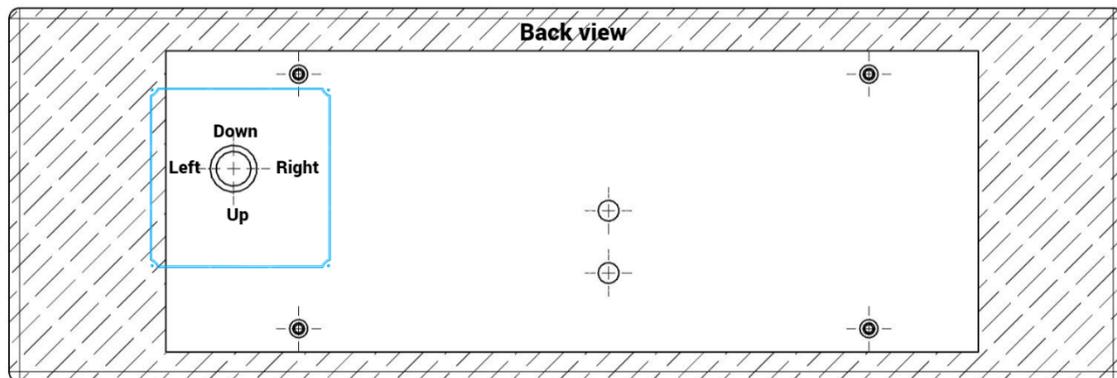# Unit Specifications

- CPU: Quad-core ARM Cortex-A53 @1.4GHz
- GPU: Imagination PowerVR GE8300
- Memory: LPDDR4 1GB
- Storage: 8GB eMMC
- Display: 7.8inch 1280x400 IPS LCD
- WiFi: 802.11 a/b/g/n/ac, 2.4GHz and 5Ghz
- Input: 5keys D-pad and restart button
- Connectivity: USB-A 2.0 (For USB Mouse/Keyboard)
- Power Supply: USB Type C input (5V, 2A) (Included)
- LAN (Optional): 10/100Mbps via USB
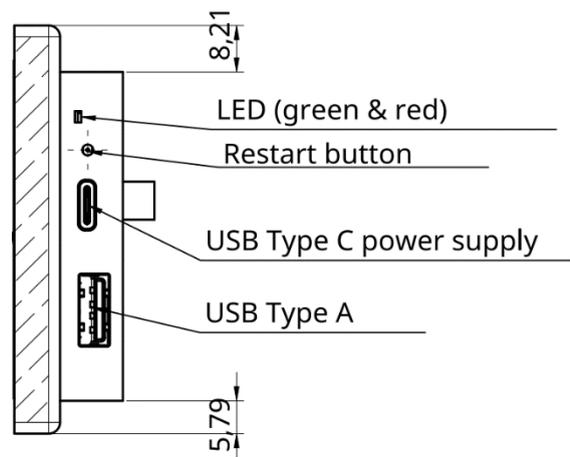- Size: 214x72x19.1(mm) , excluding extrusion and stand

Package contents

- GOverlay plus 7.8inch unit x1
- Power supply with USB C cable (5V 3A) EU /US/ UK/ AU
- D-pad cap x2
- Unit Stand with screw x1

Unit Illustration:

1. D-pad direction:

Back view

Down
Left — Right
Up

2. Connectivity panel

8.21

LED (green & red)

