

## SET UP INSTRUCTIONS for IoT BOX



### 1. INTRODUCTION

The IoT Box is the smart device using our proprietary cloud-base App developed by **FREE Drum Filter**, can be downloaded from the **Apple Store** or the **Google Play Store**, allows users to monitor, control the RDFs and receive notification on their smartphone (**iOS** or **Android**). Below are the list of features/Indicators:

FUNCTION	INDICATION	DESCRIPTION	INDICATION METHOD
Connection status	<span style="color: blue;">●</span> or <span style="color: red;">●</span>	Blue: Power on and connected to WIFI. Red: Disconnected from WIFI or Power outage.	Indicator and Push notification
Operation status	<span style="color: blue;">GOOD</span> / <span style="color: red;">FAIL</span>	Failure alert when the safety sensor is activated which indicates issues with filter system or water level that need to be checked immediately.	Indicator and Push notification
Water level status	<span style="color: blue;">GOOD</span> / <span style="color: orange;">WARNING</span>	Filter system continues running, but the water level should be inspected.	Indicator and Push notification
Rinse status	<span style="color: blue;">CLEANING</span> / <span style="color: blue;">STOP</span>	Indicates whether the machine is currently cleaning or stop.	Indicator only
Counter	<span style="color: blue;">1234</span>	Counting the total number of rinses from the last reset.	Indicator only
Reset Counter	Reset Button	Reset the counter to zero. Reset time will display.	Indicator and Control
Manual Rinse (*)	Push Button	Push and hold to start a cleaning cycle.	Control
Rinses Per Day	<span style="color: blue;">123</span>	Total number of rinses within the last 24 hours.	Shown in Log
Excessive rinse Alert	<span style="color: blue;">123</span>	Excessive cleaning alert when the total rinses exceed 300 times within last 24 hours.	Indicator and Push notification
Last rinse time	Time	Indicate the last rinse time.	Shown in Log
Logs panel	Time & Events	Record important events with real time.	Shown in Log Save for 7 days
Manage Multiple devices	"Pond A" "Pond B"	Monitor and control multiple RDFs using the same App.	Full functions for each device
Language	Interface	English or Vietnamese.	Optioned

(\*) Function only available on Control Box shipped beginning 2022. For older Control Box, contact dealers.

## 2. DOWNLOAD APPLICATION

**FREE Drum Filter** App is available on App Store and Google Play Store: In the Search field, search for the app name "FREE Drum Filter" or scan the QR Code or click the link below to download the Application.

App Store Link: <https://apps.apple.com/us/app/free-drum-filter/id1597472915>

Google Play Link: <https://play.google.com/store/apps/details?id=com.freedrumfilterandroid.iot>



## 3. REGISTRATION ACCOUNT

- Provide your dealer with your email address for account registration.
- An Activation email will be sent to you. Follow the instructions in the email to activate your account.
- Login the Application with your email address and password you have just created.

## 4. IoT BOX CONFIGURATION

- Plug the IoT BOX cable into the connector *label "IoT BOX"* on the Contro Box and push the Power button on the IoT BOX to turn it on. The green light will be lit.
- Go to your smartphone WIFI settings, you should see a WIFI named "**FREE Drum IoT**" in the WIFI list, select and connect to this "**FREE Drum IoT**" WIFI. *If the "FREE Drum IoT" is not found, reset IoT Box (\*\*).*
- Open the Application that you had just logged in, choose + (add device) at the top right corner.
- A WIFI setup window appears to allow you to connect your IoT box to your home network (Figure 1). Enter your home WIFI Name (SSID) and Password then click SAVE.
- After about 10 seconds processing (Figure 2) the device indicator will show "**Online**" (Figure 3).
- The default Name of device will be **FREE Drum IoT**. Wipe to the left on the name to display options to rename or to delete the device.

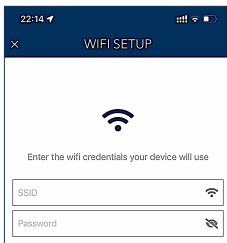


Figure 1

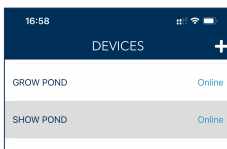


Figure 3

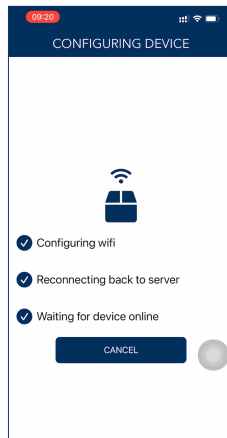
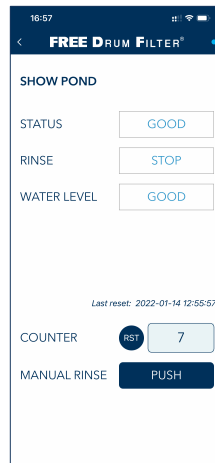


Figure 2



(\*\*) **Reset:** If you don't see the WIFI name "FREE Drum IoT", reset your IoT Box by push and hold the Reset button (a small hole on the right side of the IoT Box, using a small stick) for about 10 seconds.