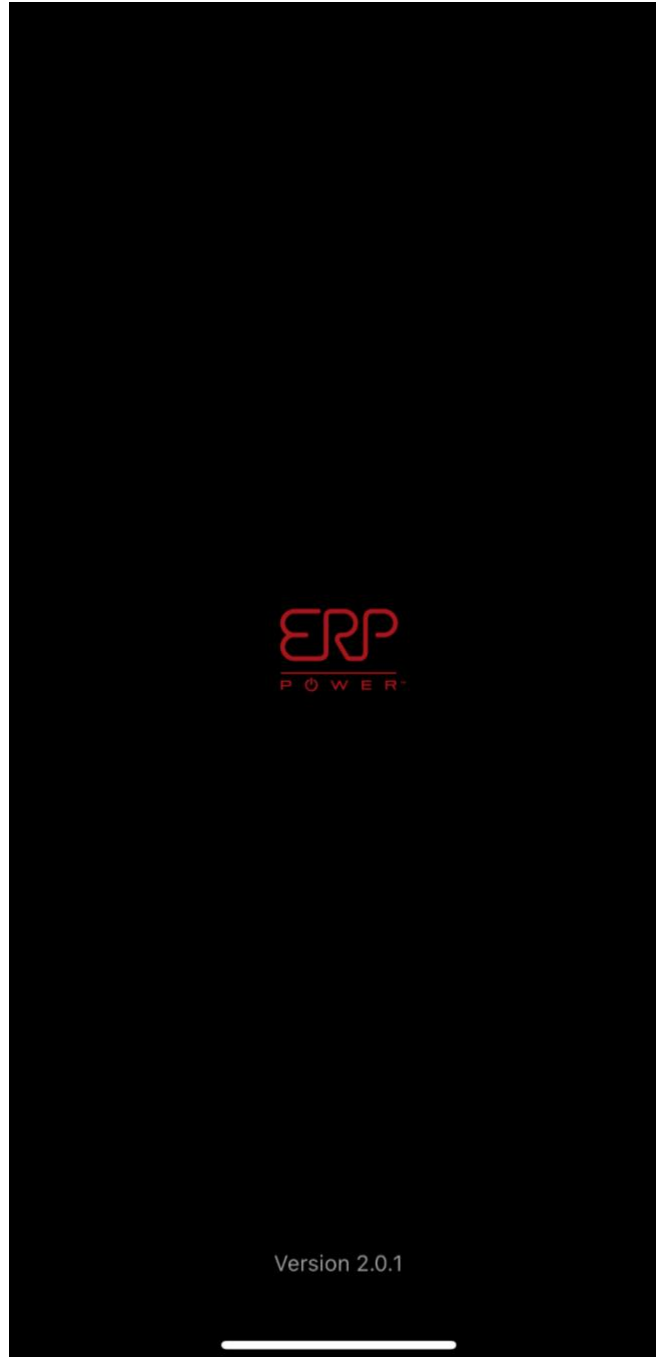




# Quick User Guide

Quick Startup Guide for the ERP Tunable White App on the Apple Device.





## TABLE OF CONTENTS

	Sect	Step	Details
Downloading and Setup	1.1	<a href="#">Downloading the ERP App</a>	
	1.2	<a href="#">Creating User Credentials</a>	
	1.3	<a href="#">Scanning for New TWM2 Units</a>	
	1.4	<a href="#">Renaming TWM2 Samples</a>	
	1.5	<a href="#">Creating New TWM2 Group</a>	
	1.6	<a href="#">Setup of TWM2 Group</a>	
Basic App Controls	2.1	<a href="#">Turning TWM2 Sample Off/ON</a>	With TWM2 Individual Sample or Group
	2.2	<a href="#">Access TWM Controls Page</a>	Both Individual and Group Page
	2.3	<a href="#">Layout of TWM2 Controls</a>	Basic Settings, CCT Settings, Warm Dim, Presets.
	2.4	<a href="#">Saving CCT and Current Settings</a>	Saving, Accessing.
	2.5	<a href="#">Locking TWM2 Units</a>	Locking and Unlocking
Finalizing Operation	3.1	<a href="#">Releasing TWM2 Units from App</a>	Two Methods of Relinquishing/Releasing a TWM2 from Bluetooth App Commissioning.
	3.2	<a href="#">Shutdown of Bluetooth App</a>	Closing ERP Tunable White App

### Recommendations for Bluetooth App Usage:

- **Current version of the App: V2.0.1 (As of 09/27/2023).**
- **At least IOS version 13.0 or newer (both iPad and iPhone).**
- **Based on BLE limit, only connect up to seven TWM2 samples at a time.**
- **Please delete the current version of the App before installing the new version of the App, otherwise you will encounter frequent crashing.**



# 1. Downloading and Setup

1.0 It is absolutely a must to delete the current/older version of the ERP Tunable White App from your device (iPhone/iPad) before installing the new version. Otherwise, you will encounter frequent crashing.

1.1 Download the ERP Tunable White app via either the device Apple Store or the link below:

<https://apps.apple.com/us/app/erp-tunable-white/id1630668223>

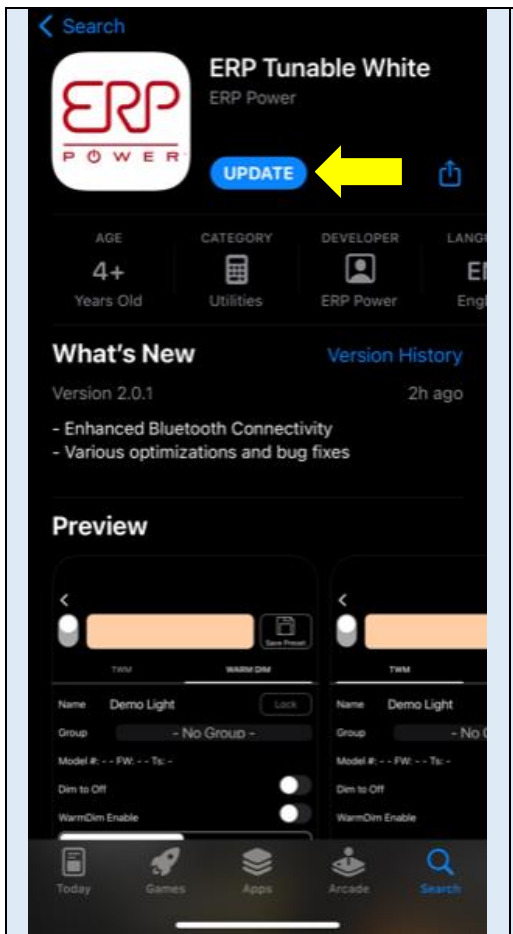


Figure 1: Downloading the ERP App Directly from the App Store.

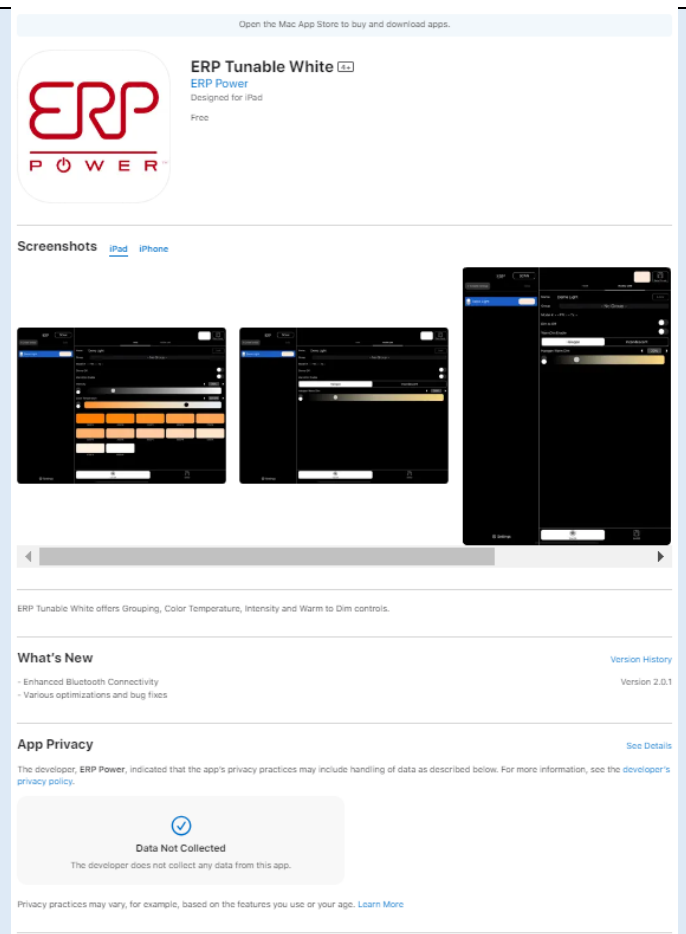


Figure 2: Downloading the ERP App from Online

**Note:** The customer must have at least IOS version 13.0 or newer to download the app. You can use either the iPad or the iPhone for the app.



## 1.2 Create Login Credentials and Verify to Log In.

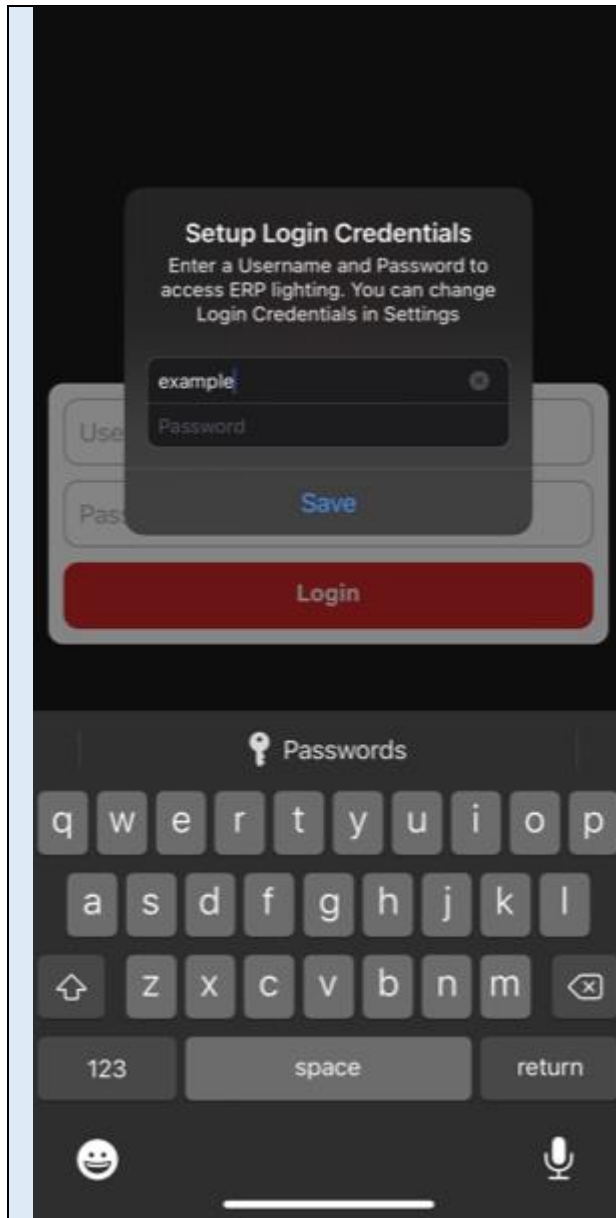


Figure 3: Entering New Username and Password.

