



global
os

USER MANUAL

1.0.1

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TABLE OF CONTENTS

Table of Contents	3
In The Box	4
Hardware	4
Operation.....	5
System Design	5
Home Screen	6
Device Manager	7
OS Settings	8

GlobalOS is an an operating system built to host an ecosystem of applications designed for the operation of hardware systems and devices built and designed by Global FIA.

IN THE BOX



-  Touch Screen Interface
-  Power Cable
-  Touch Screen Stylus
-  In-Line Power Switch
-  USB-A to USB-B Cable

HARDWARE



USB-C Power In



4x USB-A In

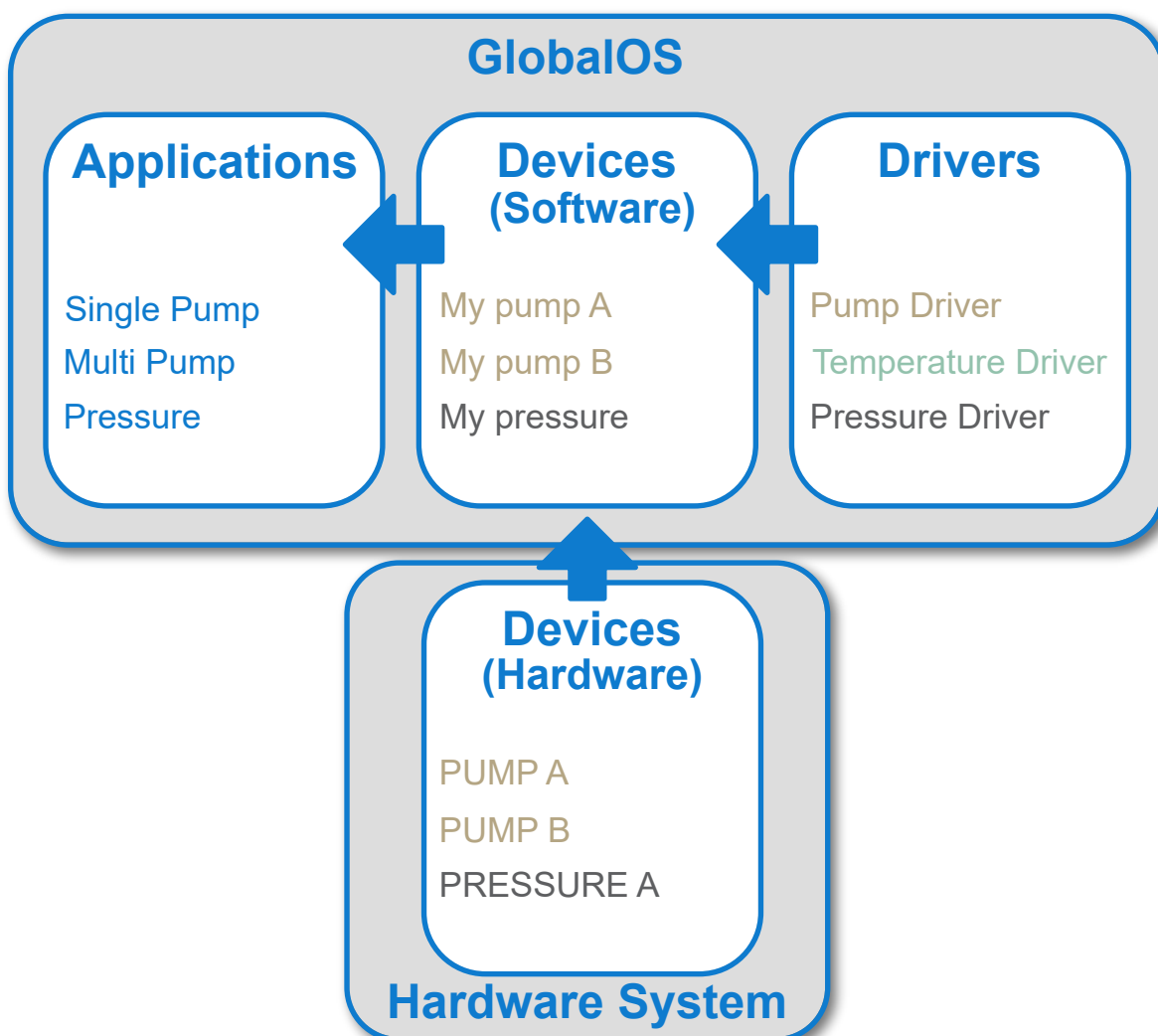
