



MANUAL



WIRELESS BLUETOOTH CONVERTER BLE-1915

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1. Overview and features

Compact wireless battery operated BLE converter enables you to control from any Smartphone / tablets via Bluetooth and converts into 433Mhz RF to control ARC Home Automation System.

Simple App set up to manage up to 64 individual devices, create 16 timers, sharing configurations to unlimited Smartphone and control unlimited BLE converter within one app.

Main features of BLE-1915;

- Free standing on table
- BLE 5.0 & 433MHz
- 1.5V (AAA) alkaline battery *2
- Red LED indicator
- Create timer features straight from the App.
- Control individual device via App. (On/Off/Dimmer/Open/Close)
- Consists 16 set of timers.
- Each timer can store up to 8 devices and each device can set different status.
- Maximum 64 devices can be stored within one smart timer BLE.
- Timer based on weekly repeat setup.
- Replacement of TMT-918.
- OTA software update feature

Why via app?

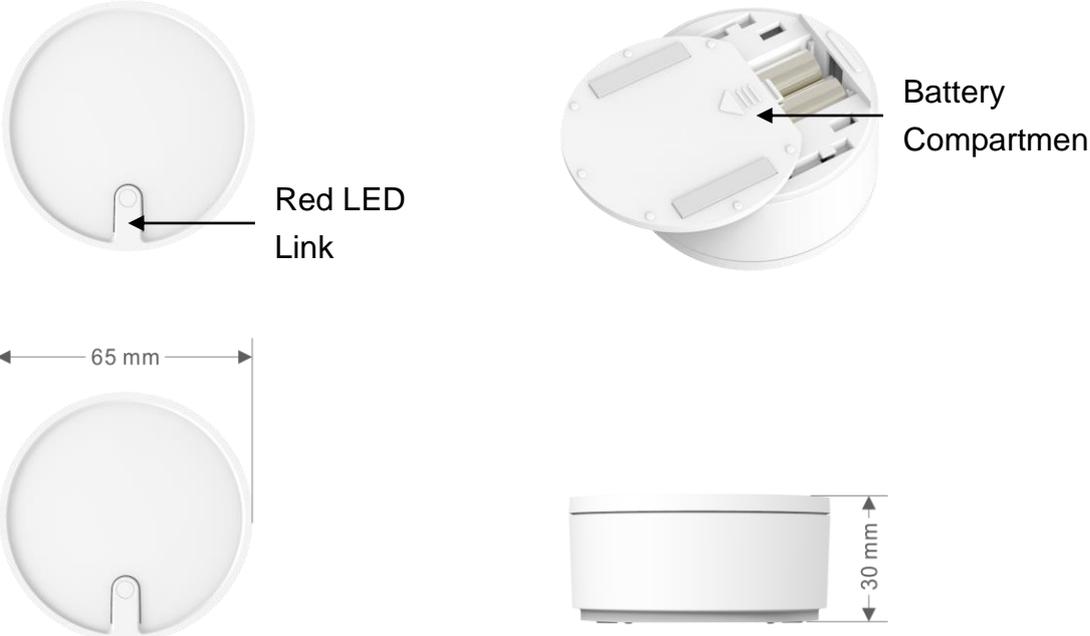
1. User friendly interface and easy to set up.
2. Manage or change timer setting anytime.
3. Control multiple timer BLE converter with one app.

Cloud Support?

Yes, user data settings will be backed up onto Amazon Web Service (AWS) free of charge.

2. Diagrams

Notes for the diagrams:



3. Application Control

App Name: Smart Timer+



Free app download.

Available in Apple App Store or Google Play.

No registration needed.

No annual fees.

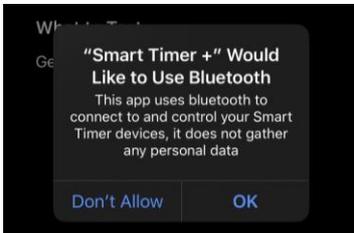
App Control

Bluetooth

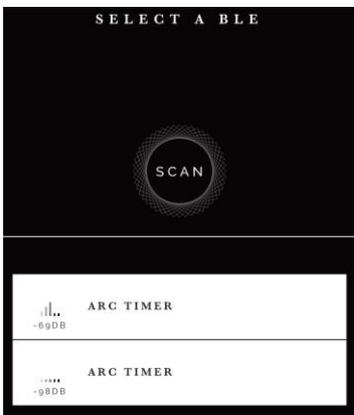
- Please ensure Bluetooth is enabled from your Smartphone setting.
- Only one Smartphone can control one BLE converter at one time.