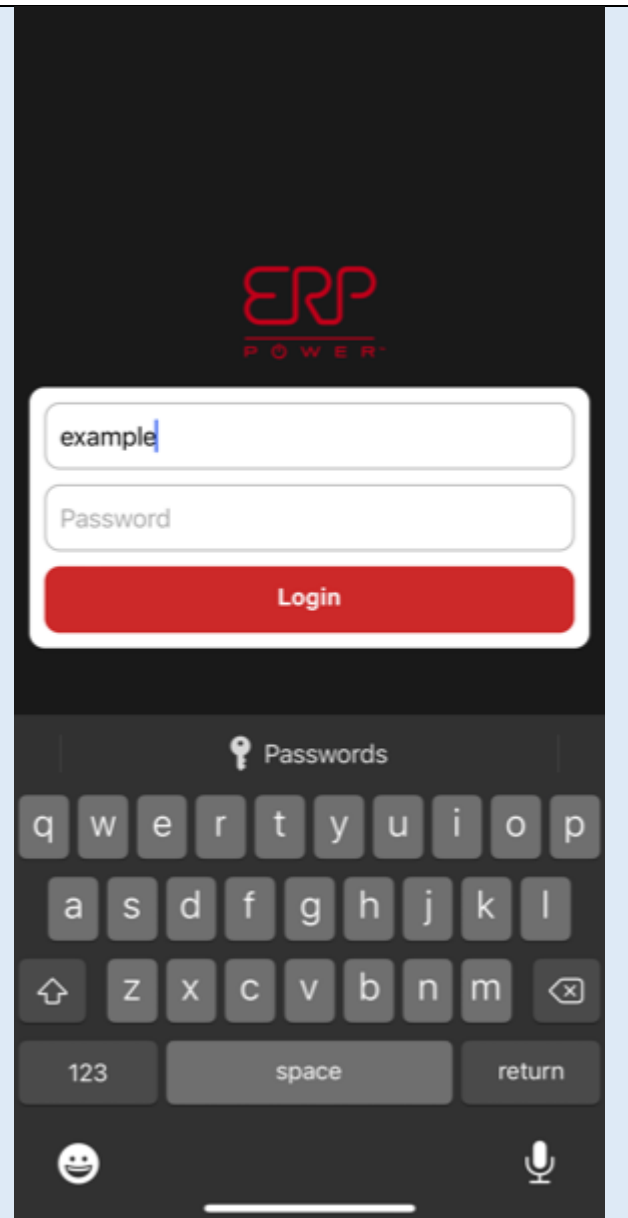


Figure 4: Re-entering User Credentials to Log in.

**Note:** Once these credentials are setup, user will not be asked again to enter this information unless the user intentionally logs out.



### 1.3 On Home Page, Select “Scan” to Find any New TWM2 Engine/s that is/are Powered Up.

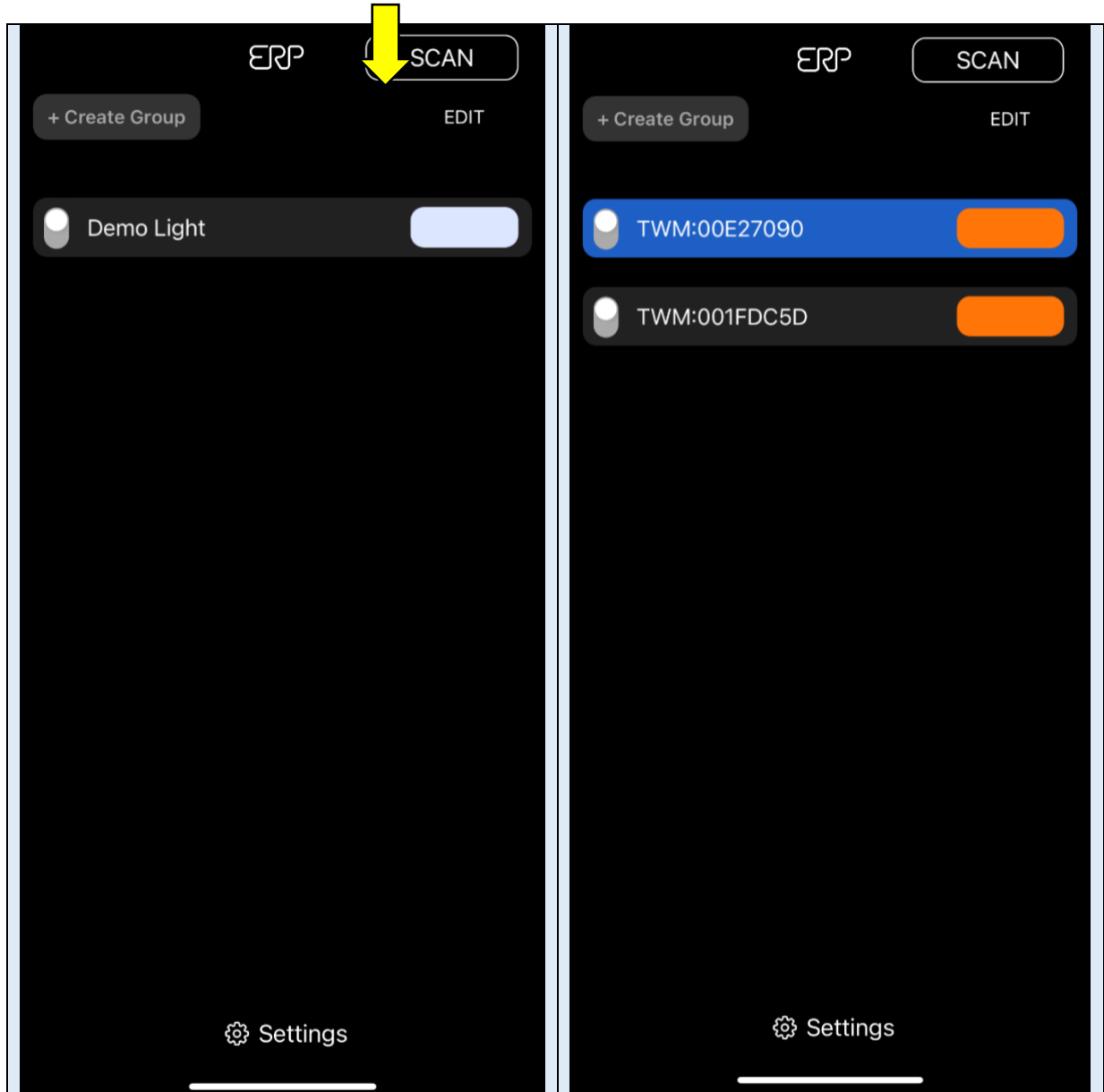


Figure 5: Home Page of ERP App, Demo Unit Only.

Figure 6: TWM2 Samples Appear After Scanning on Home Page

### 1.4 Select “Edit” On Home Page to Rename TWM2 Units.

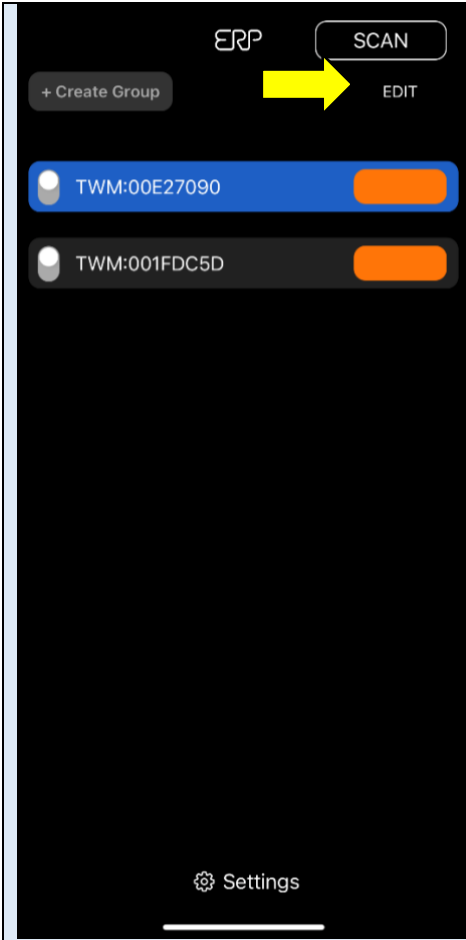


Figure 7: Selecting “Edit” on TWM2 Page to Renamed TWM2 Samples.