Restart button

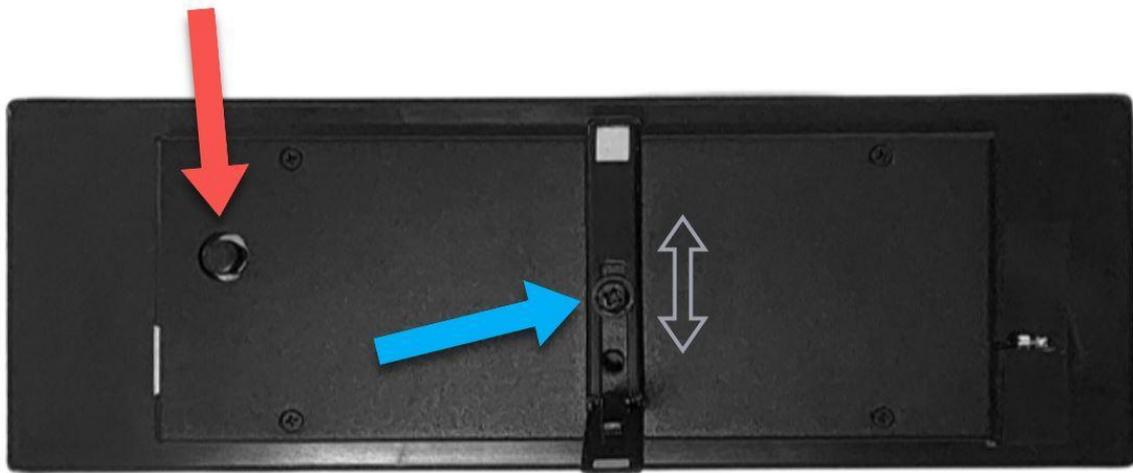USB Type C power supply

USB Type A

5.79

3. LED Representation:

Red – Power supplied to the unit and in operation
Green (During bootup) – Flashing and remains on
Green (During operation) – Flash once every 2 seconds

Installation and setup:

1. Gently push the cap to the Dpad until it is locked. Do not over-push the cap. (Red Arrow)

2. Lock the stand to the unit using the included screw to the first screw hole (Blue Arrow). Slide the stand up or down to adjust the tilt angle of the unit (Grey Arrow). Leave the lower screw hole empty.

3. Turn on the unit by plugging the Type C power supply.

4. LCD will show loading status and will load the GOverlay application within 1 minute.

5. Setting up WiFi

    a.   Using the D-pad or USB mouse/keyboard, navigate to the "Settings" button,

❌ Checking WiFi connectivity... 32/3

Check your wifi connection or connect to another network

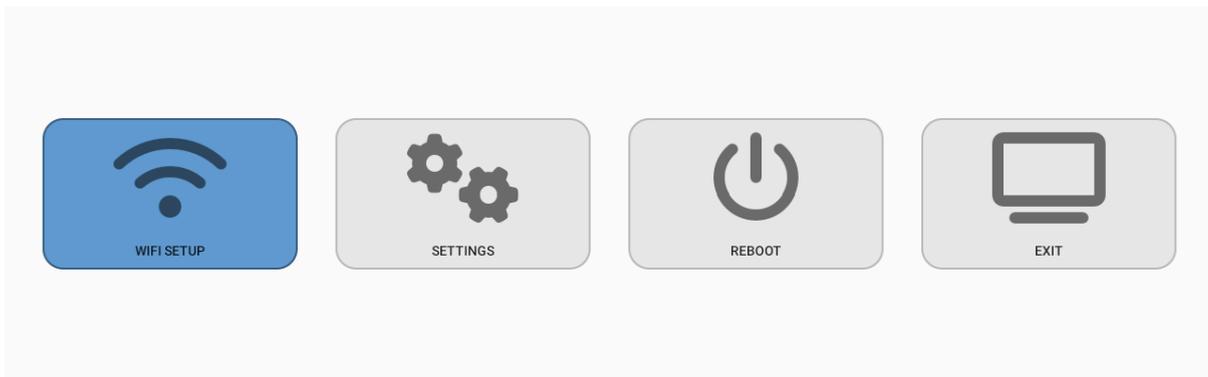❓ Checking Internet connectivity....

❓ Checking GOverlay connectivity....