Launch Smart Timer+ App

1. Allow Bluetooth to connect to and control Smart Timer devices.

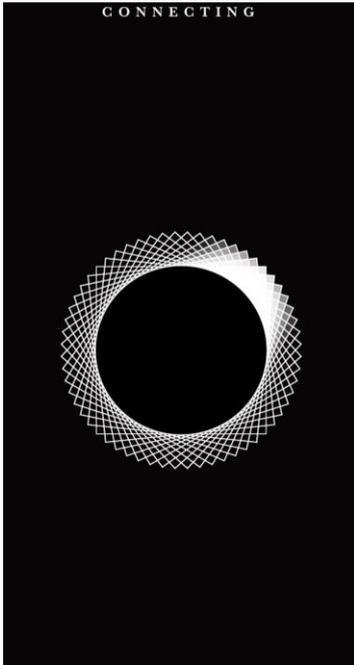


2. Press "Scan" to search for surrounding BLE device and select the smallest -DB number. (the smaller the decibel number the closer the BLE device is)



In this example, select -69DB "ARC TIMER"

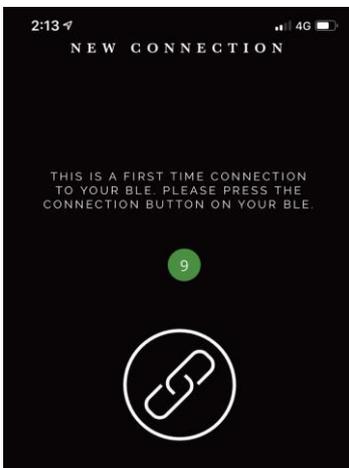
3. Connection in process..... (animation progress wheel)



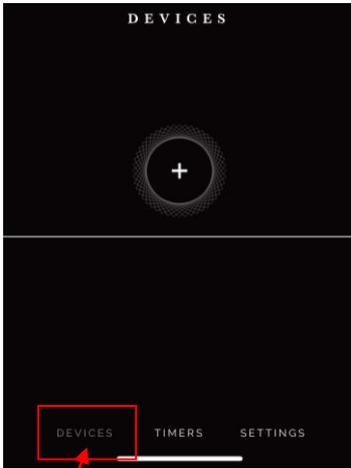
4. First time connect, the app needs to link with the BLE device.
During linking process, the red LED on BLE device will flash until you press the "Link" button or within the 13 seconds limitation.



Linking process will exit and resume to the list of BLE device page after 13 seconds limitation count down



Once linking process is complete, the app will direct you to the “Device” page, this is when you start pairing all the receiver devices that you wish to individually control or use them in creating timers.

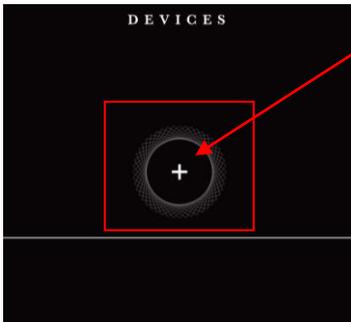


Greyish font below the app indicates the page that you are currently in.

Pairing Receiver Device

In this page, you can pair up to 64 devices.

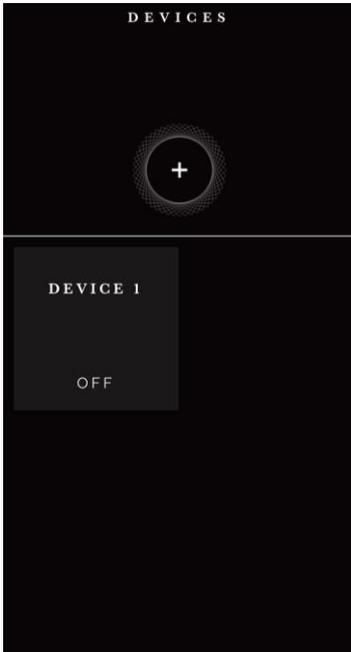
1. Press the + button to pair device.



2. Select the device type. (On/Off, Dimmable, Shutter)

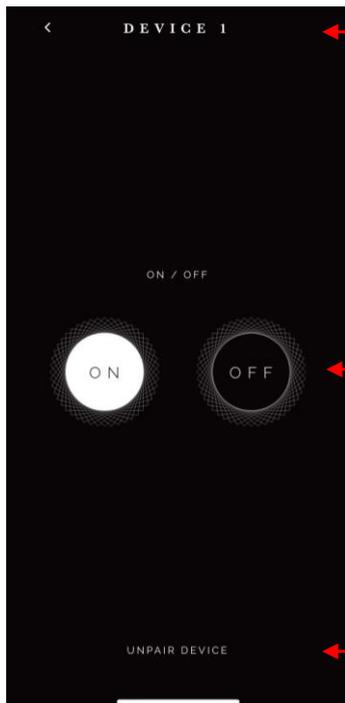


3. Enter 'pairing mode' on receiver device and press the "✓" button to confirm pairing.
4. Once paired, receiver device will appear in the device list.