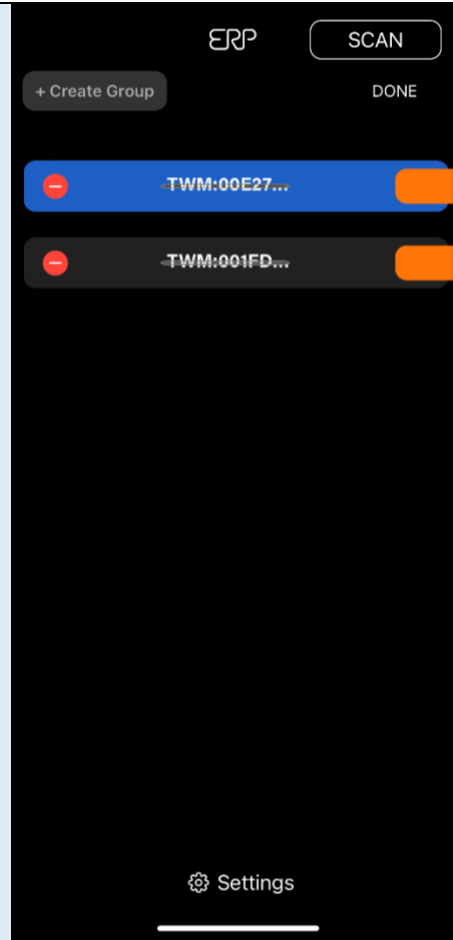


Figure 8: Naming New TWM2 Samples

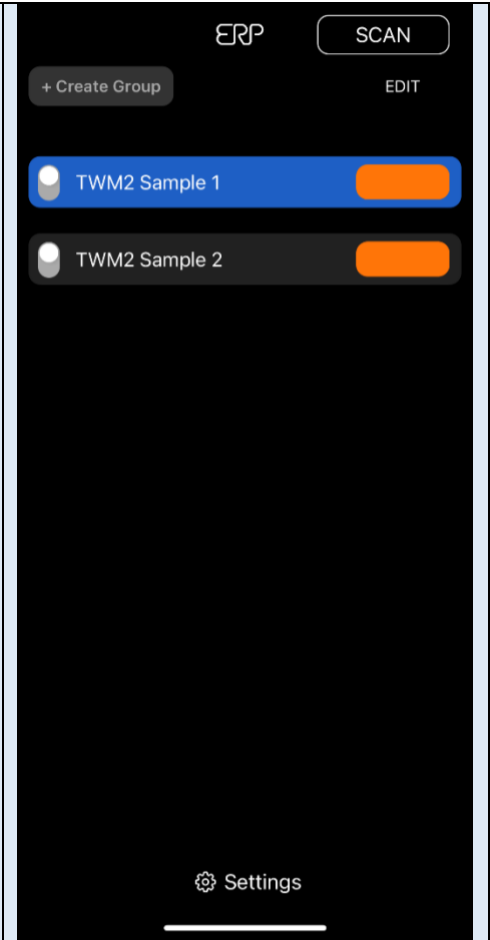


Figure 9: Renamed TWM2 Samples, Method #1.



**1.5 On Home Page, select “Create Group” to Create a New TWM2 Group, then Name and Verify.**

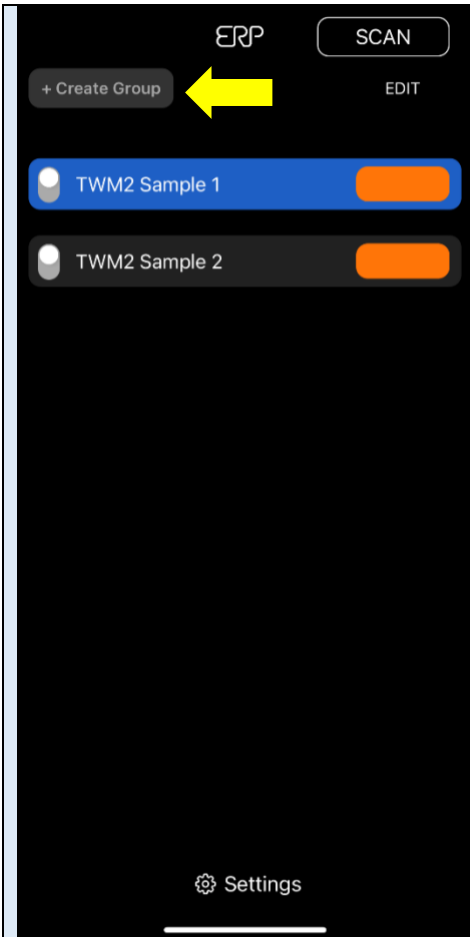


Figure 10: Home Page of ERP App, with TWM2 Samples

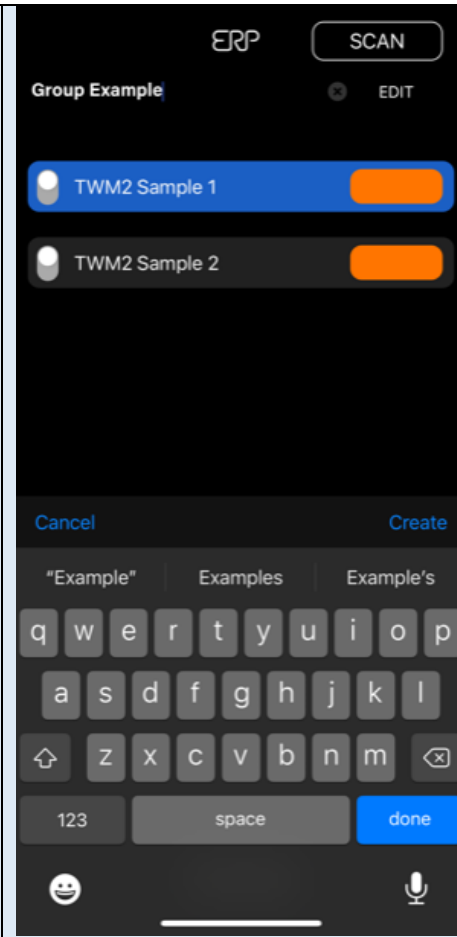


Figure 11: Naming New Group.

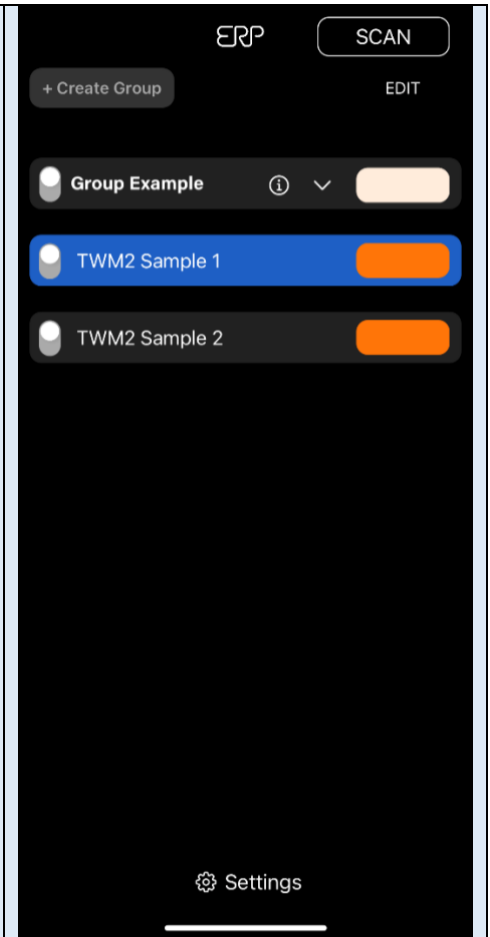


Figure 12: New Group Created on Home Page of ERP App.

### 1.6 On Home Page, Drag the TWM2 Samples Inside the New Group to Control the Configuration of the Lights in the Group at the Same Time.

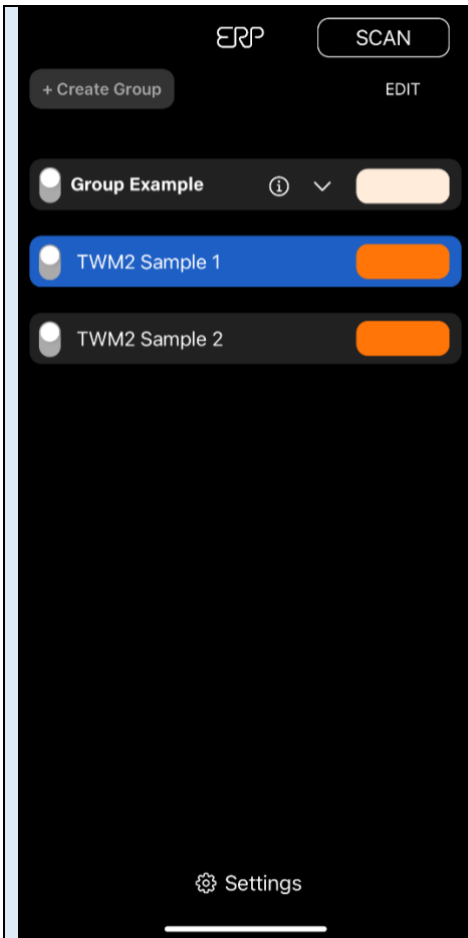


Figure 13: TWM2 Samples Outside of Group.

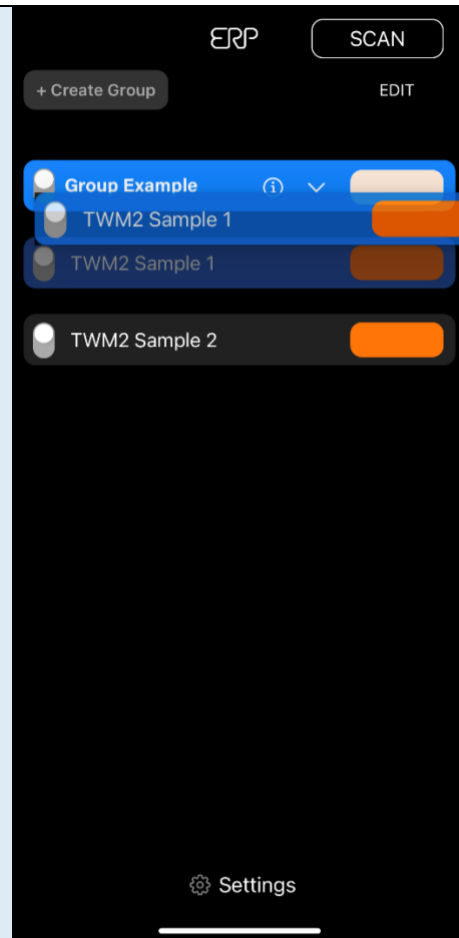


Figure 14: Dragging TWM2 Samples inside Group.