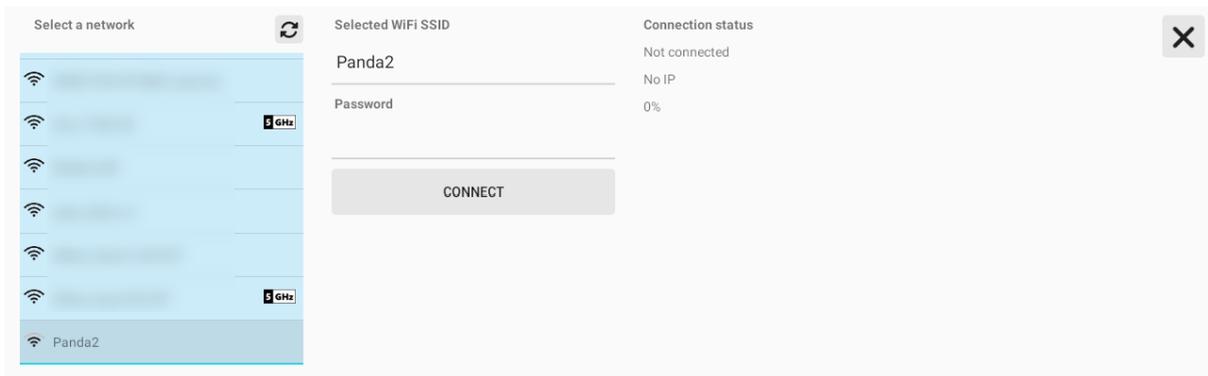❓ Checking Device configuration....

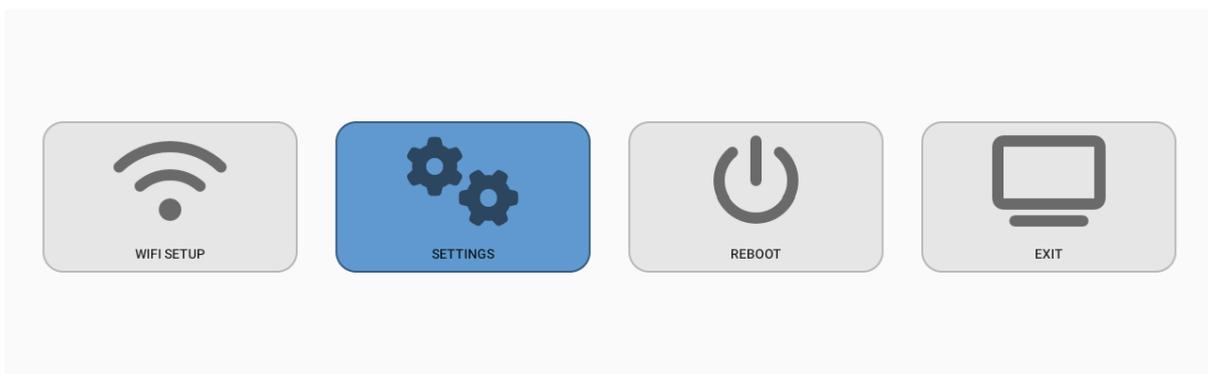| SETTINGS | RELOAD |

b.   Choose WiFi Setup

c.   Select your WiFi network and enter your password and press Connect
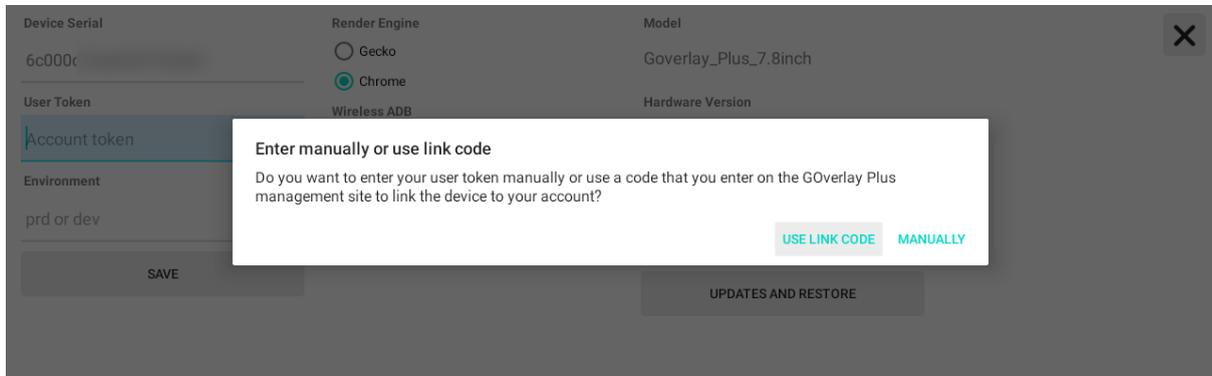

d.   After successful connection, it will show the IP and signal in the "Connection status"

