

Automatic Pill Dispenser

User Manual

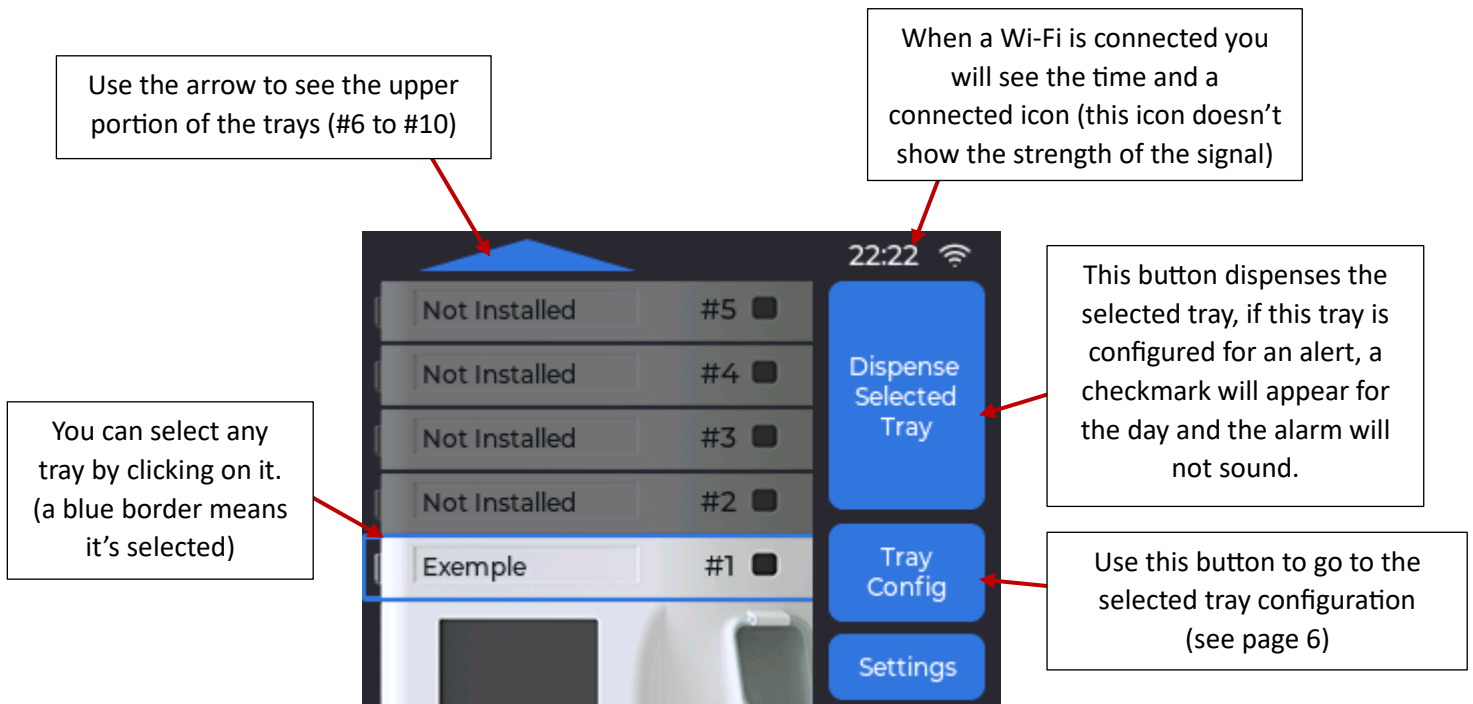
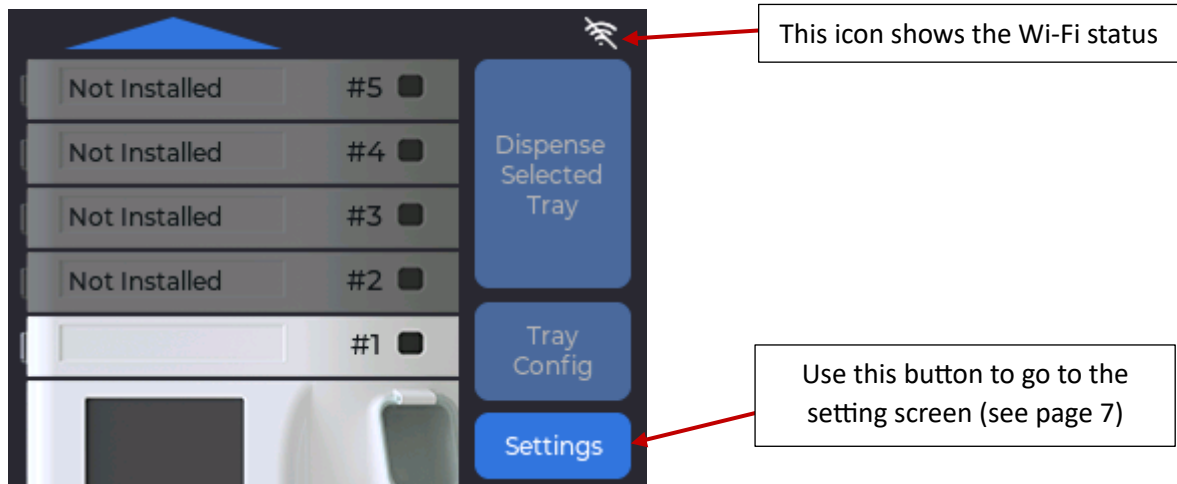