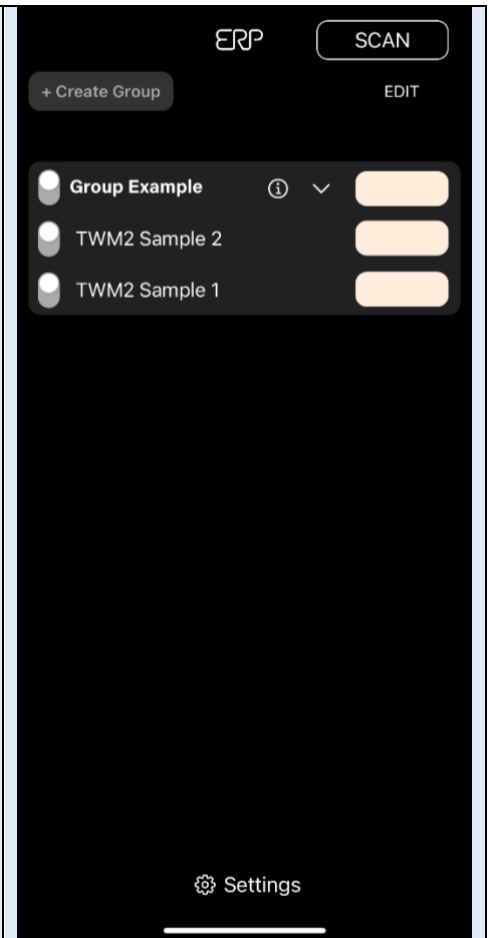


Figure 15: TWM2 Samples inside New Group.



## 2. Basic App Controls

### 2.1 Turn the TWM2 Sample or Group On/Off with the Toggle on the Left.

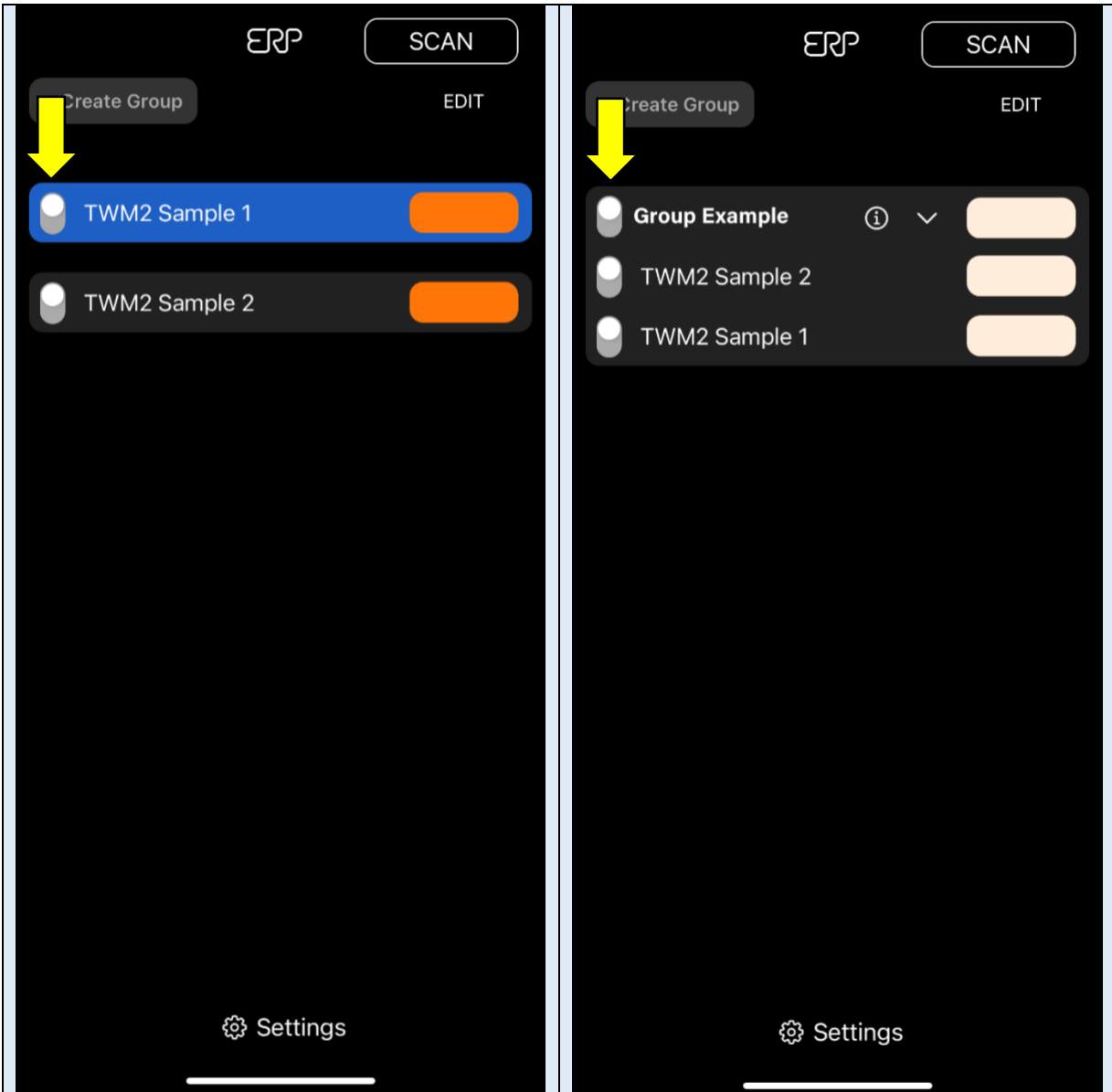


Figure 16: Toggle On/Off Switch, Ungrouped TWM2 Units.

Figure 17: Toggle On/Off Switch, Grouped TWM2 Units.

## 2.2 Select either the New Group or an Individual TWM2 Sample for Detailed Controls.

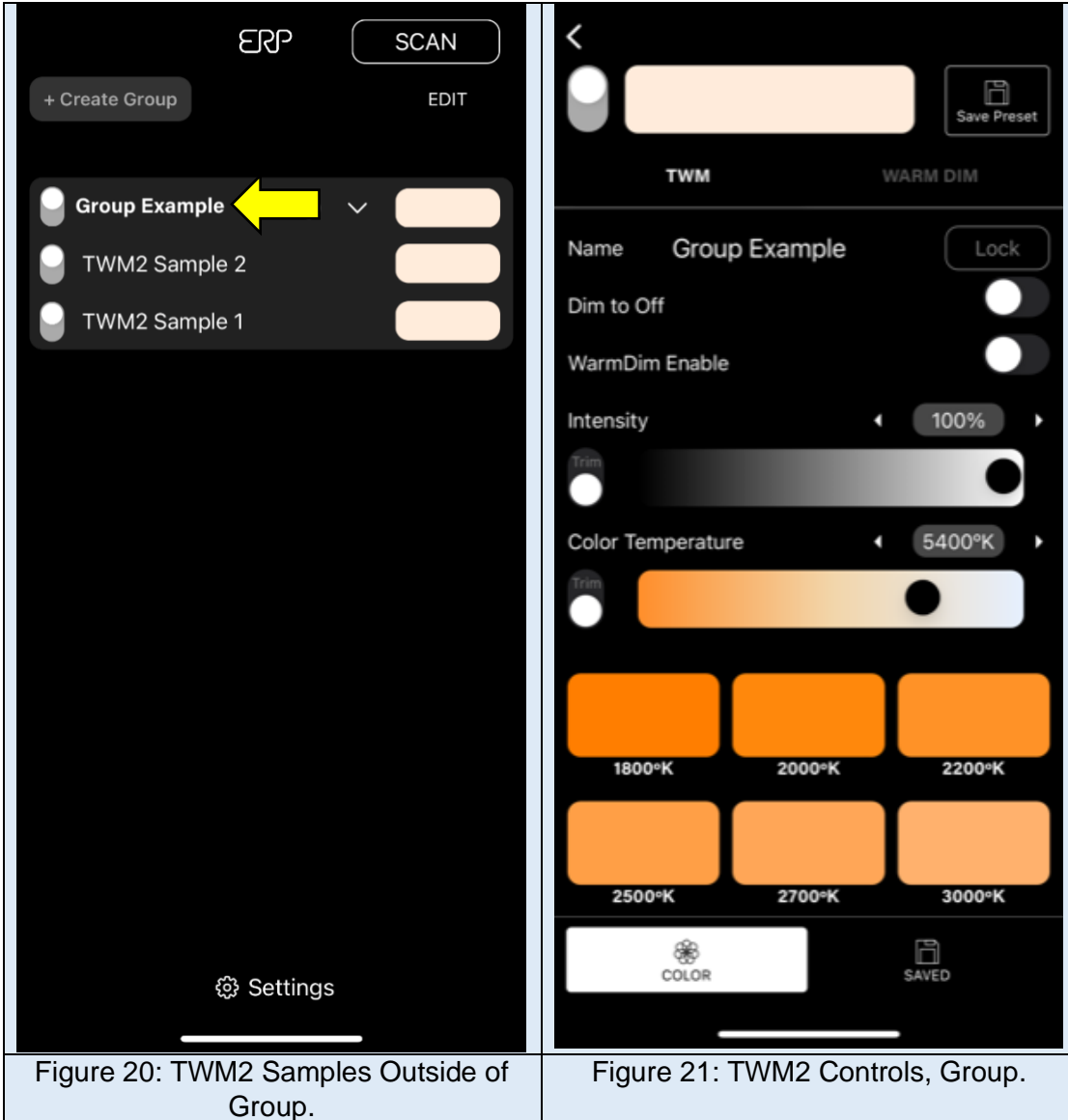
### 2.2.1 Press on TWM2 Unit for Individual Controls.



Figure 18: TWM2 Samples Outside of Group.

Figure 19: TWM2 Controls, Individual Unit.

### 2.2.2 Press on Group for Setting Controls for the Group.



**Note:** Selecting the TWM2 Sample/Group will cause an indicator flash on the selected set to make the commissioning process easier.