6. Setting up GOverlay account token

a.   Press settings in the menu

b. Your device serial number will be automatically populated and you can use it to identify your unit. Press User Token and then "Use Link Code"
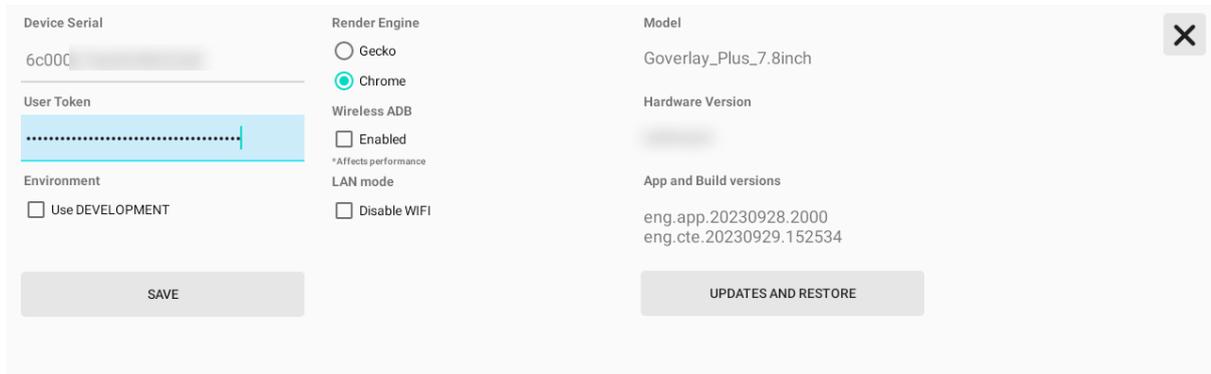

c. Login to your GOverlay web application, you should see your device in the Displays panel. Click the settings icon and then "Link device". Enter the link code shown in your unit.
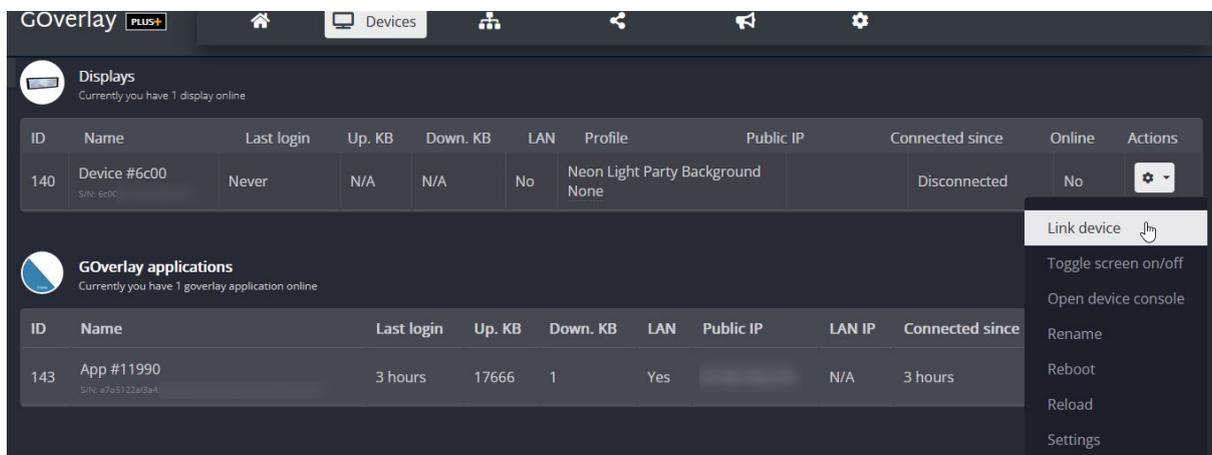
d. Press "Validate" on your unit.
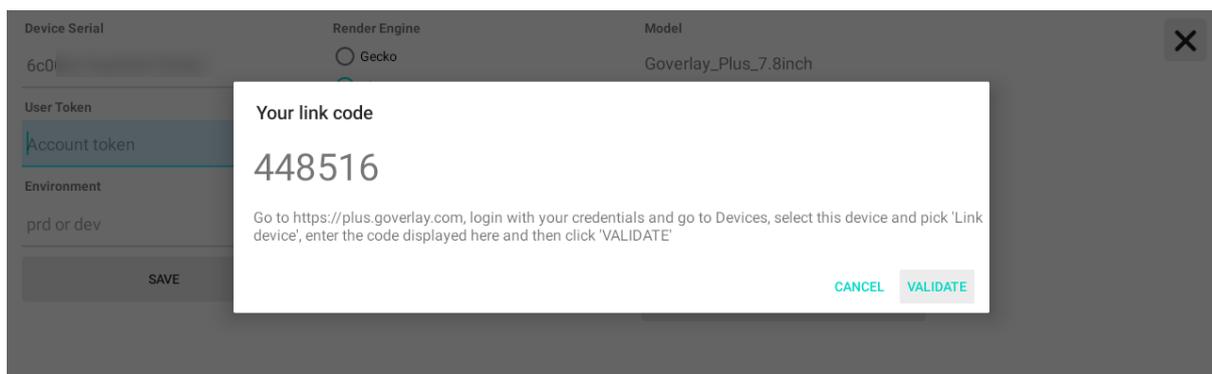
e. After a successful link, the User Token will be added automatically and the default profile will begin to load.