Control Receiver Device

1. To control individual device, tap once on the device slot to turn On, Off, open, close or last dim level.
2. Or you can press and release device button to enter the device page to control further.
- 3.

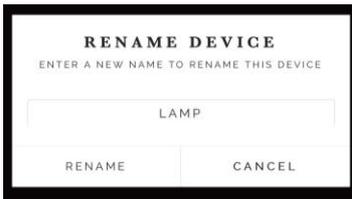


Rename device by press the device name

Control On or OFF

Unpair device, remember to enter 'un pairing mode on receiver device then press "unpair device" button

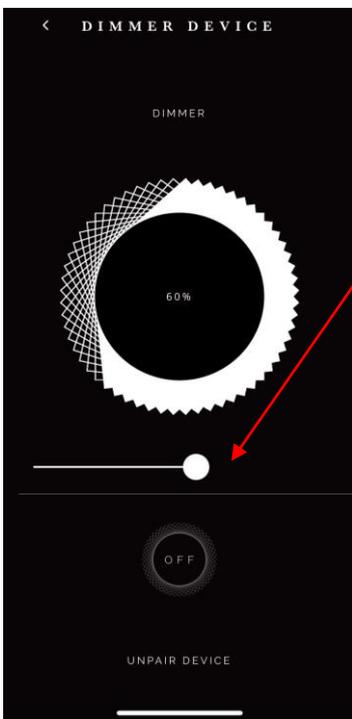
4. Rename Device



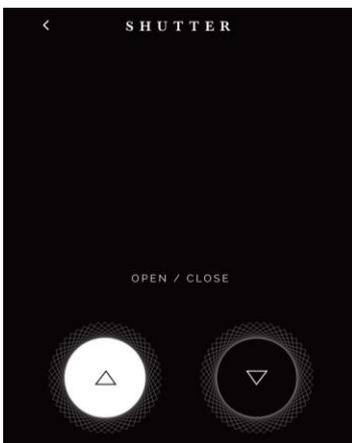
5. Unpair Device



6. Control dim level. Slide the bar to set dim level or press the Off button to turn off device. Dim level will indicate inside the spirograph



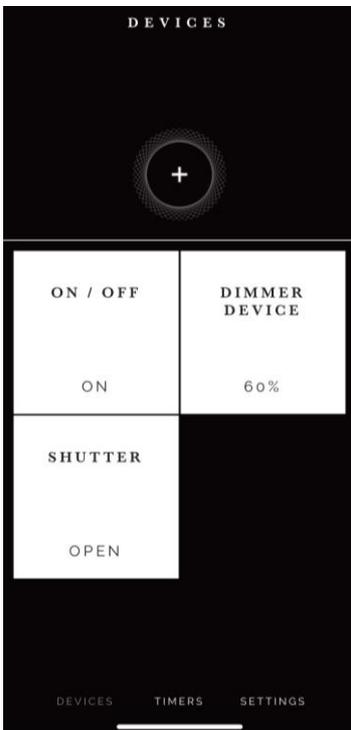
7. Control shutter Open or Close. Press \triangle to open or stop, ∇ to close or stop.



Status of each device will be shown as below;
OFF – White font black background



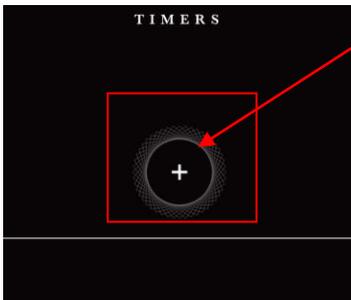
ON – Black font white background



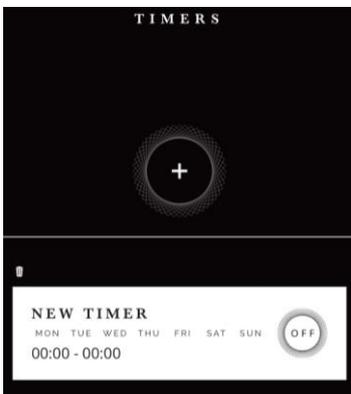
Timer Setup

In this page, you can pair up to 16 timers.

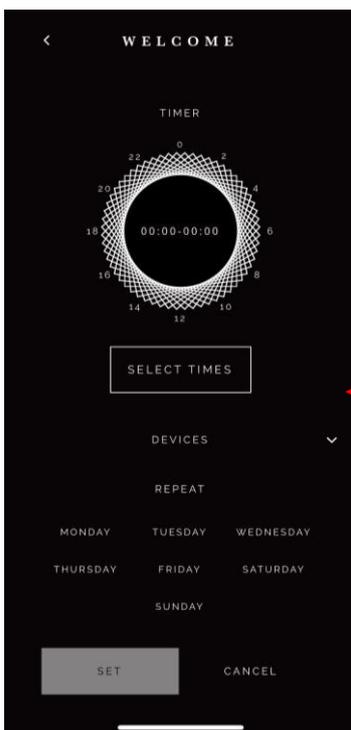
1. Press the + button to create a new timer.