## 2.3 Layout of TWM2 Controls (Individual/Group)

### 2.3.1 TWM Controls Page, Basic Settings

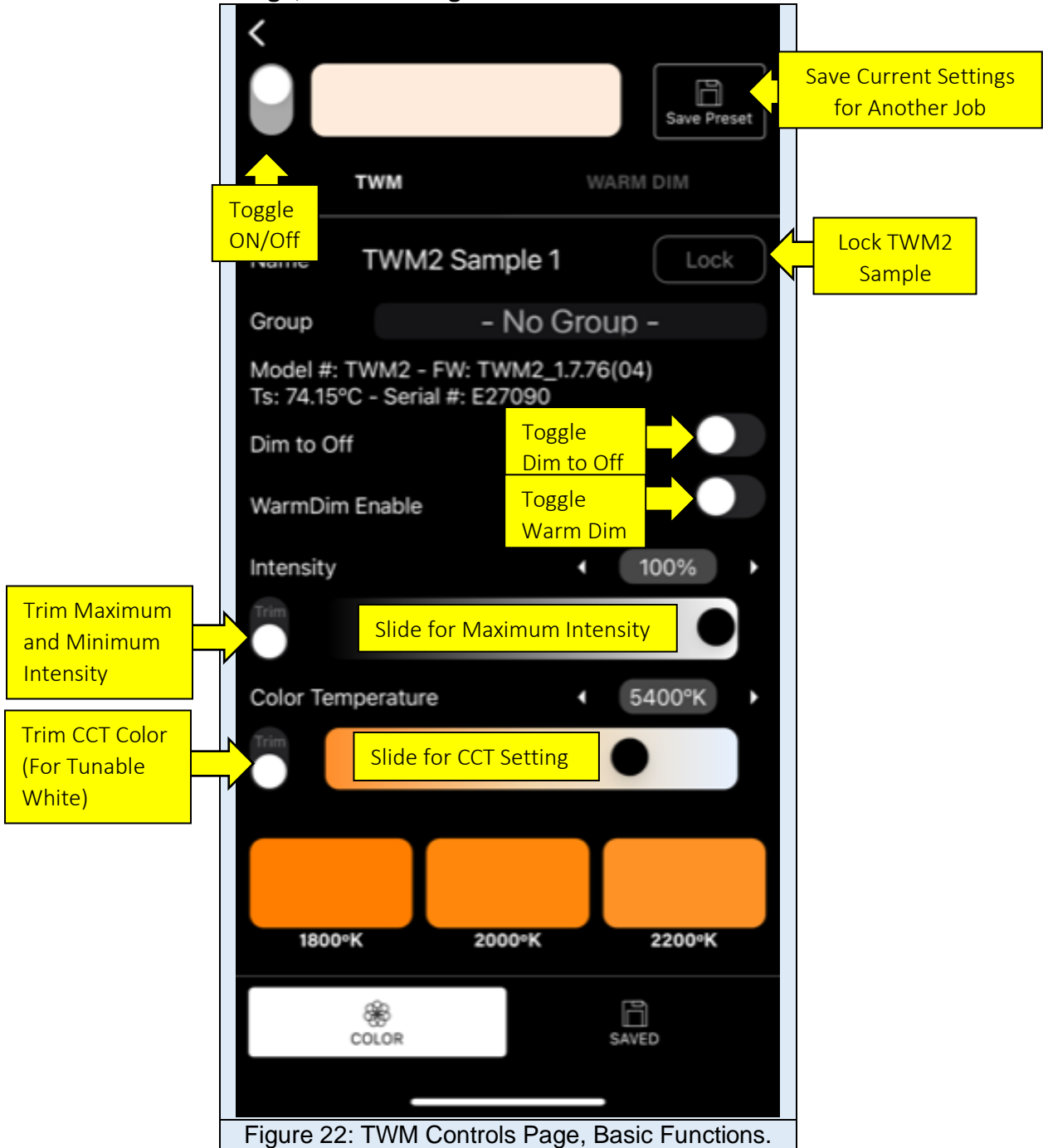


Figure 22: TWM Controls Page, Basic Functions.

**Update 09-25-2023:** The app can now track the exact firmware version, serial number, and surface temperature (Ts) of the individual TWM units.

### 2.3.2 TWM Controls Page, CCT Preset Settings.

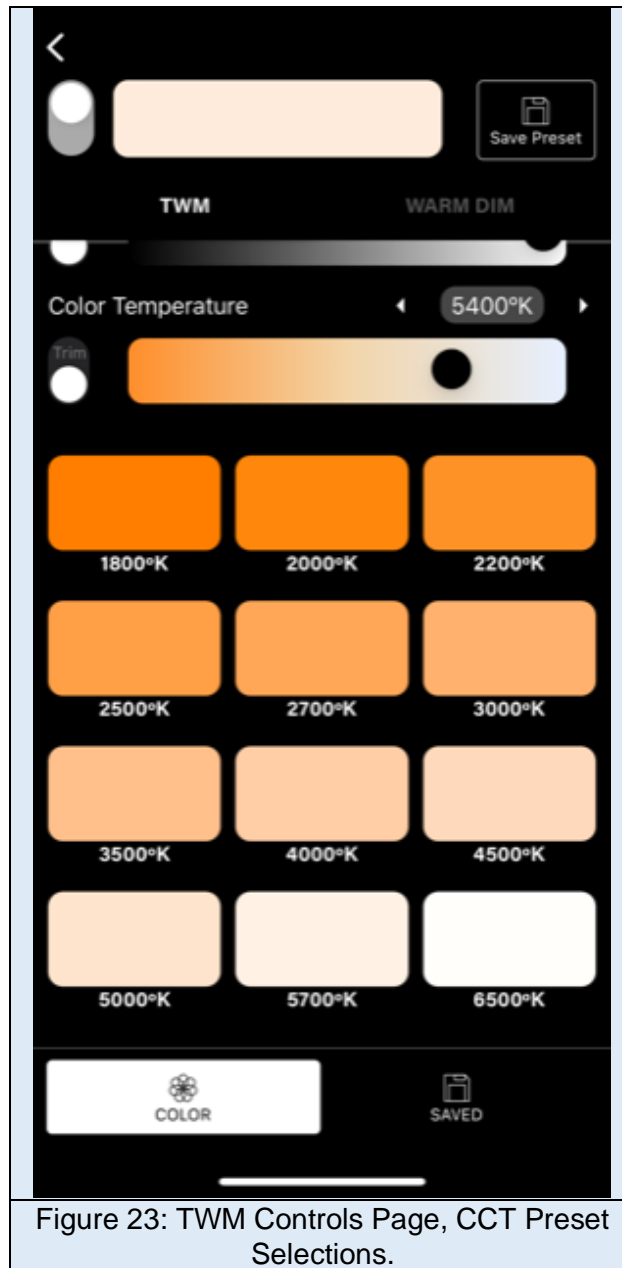


Figure 23: TWM Controls Page, CCT Preset Selections.