f. You can now start editing your profile in the GOverlay Webapp

g. Additionally, its recommended to install the GOverlayPlus Desktop APP to be able to select your computer sensors in the GOverlay WebApp

Upgrading the system OS firmware

1. In the system settings menu, click "Updates and Restore"
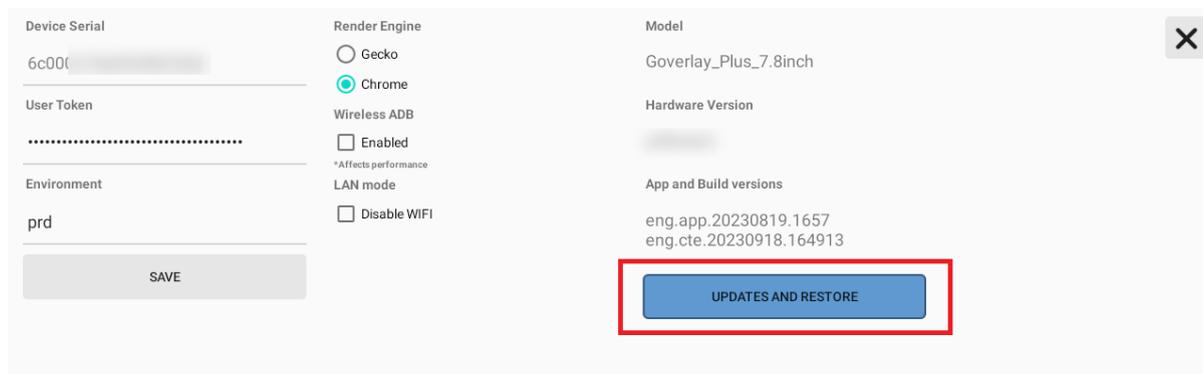
2. The system will check for updates from GOverlayPlus server, if updates are available, the new version will be displayed. Click on the "Update OS" button
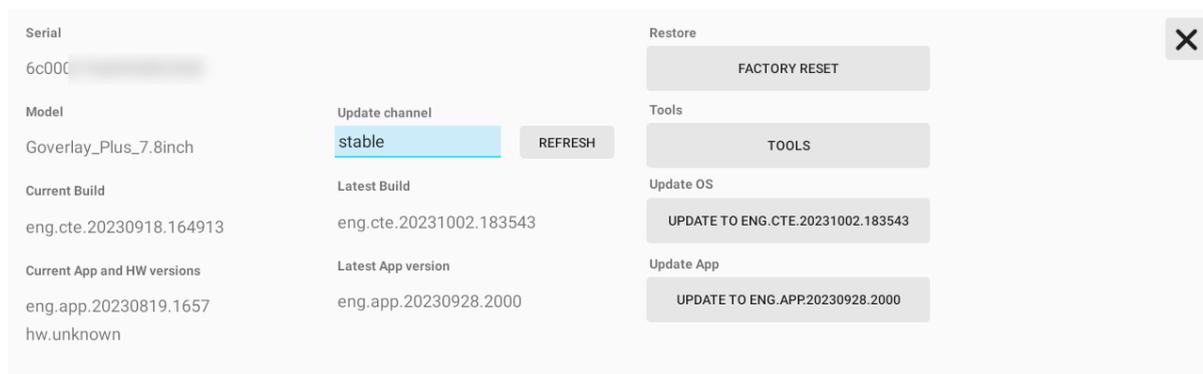
3. The system will download the firmware. The firmware is around 500Mb. After the download is complete, click on the button "Download Succeeded, Install"
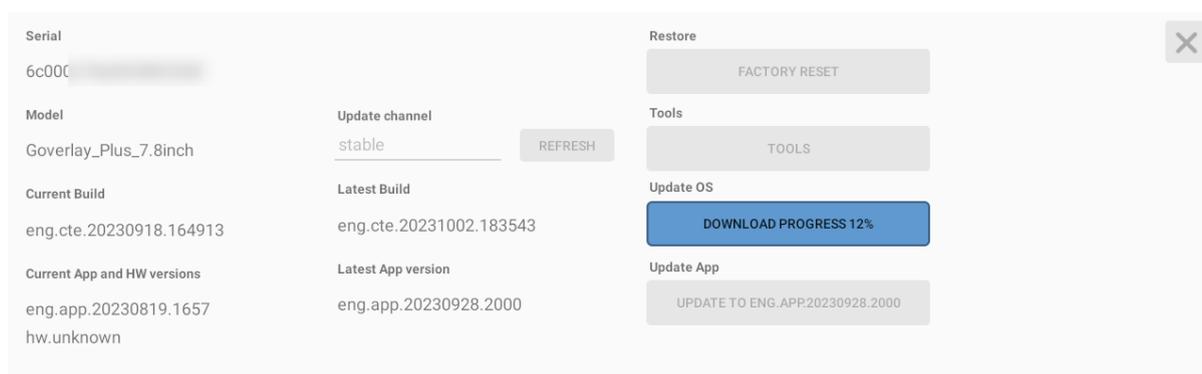
4. After the firmware is copied, the system will restart and will show "installing system update". The update will take a few minutes. <u>DO NOT turn off the unit at this point</u>.