for software version 1.1

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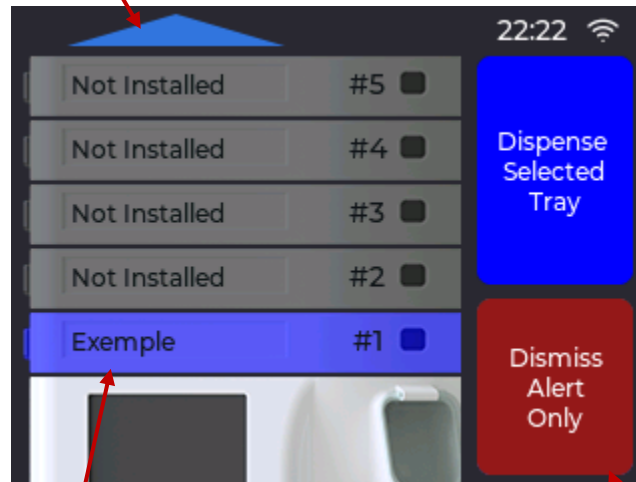
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Main screen



Main screen (alerts)

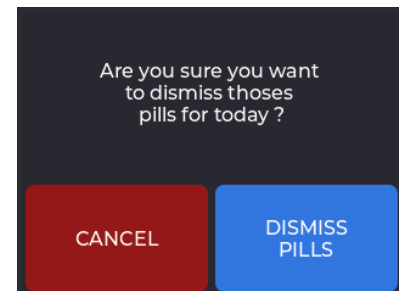
If an alert appends on multiple trays and some are on the upper level, this arrow will blink.



This will dispense all the trays of the same color currently in alerts. The color of the button indicates the trays that will be dispensed.

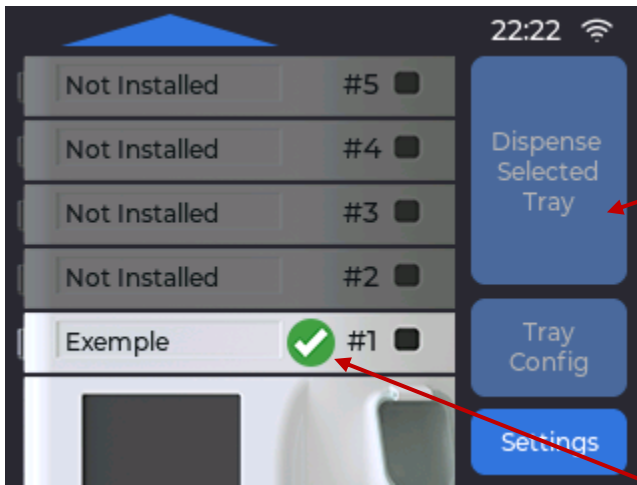
One or more tray can have an alert at the same time, the tray will blink the color selected in the configuration page.