**Update 09-25-2023:** The preset CCT settings were minimized for ease of access in the TWM settings page.

### 2.3.3 Warm Dim Page, Basic Controls

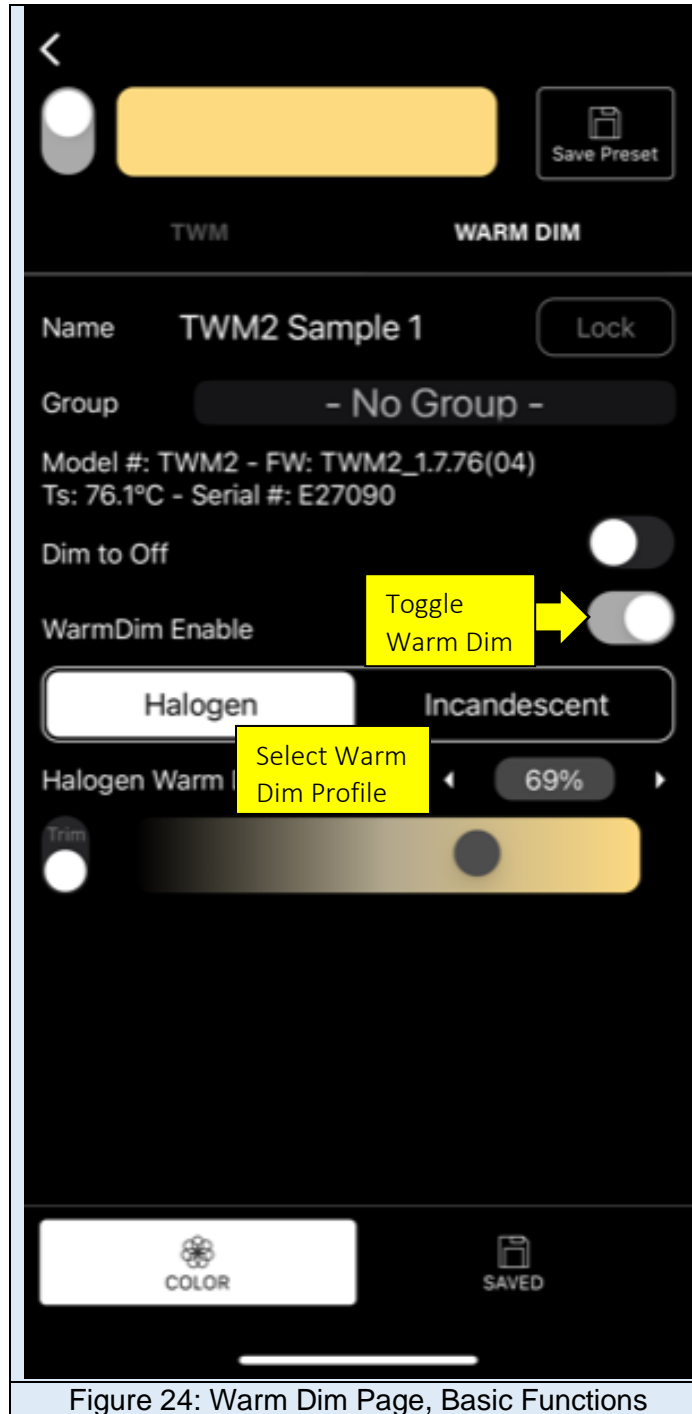


Figure 24: Warm Dim Page, Basic Functions

2.3.4 Custom Settings Presets Page.

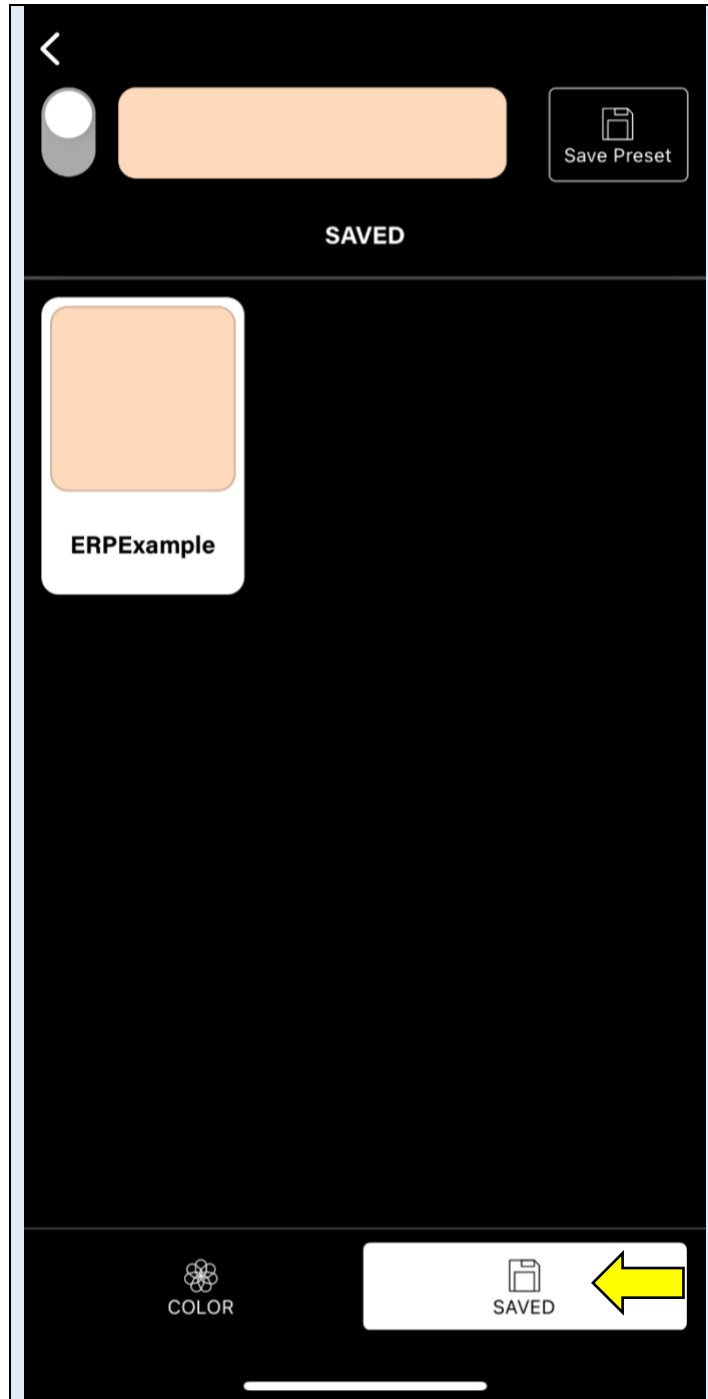


Figure 25: Warm Dim Page, Basic Functions

## 2.4 Create a Preset Setting with the Current CCT/Intensity Settings and Save for Later Use.

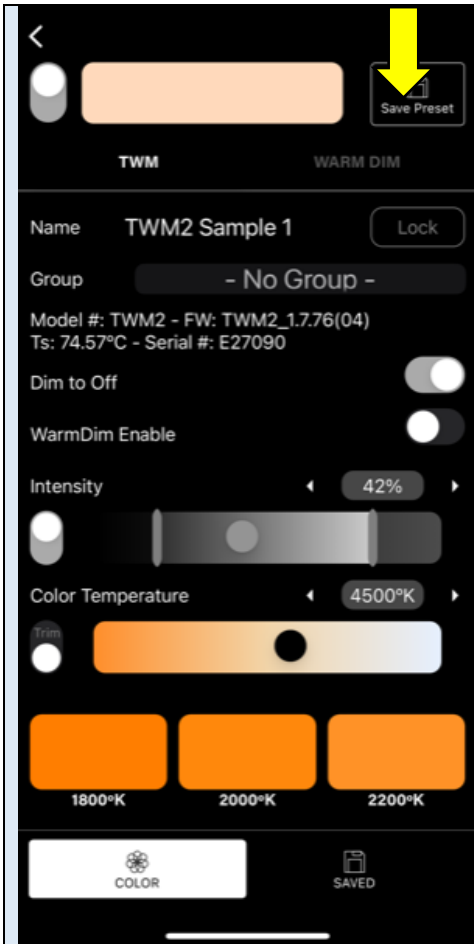


Figure 26: TWM Controls Page, Selecting “Save Preset” of Current Settings.

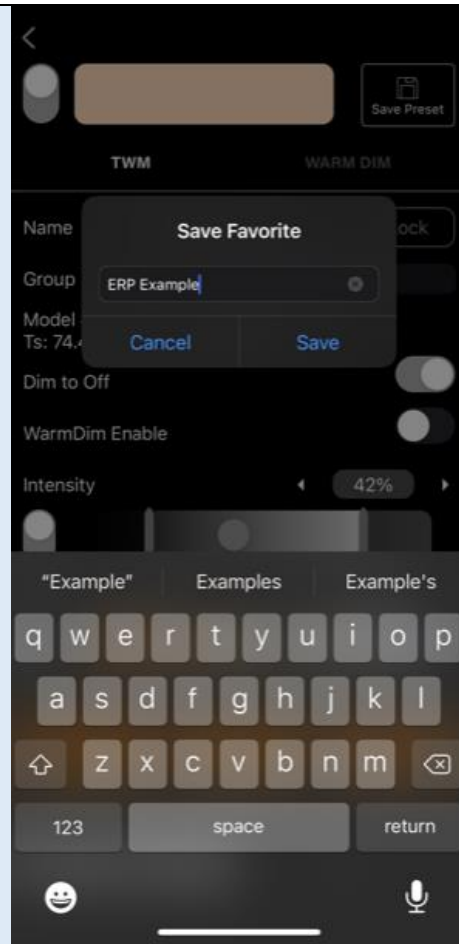


Figure 27: Saving Preset with Name of Choice.

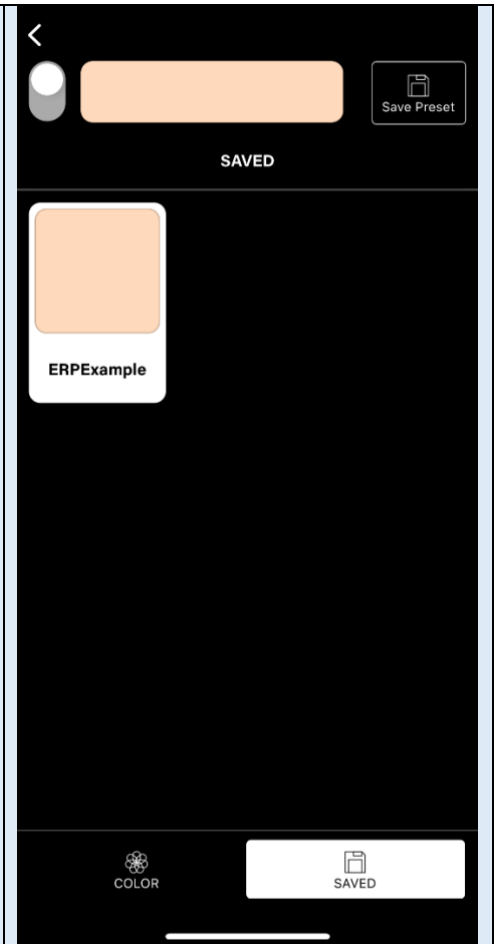


Figure 28: New Preset Saved on “Saved” Page.



## 2.5 Locking TWM2 Unit (Individual/Group)

### 2.5.1 Select “Lock” on TWM Controls Page and Create Password

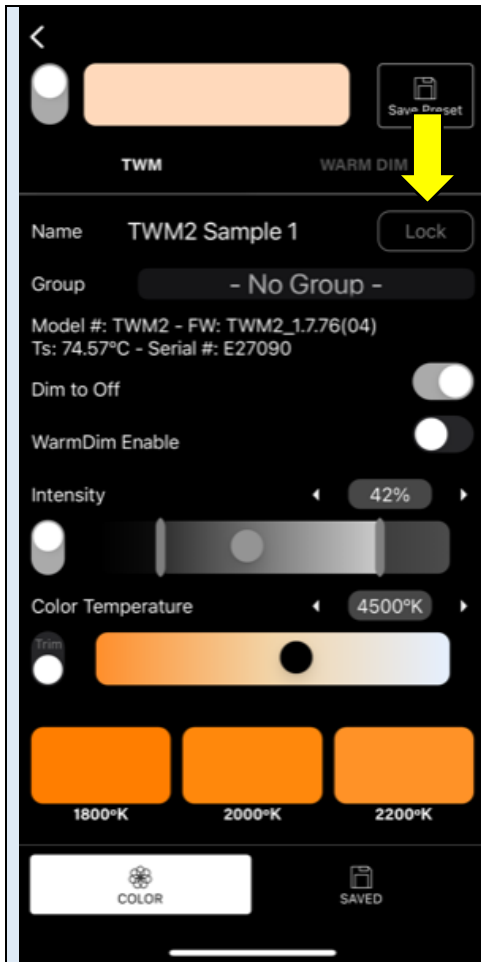


Figure 29: TWM Controls Page, Selecting “Lock”

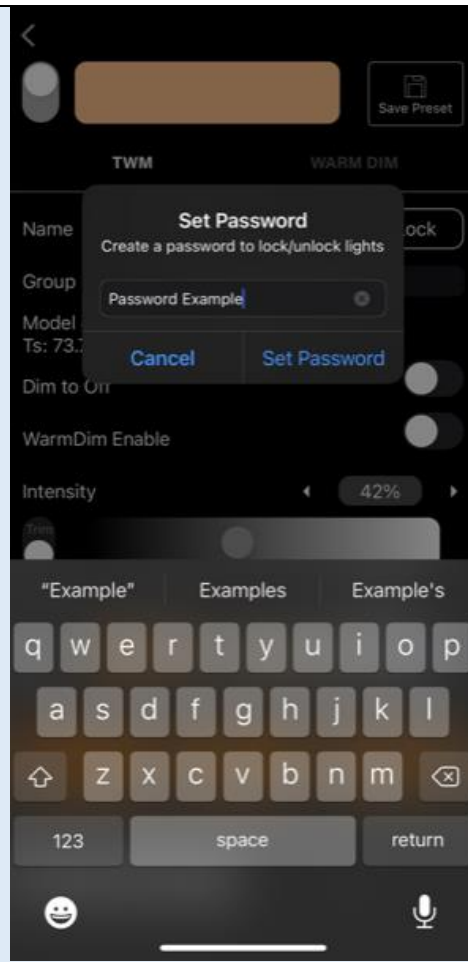


Figure 30: Setting Password for TWM2 Unit or Group.