2. Once you press the + button, a new timer slot will appear.
Tap anywhere to enter set up page.



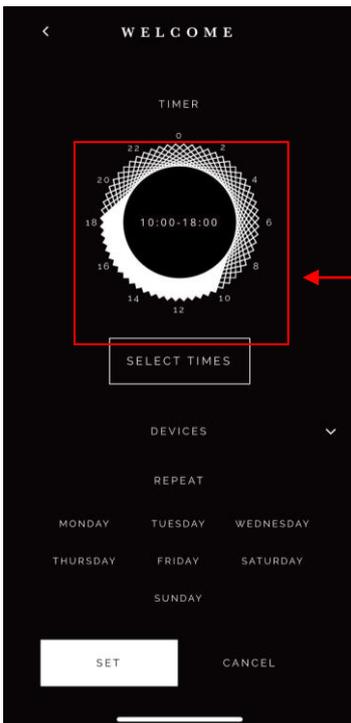
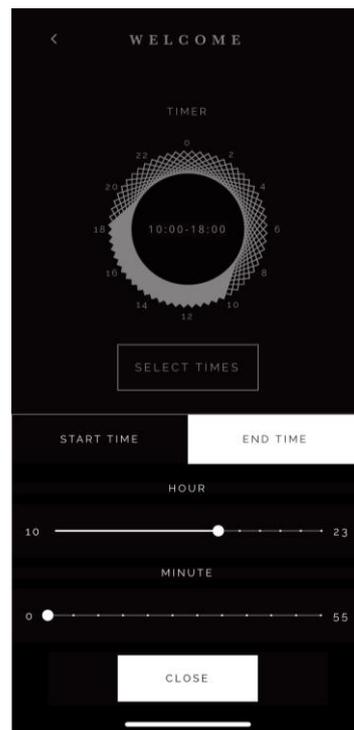
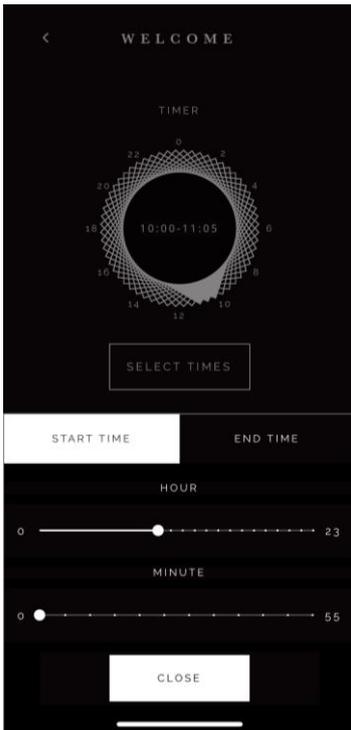
3. First rename your timer.



For example rename as "Welcome"

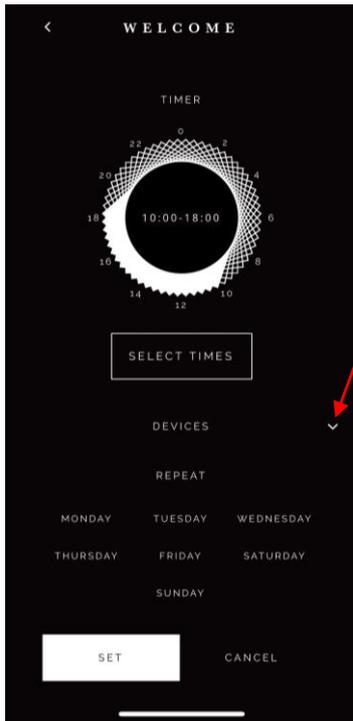
Press "Select times"

