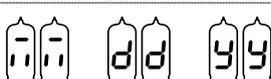
Menu 3   ⟦3⟧ ⟦t⟧ ⟦nt⟧   Set Interval of Time Display

Display	Parameter	Remarks
⟦ ⟧ ⟦00⟧ ⟦S⟧	0 second	Default
⟦ ⟧ ⟦- -⟧ ⟦S⟧	1 - 60 seconds	
⟦ ⟧ ⟦60⟧ ⟦ ⟧	60 seconds	
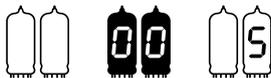
Menu 4   4d.nt   Set Interval of Date Display

Display	Parameter	Remarks
00 **00** 0S	0 second	Default
00 **--** 0S	1 - 60 seconds	
00 **60** 00	60 seconds	

Menu 5   S.Ld.0   Set Leading Zero

Display	Parameter		Remarks
00 on 00	On E.g.:	08 30 00	Default
00 oFF	Off E.g:	8 30 00	

Menu 6   6.EF.F   Set Switching Effects of the Digits

Display	Parameter	Remarks
No ri 0-	Normal	
Cr Fd 0-	Crossfade	
FA dE 0-	Fade in fade out	
Ur it 0-	Handwritten	
SL ot 0-	Slot	
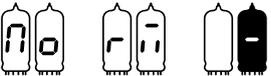
Display	Parameter	Remarks
SC An 0-	Scan	
Cr Fd 0-	Jump	
FA dE 0-	Wiper	
ur it 0-	Blink	Default

Menu 7 7 SP d Set Switching Speed of the Digits

Display	Parameter	Remarks
SP d- 0-	Level 0(Fastest) to 9 (Slowest)	Default 1

Menu 8 8 do t Set Switching Effects of the Colon

Display	Parameter	Remarks
on	Always on	
oF F	Always off	
FL IS H	Blink	
Cr oF d	Fade in fade out	
J Un P	Jump	
S CA n	Flash	Default

Menu 9   Set Alarm Sound Tone
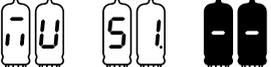
Display	Parameter	Remarks
	No.01 to No.12	Default No.01

Menu 10   Set Alarm Volume

Display	Parameter	Remarks
	Level 1(Min) to 8 (Max)	Default 7

Menu 11   Set Talking Clock Language

Display	Parameter	Remarks
	Chinese Mandarin	
	English	Default
	Japanese	
	German	

Menu 12   Set Interval of Talking Clock

Display	Parameter	Remarks
	0,1,2,3,5,10,15,20,30,60 Minutes	Default 60 Minutes
	Talking clock disabled	

Menu 13 ⌷⌷ ⌷⌷ ⌷⌷ Set Backlight Effects

Display	Parameter	Remarks
⌷⌷ on ⌷⌷	Always on	Default
⌷⌷ oF F⌷	Backlight disabled	
Cr oF d⌷	Fade in-out	

Menu 14 ⌷⌷ ⌷⌷ ⌷⌷ Set Backlight Color

Display	Parameter	Remarks
nu it i⌷	Change color together	
rE d⌷ ⌷⌷	Red	
Or An GE	Orange	
Gr EE n⌷	Green	
Pu rP LE	Purple	
bL uE ⌷⌷	Blue	
Cy An ⌷⌷	Cyan	
uH it E⌷	White	
tr An 5i	Change color each L->R	Default

`tr`	`An`	`S.2`	Change color each R->L
`tr`	`An`	`S.3`	Change color all L->R
`tr`	`An`	`S.4`	Change color all R->L
`tr`	`An`	`S.5`	Change color all Out->In
`tr`	`An`	`S.6`	Change color all In->Out
`rA`	`in`	`bu`	Rainbow days.

Menu 15 `IS` `I` `P` Check IP Address
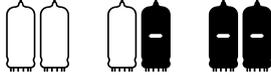
Display	Parameter	Remarks
	Display IP Address	

Menu 16 `I6` `u` `Er` Display Firmware Version
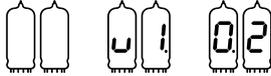
Display	Parameter	Remarks
`u1 0.2`	E.g: v1.0.2	

Cleaning

- Please power off and disconnect USB cable before cleaning.
- Do not use any cleaning agent or wet wiper.
- We suggest use soft cloth or brush to avoid scratching the housing finish.

Special Remarks

- The VFD tubes were produced between 1980s to 1990s, and there may be some differences between tubes and manufacturing lots. This is normal, and will not have any effect on the tube operation.
- The clock will become warm during operation due to the internal driven circuitry. This is normal operation and no cause for concern.
- The clock uses a Type-C power interface, which is theoretically compatible with all Type-C power supply. However, to ensure safety, it is recommended to use the power adapter and cable provided with the clock.

OMNIXIE®
The Light Never Fades

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