5. The unit will restart after the update is successful. All settings (including WiFi and account tokens) will be retained.

FAQ

Does the device need internet connection

Yes. As the template editing webapp is cloud-based, the unit does not need to connect to the PC to work. Instead, it need internet connection to fetch the templates and sensors value.

The D-pad keys are not responsive or behave erratically

The cap is overpushed. Using a tool to remove the cap and insert in gently again. If possible, replace with another cap.

The unit is stuck at the loading screen

Sometimes filesystem checking and fixing may increase the bootup time. In this case, the green LED will remains on. Be patient and wait for at least 5 minutes. If it still can't bootup to GOverlay application, press the restart button using a needle or power cycle the unit.

How to enter recovery mode

Press the right key on the D-pad while inserting the power cable. Release the key until the unit enter recovery mode. You can factory reset the unit or reflash the unit using a USB drive containing the firmware image

Will any USB to LAN adapter work?

No. Different chipsets may require different drivers which are not implemented in the unit. Using the adapter from our store is highly recommended. They are tested to be 100% compatible.

Can I use my own power supply/cable?

Yes. Please use a power supply of 5V 2A (3A Recommended) and a good quality USB type C cable. The unit will draw normally around 1A during operation with max brightness, and may peak up to 1.5A during bootup. The unit may restart or freeze if power supply is not compatible.

Which power supply can I use if the unit is mounted inside the computer case?

You can use the SATA (5V) to type C cable which is available in our store. Using the motherboard header 5pin to type C cable is not recommended as it may not provide enough current and voltage for the unit operation. Moreover, it will occupy the USB port as well. The unit does not need USB connection to work.

Why the unit suddenly turn black but the LED is status is normal?

Most likely the device screen has been turn off. Make sure you check your settings in the GOverlay webAPP "Display Power on/off". You can change it to "Do not sync with GOverlay app". Or you can turn back the screen on manually in the WebApp (Device>Actions>Toogle Screen on/off)