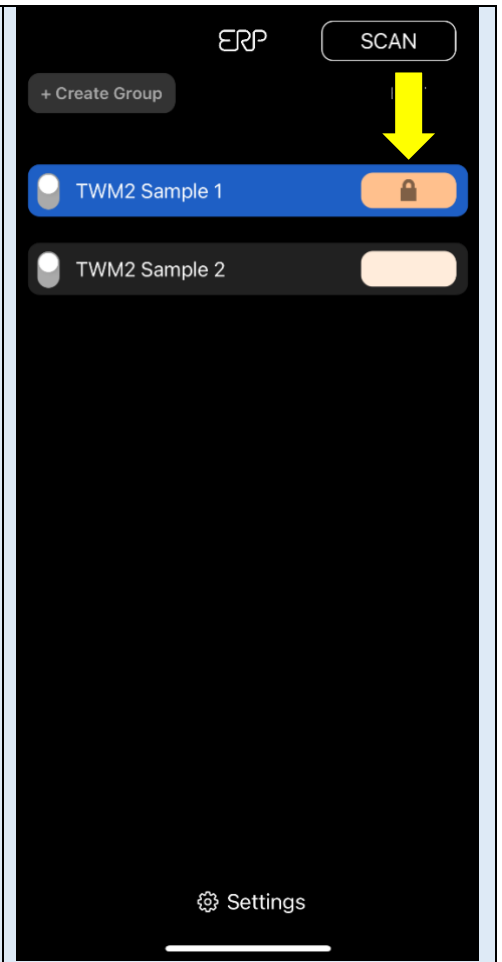


Figure 31: TWM2 Unit Successfully Locked.

**Note:** As a security measure, once the light is locked, other users won't be able to access or modify the setting for that particular light or group.

**2.5.2 Select “Unlock” on TWM Controls Page of Locked Unit and Re-enter Password.**

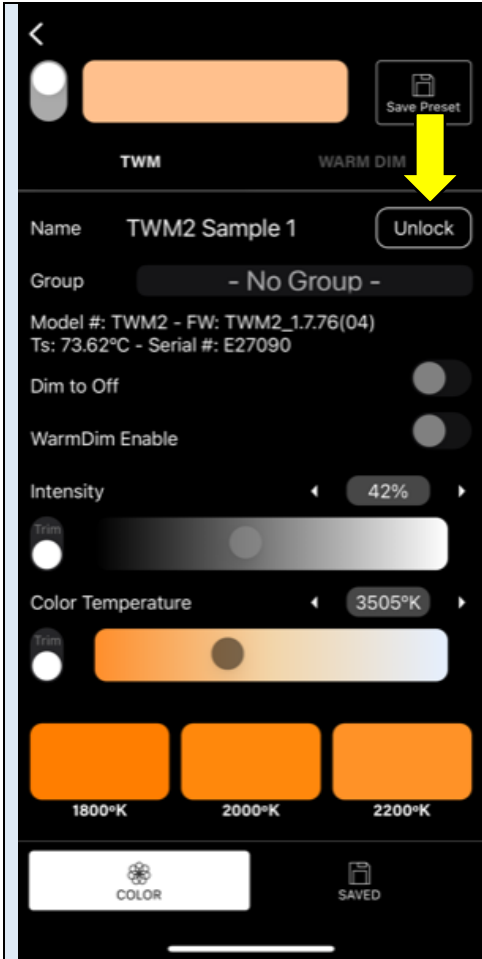


Figure 32: TWM Controls Page, Select “Unlock”.

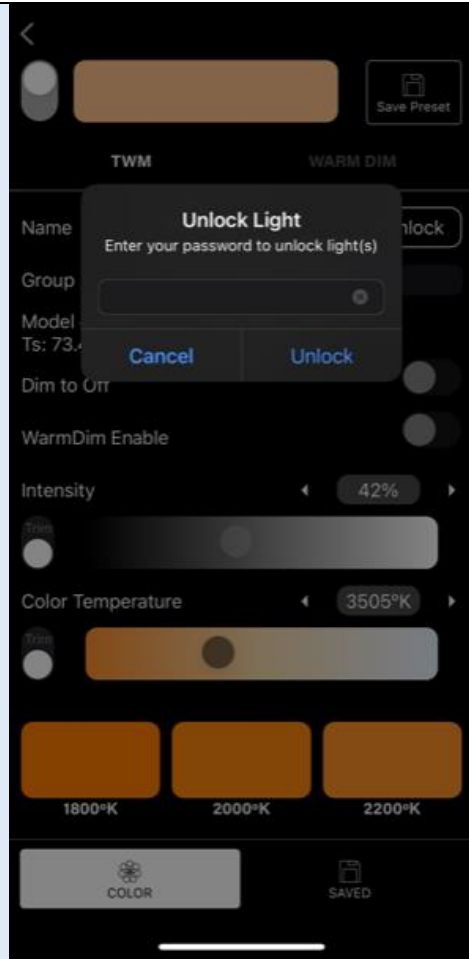


Figure 33: Re-entering Same Password To Unlock.

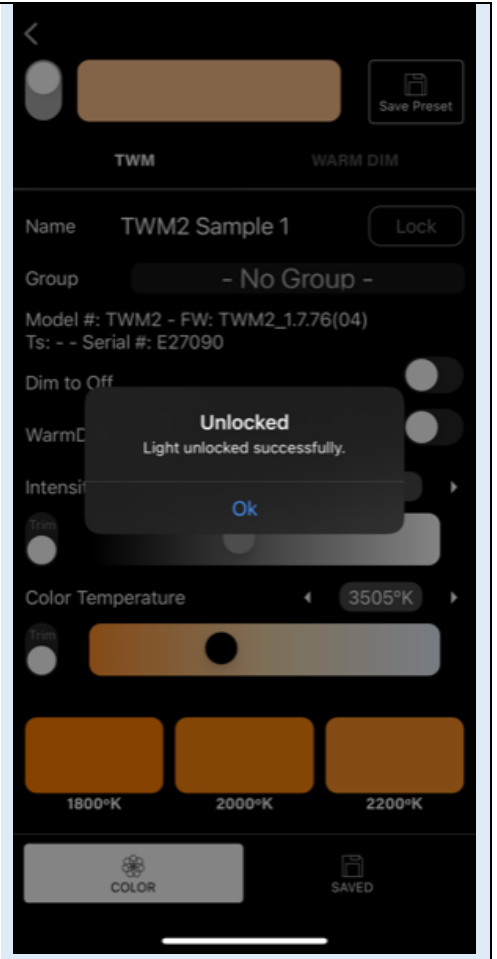


Figure 34: TWM2 Unit Successfully Unlocked.

**Note:** Unlocking the TWM2 unit/group will only be active for 30 minutes. After this time, it will automatically lock itself again.

**Update 09-25-2023:** The TWM2 unit/group will also lock itself if the user exits out of the app at any time.

### 3 Finalizing Operation

#### 3.1 Two Methods of Releasing/Relinquishing TWM2 Units from Bluetooth App Commissioning.

**Update 09-25-2023:** This is no longer a required step during sample testing, but the user can still forget the TWM units to clear data if needed.

##### 3.1.1 Method 1: Removing Via Swiping TWM2 Unit to the Left.

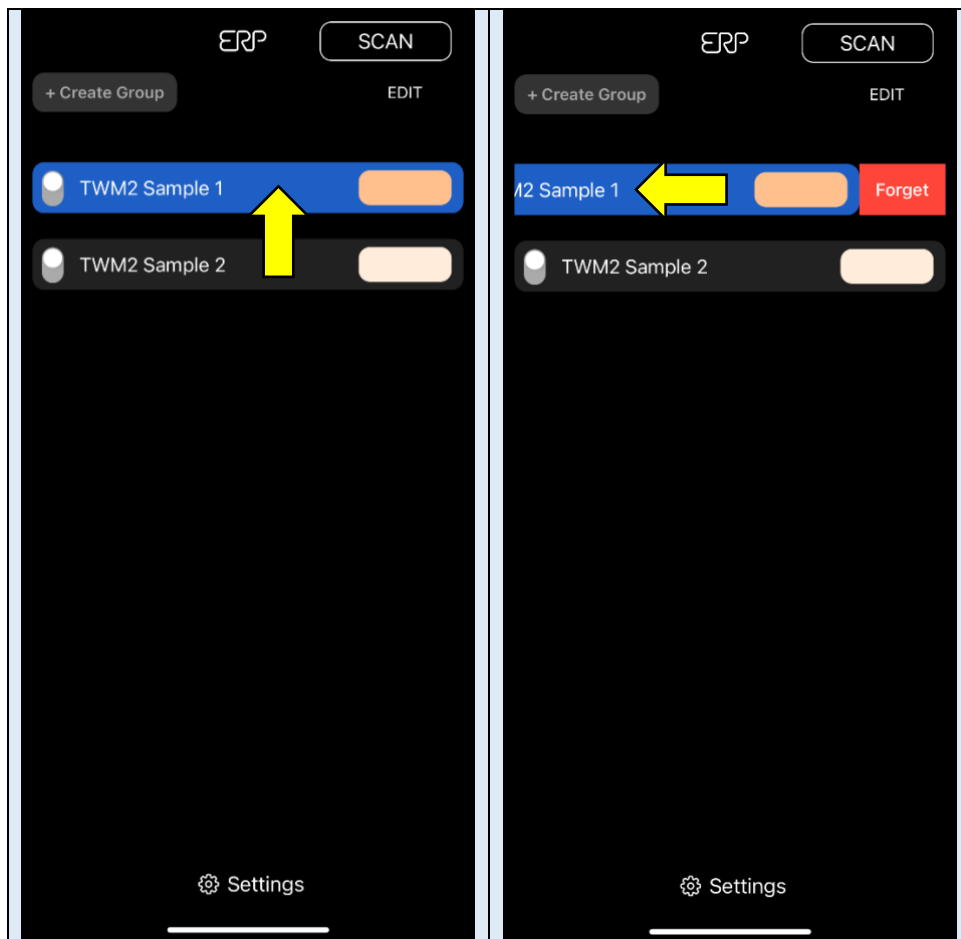


Figure 35: Hold onto TWM2 Unit to Be Removed.