OPERATION

System Design

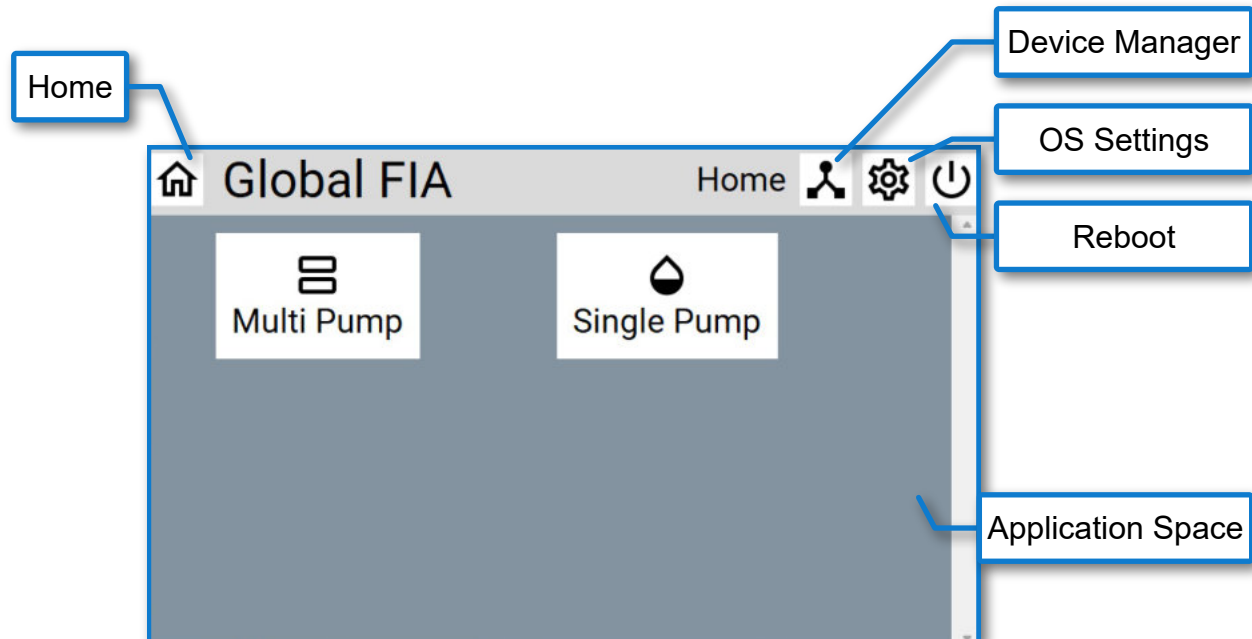
GlobalOS operates as a host for both *Applications* and the associated *Drivers* required for the physical *Device* Integration. An *Application* communicates with the physical device through the software *Driver*.

These *Drivers* are visible on the *Device Manager* Page. There, a *Driver* may be instantiated into a software *Device* representative of the physical *Device*.

Once instantiated, the software *Device* may be accessible through the specific methodology required by the specific use case of the *Application*.