You can dismiss an alert without dispensing the pills

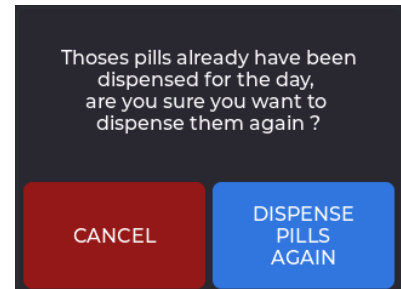


When you have dispensed any trays, this screen will be displayed for 2 minutes, you can dismiss it by clicking anywhere on it.

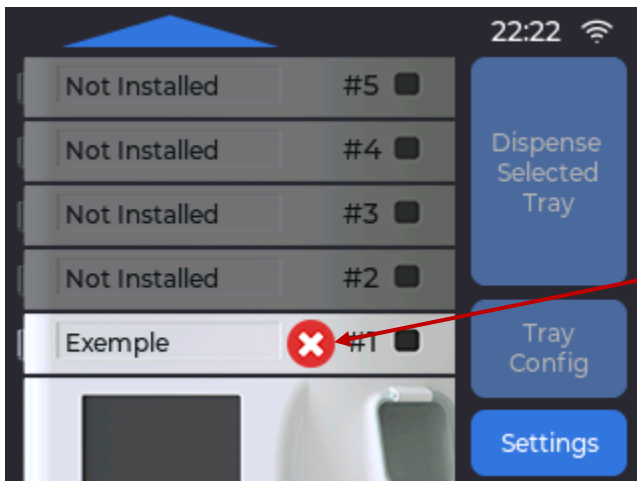
Main screen (checkmarks)



If you try to dispense them again this message will be shown.



This indicate that your pills have been dispensed for the day. This will reset at the time defined in the settings (see page 7)



This indicate that your pills have been dismissed for the day. If you dispense later the green checkmark will appear instead.

This will reset at the time defined in the settings (see page 7)

Tray configuration screen

This message appears if your current tray is not installed. (see page 7)

But you can still configure the tray, all parameters will be saved

Button to cancel and return to the main screen

Short description for the tray (Maximum 15 characters)

Set time for the alert of this tray

Choose a color per user, this will be used if multiple trays are triggered at the same time. And display a color on the tray and for the LED.

Button to save all the parameters (this will return to the main screen)

This will enable the alarm everyday at the defined time and will use the checkmark system.

If you want to use this tray for occasional pills (manual dispense only for example Tylenols) do not check this.

This function is to move the tray position, select the current position shown on your tray to move it at 30 (first position in the month).

When your tray is empty (E), you need to do this before you refill it.



This button clears all the parameters for this tray only

Settings screen

The diagram illustrates the 'Settings screen' of an automatic pill dispenser. It features a central screenshot of the settings interface with various callouts explaining the functions of different elements.

Callouts and their descriptions:

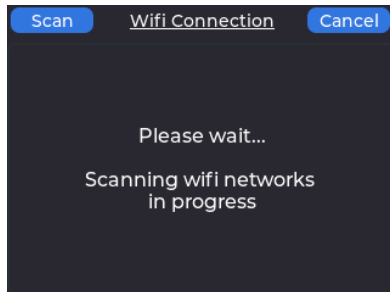
- Wifi Network:** Button to go to the Wi-Fi configuration screen (see page 4).
- Save & Restart:** Button to save all the settings (this will restart the device).
- Wifi Clear:** Button to clear the Wi-Fi settings (SSID and password).
- Cancel:** Button to cancel and return to the main screen.
- Trays installed:** A dropdown menu showing '1'. Callout: How many physical trays have you installed on the base.
- Mute sounds:** A checkbox. Callout: Option to mute sounds (also sounds won't work if there's no SD card or MP3 in the module).
- Volume:** A slider control. Callout: Volume slider for the alerts.
- Test:** A button next to the volume slider. Callout: Test button for the volume. (need a SD Card with MP3's).
- DST:** A checkbox. Callout: Check this if your country use "Day saving time".
- Time/Date as Screensaver:** A checkbox. Callout: Check this to have the time and date as screensaver (2 min timeout). If it's unchecked or Wi-Fi is not connected the screen will be black (turned off).
- UTC Offset:** A slider control. Callout: Set the slider to the position of your time zone offset.
- Start of the Day:** Two dropdown menus showing '00'. Callout: Set the time of the day you want the status of the trays to reset. (the check marks if your pills have been taken).