4. With the slide bar choose the start and finish time then press “Close”

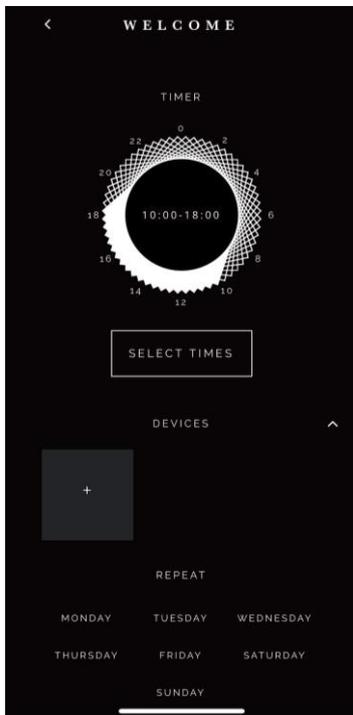


Start & Finish time will appear here

5. Press the  icon to select the device(s) for this timer.



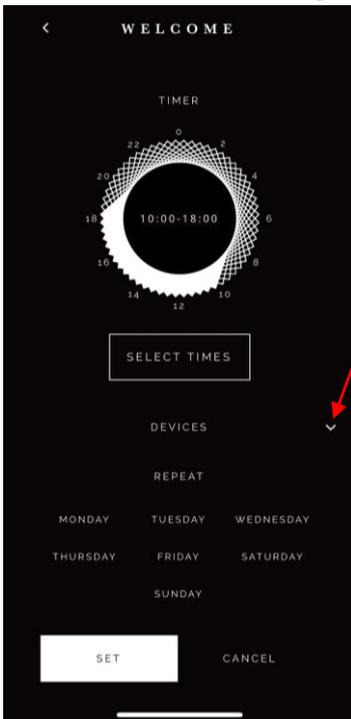
6. Press the + button to proceed device selection.



7. Select the device(s) and ensure the box is ticked then press 'SET'.

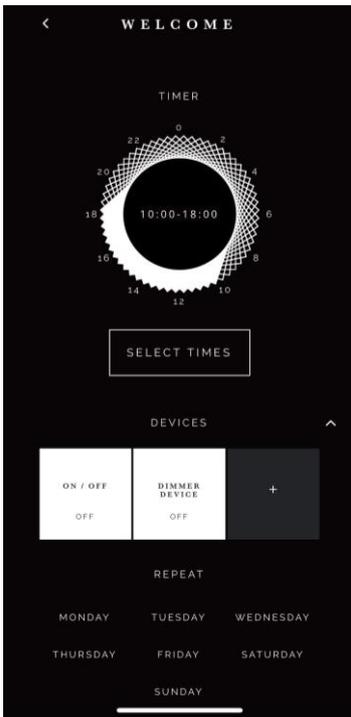


8. Press the  icon again to set up the device(s) status.

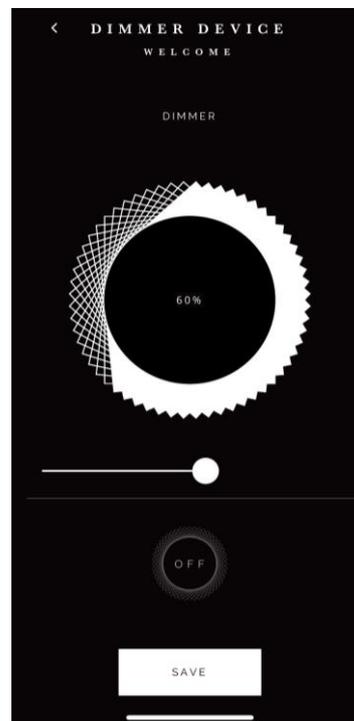
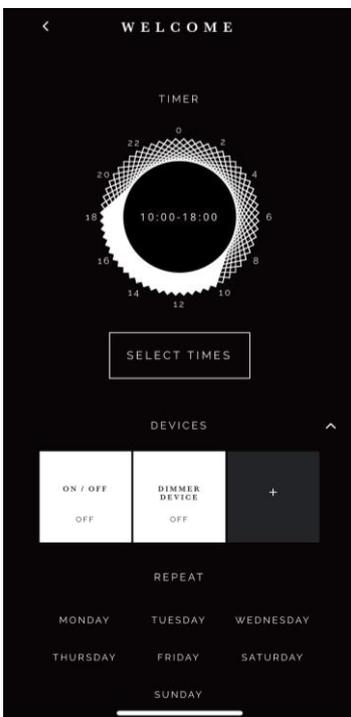


9. Click on device box to change the desired status.

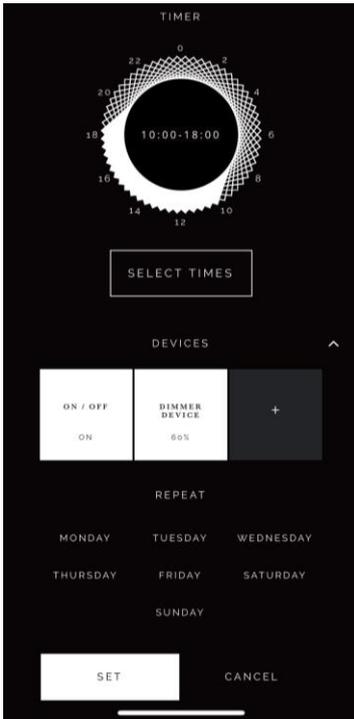
- For On / Off device, press the 'On' button and press 'Save'