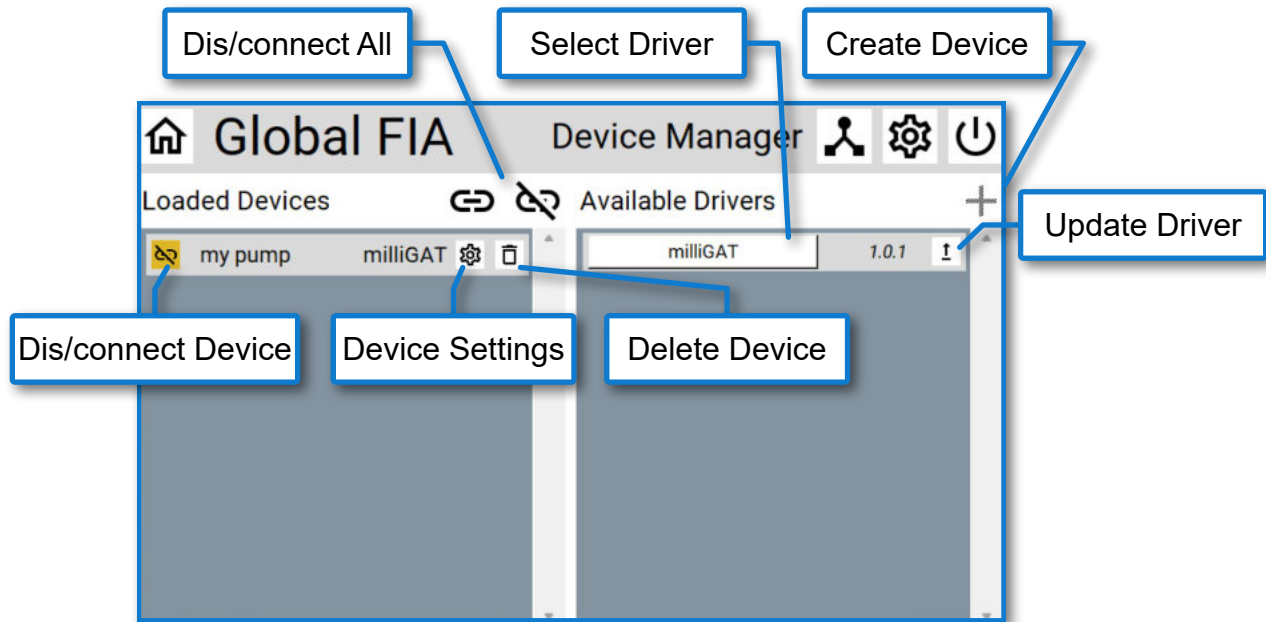
Home Screen



The Home Screen displays all installed applications. Each application may be launched from here.

The Navigation bar remains at the top of the screen for all windows and applications opened, providing a simple way to access the Home Screen, the Device Manager Page, or the OS Settings Page.

Device Manager



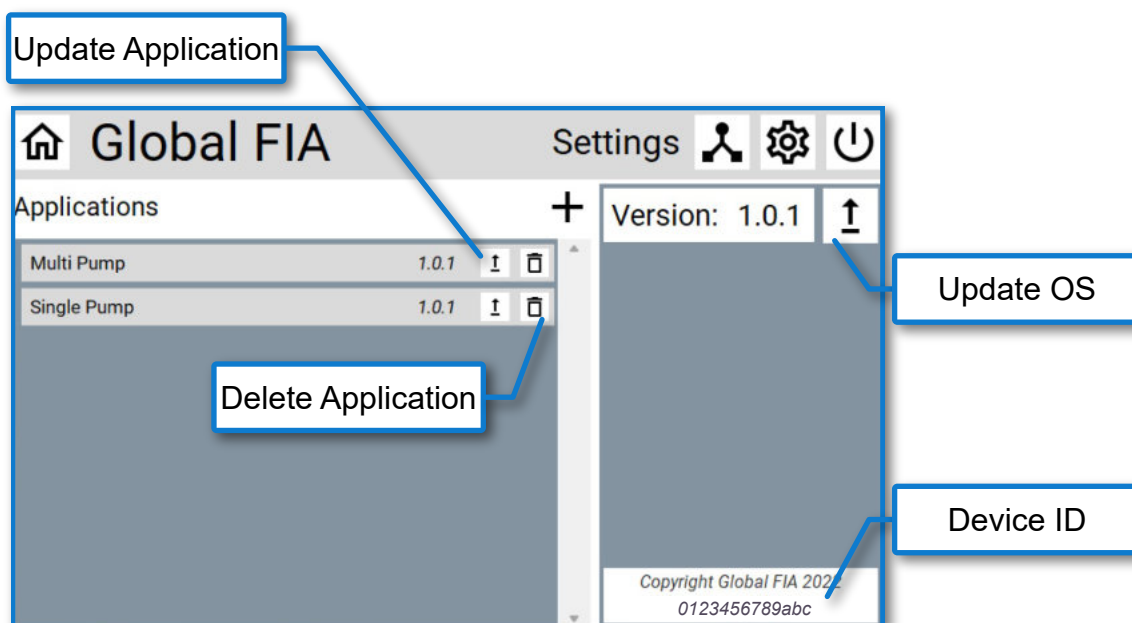
The Device Manager Page displays all installed *Drivers* and instantiated *Devices*. Each *Driver* contains the necessary commands to control and observe a specific hardware *Device*. When connected to a Hardware System, the OS requires the user to create software *Devices* based off of the specific hardware specifications of the connected Hardware System.

This may be done as follows:

1. Select the Hardware *Device*'s corresponding *Driver*.
2. Press the *Create Device* Button.
3. Enter the *Device*-Specific parameters in the pop up window.
4. Test the *Device* Connection with the Yellow Button
5. Add the *Device* to the OS with the Green Button.

The parameters for each Software *Device* may be accessed at a later time through the *Settings* Button. The Software *Device* may also be deleted on this page.

OS Settings



The OS Settings Page holds the settings pertaining to the general Operating System. The *OS* and *Applications* may be updated from here.

Additionally, the Device ID is displayed in the bottom right of the screen. This ID is useful to provide to Global FIA while troubleshooting.

To update either the *OS* or *Application*:

1. Contact Global FIA and secure the correct update file.
2. Place the file on a removable USB hard drive and insert it into the touch panel.
3. Select the specific update button.
4. Locate the file and press the *Go* button.

WARNING: If an *Application* is deleted here, the user will have to contact Global FIA to re-install it.