Figure 36: Process of Swiping TWM2 Unit Left for Removing.



### 3.1.2 Method 2: Removing via Editing on Home Page

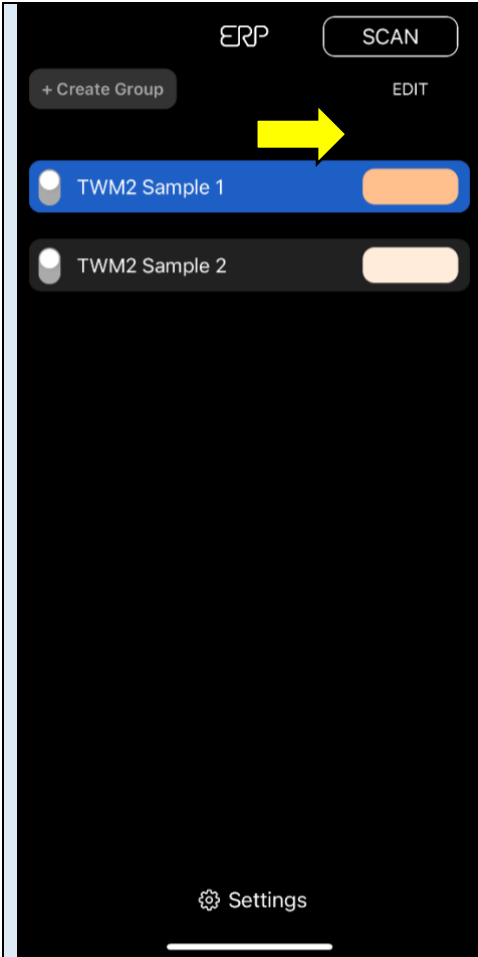


Figure 37: On Home Page of ERP Bluetooth App, Select "Edit".



Figure 38: Press Red Indicator on Left of Desired TWM2 Unit.

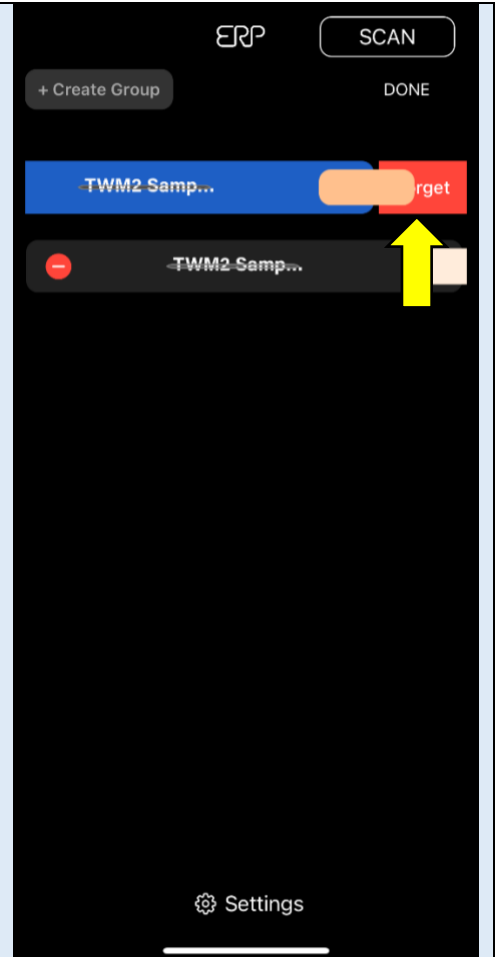
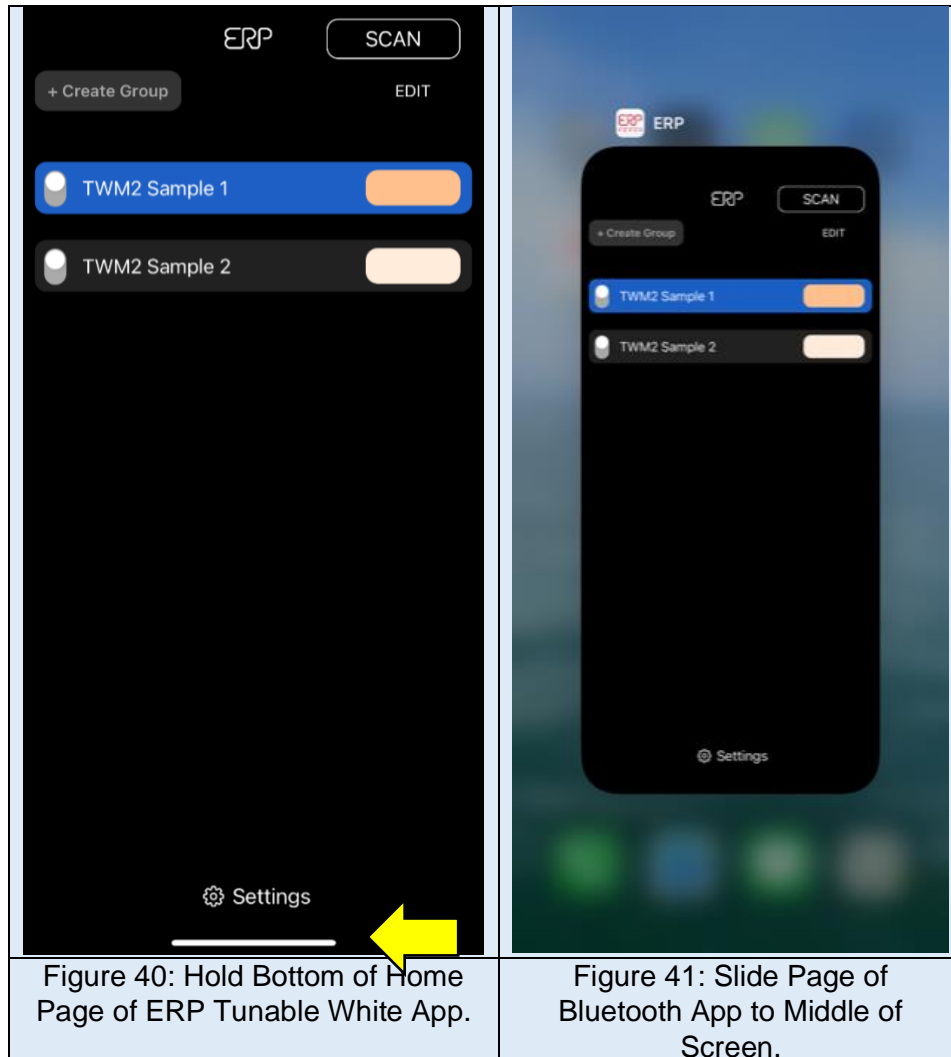


Figure 39: Select "Forget" to Confirm Decommission of TWM2.

### 3.2 Shutting off Bluetooth App after Setup.

**Note:** This is a recommended step after installation, because Bluetooth operation takes priority after 0-10V and TRIAC dimming.



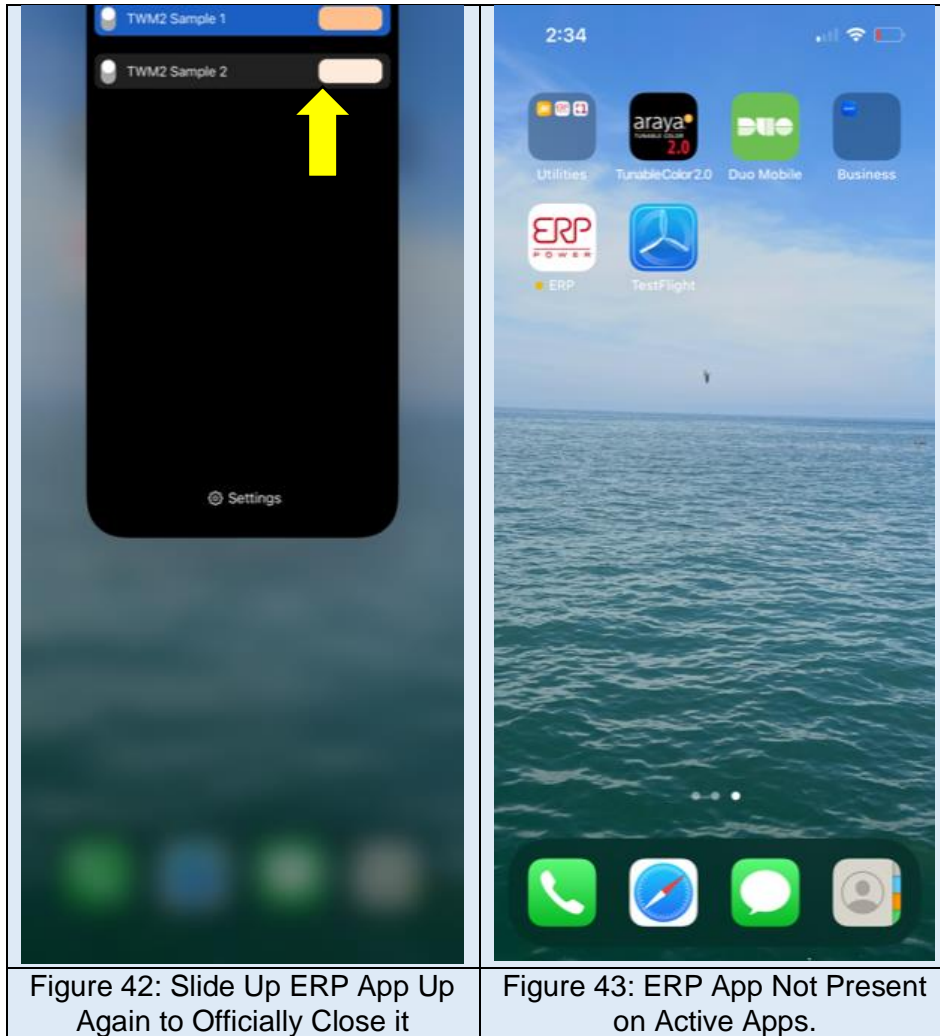


Figure 42: Slide Up ERP App Up Again to Officially Close it

Figure 43: ERP App Not Present on Active Apps.

**Update 09-25-2023:** The user no longer needs to close the app to disconnect the TWM2 lights from Bluetooth. Simply placing the app in the background will do the same trick now (Only Figures 40-41 in previous page).