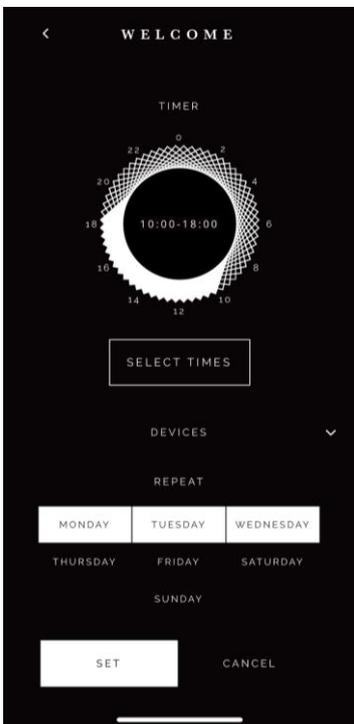
- For Dimmer device, press the slide the bar to choose dim level and press 'Save'



10. Once status is set, you will see the status information below the device name.



11. Next, select the day(s) of the timer to be active and press 'Set' button to store timer setting to BLE device.



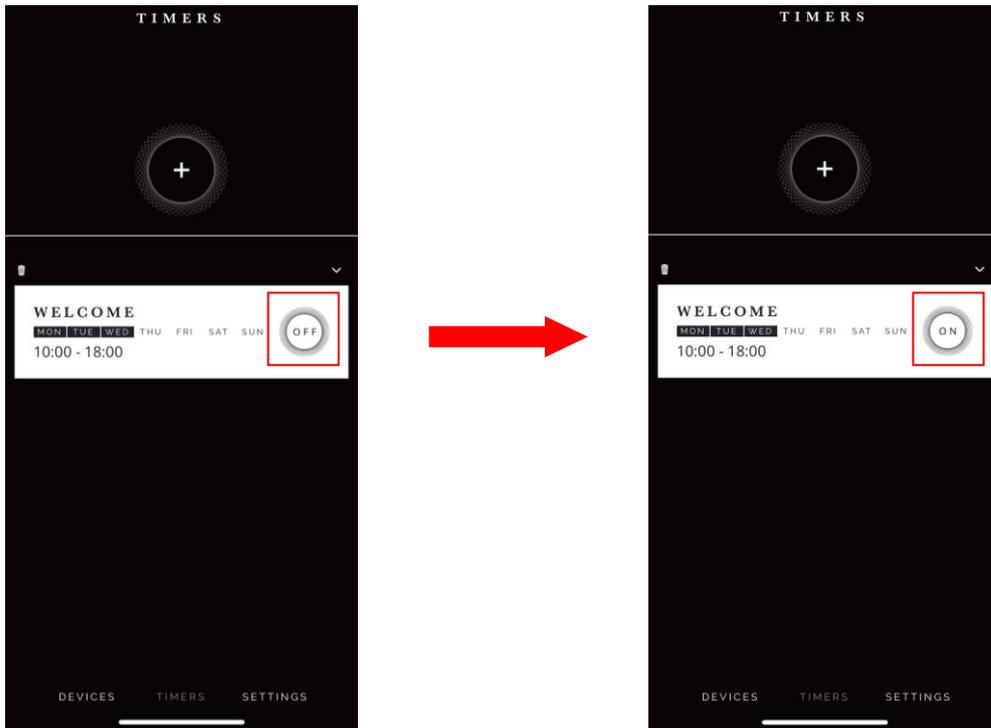
12. After setting are stored, the selected time and date will be shown below.