Additional Screenshots:

- A screenshot of the screensaver display showing the time **15:36** and the date **2024-03-06**.
- A second screenshot of the settings screen showing the 'Start of the Day' dropdowns set to '00'.

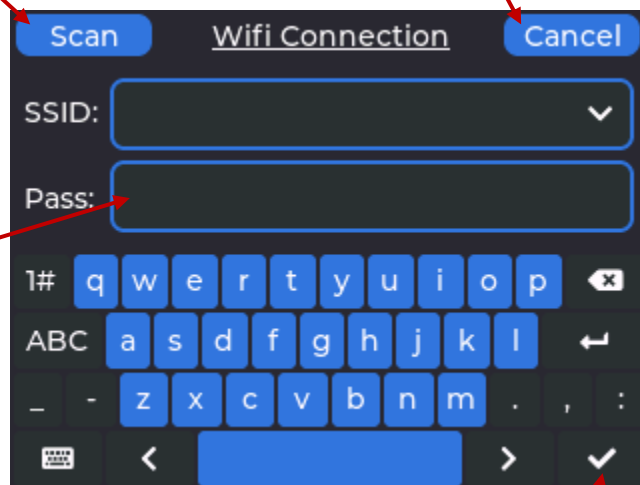
Wi-Fi screen

Use this button to scan for Wi-Fi SSID
(only 2.4ghz Wi-Fi is supported)



This button will return you to
the setting screen (see page 3)

Enter your Wi-Fi password here



Use the checkmark to try to
connect to the Wi-Fi.



Use this button to return to the
setting screen.

When connected successfully
to the Wi-Fi, you can note your
IP address if you want to use
the web portal (see page 10)

Web interface



Enter the address of the device in a Web explorer (ex. Chrome or Edge)

This address is shown when the Wi-Fi has been configured or at each startup.

Short description for the tray
(Maximum 15 characters)

Set time for the alert
of this tray

Choose a color per
user, this will be used
if multiple trays are
triggered at the same
time. And display a
color on the tray and
for the LED.

Pill Dispenser Configuration Portal

- Trays Settings -

Tray number	Description	Auto. Alert	Time	User Color
#1	Exemple	<input checked="" type="checkbox"/>	21:00	Blue
#2		<input type="checkbox"/>	00:00	Red
#3		<input type="checkbox"/>	00:00	Red
#4		<input type="checkbox"/>	00:00	Red
#5		<input type="checkbox"/>	00:00	Red

This will enable the alarm
everyday at the defined time
and will use the checkmark
system.

If you want to use this tray
for occasional pills (manual
dispense only for example
Tylenols) do not check this.

#10 00:00 Red

#10 00:00 Red

(minutes will be converted to 5 mins intervals)

- System Settings -

Trays installed: 1

Start of the Day (Reset trays): 00:00

Clock Screensaver: ☒

Speaker Volume: 24

Mute Sounds: ☐

Enable DST: ☐

UTC Offset: 0

[Save changes](#)

(Save changes will reboot the device.)

[Factory reset](#)

(After a factory reset you will need to re-enter your wifi configurations directly on the device.)

- Informations -

IP address: 192.168.0.100

Current AP:

Signal Level: -32 dbm

OTA Update: [Update Page](#)

How many physical trays have you installed on the base.

Check this to have the time and date as screensaver (2 min timeout). If it's unchecked the screen will be black (turned off)

Volume level (1-30) for the alerts

Option to mute sounds (also sounds won't work if there's no SD card or MP3 in the module)

Check this if your country use "Day saving time"

Set to your time zone offset.

Any parameter changed on this page need to be saved. (The device will reboot)

This will reset ALL settings including Wi-Fi SSID and password.

You can update your device with this link. (See page 11)

Web interface (update)



☒ Firmware ☐ Filesystem

Choose File No file chosen

F0182EC8 - ESP32

Use the bin files from my github

<https://github.com/Shaztech/Pilldispenser/releases>

▼ Assets 4

PillDispenser.esp32.v1_0.bin

PillDispenser.spiffs.v1_0.bin

The “esp32” bin file is the Firmware,
the “spiffs” bin file is the Filesystem

Do not mix theses two.