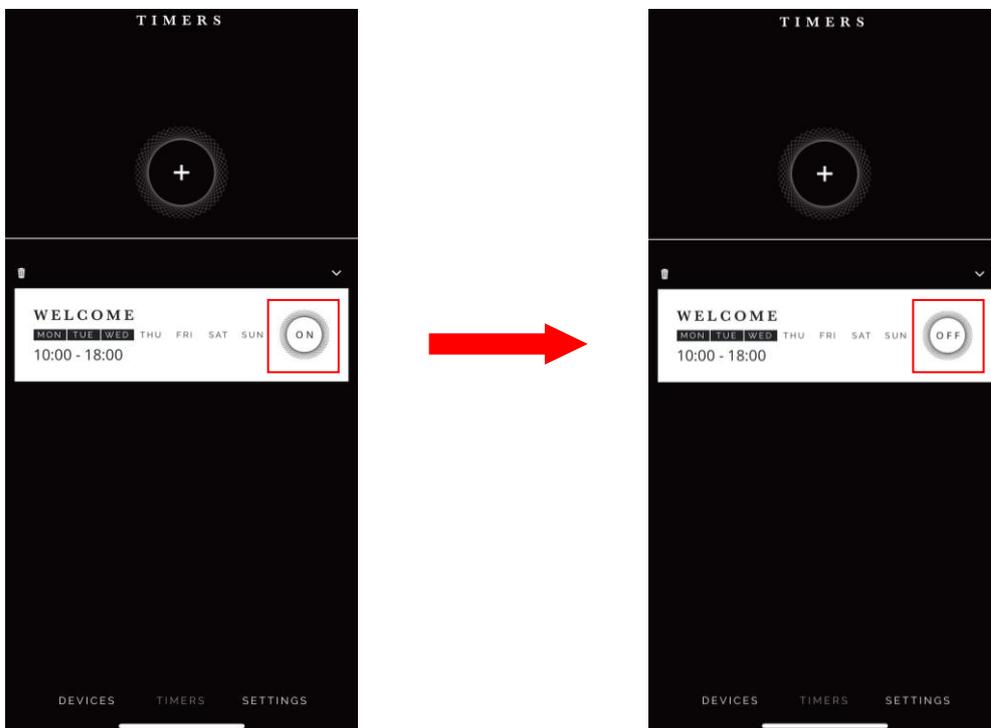
13. To preview the selected device(s) status, press the ▾ icon.



14. After timer is set, you will need to activate the timer by pressing the 'OFF' icon and change the status to 'ON'. (this means the timer is ON)



15. To deactivate the timer, press the 'ON' icon and change the status to 'OFF'. (this means the timer is OFF)



(For your information, the app is written this way. Once user presses 'SET', it only sends the setting command packet to BLE device. Then if user presses On or Off button the app then sends the command to start or stop the timer. So, this means user can save settings and choose when to activate/deactivate timer at the desired time)

Timer Specification

When activating a specific timer with a past date and time, device(s) will immediately turn On and Off to warn user that the timer is set.

For example:

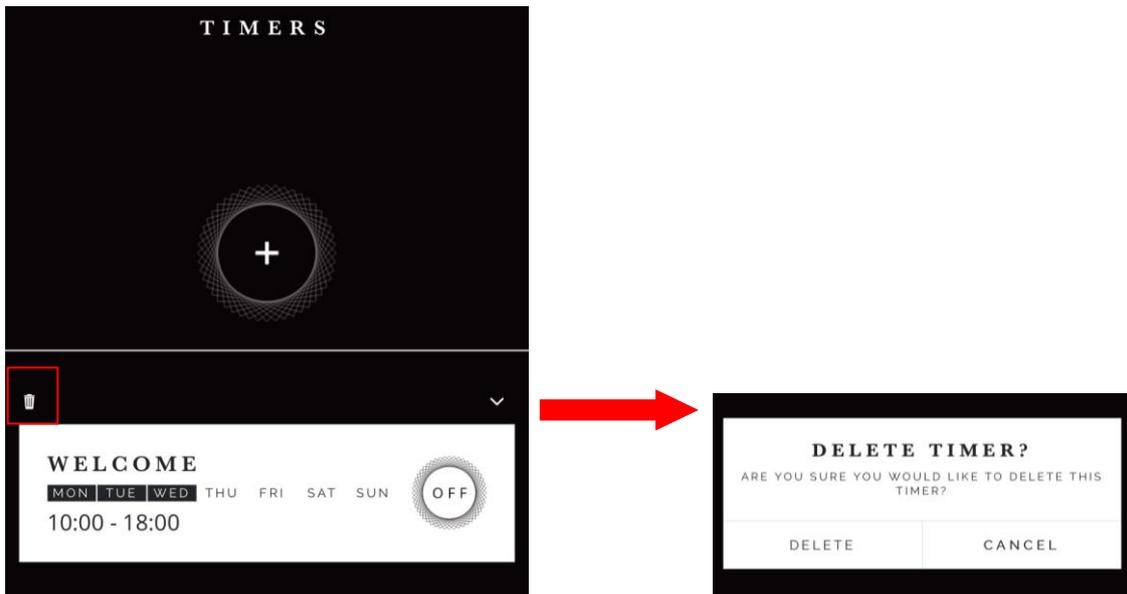
'Piano Lesson' timer is set to turn On / Off between 3pm and Off on Tuesday and Wednesday.



1. When activating 'Piano Lesson' timer on **Monday**, the device will turn On / Off between 3pm~5pm on Tuesday and Wednesday.
2. When activating 'Piano Lesson' timer on **Tuesday at 1pm**, the device will turn On / Off between 3pm~5pm on Tuesday and Wednesday.
3. When activating 'Piano Lesson' timer on **Tuesday at 4pm**, the device will immediately turn On and Off at 5pm and then Wednesday between 3~5pm.
4. When activating 'Piano Lesson' timer on **Tuesday at 5:01pm**, the device will immediately turn On and Off and then Wednesday between 3~5pm.
5. When activating 'Piano Lesson' timer on **Sunday**, the device will immediately turn On and Off and then turn On / Off between 3pm~5pm on Tuesday and Wednesday.

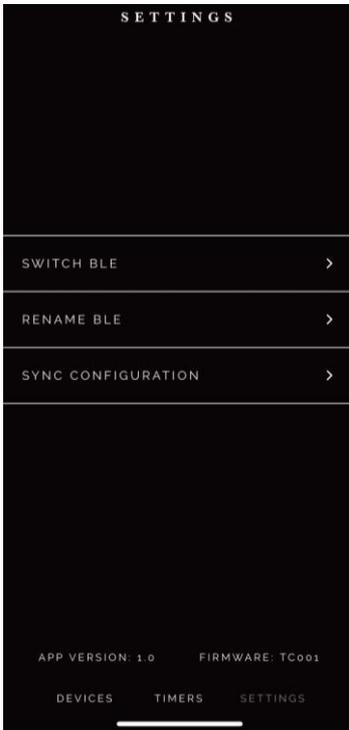
Delete Timer

1. Press the bin icon to delete the whole timer.



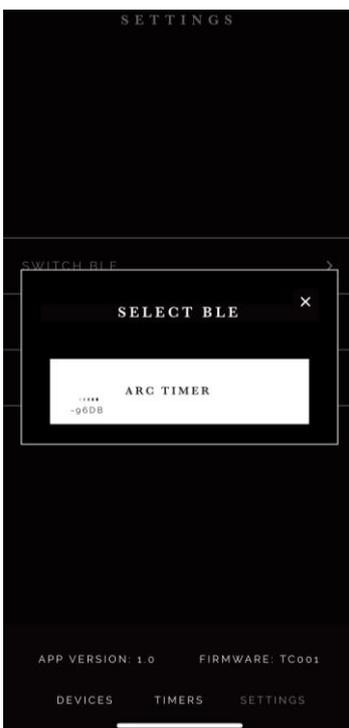
Setting

In the setting page, you can switch between 2 or more BLE timer devices, rename BLE device or synchronize configuration to AWS cloud service.



1. Switch BLE device.

If you have another BLE timer device, you may switch within the one app and control the 2nd BLE device.



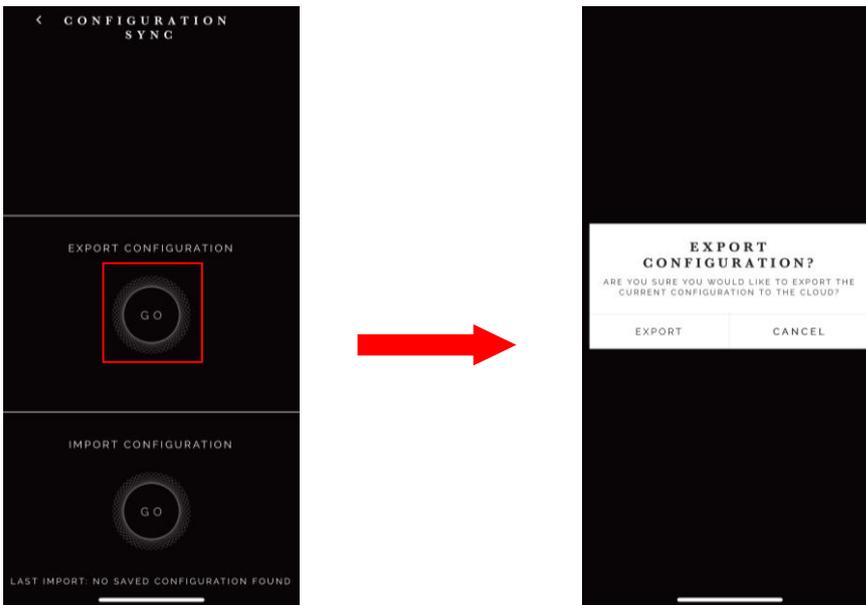
2. Rename BLE device.



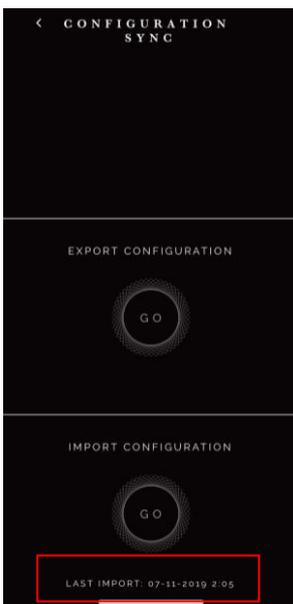
3. Synchronize configuration onto AWS.

You can share your settings to another smartphone by exporting data to AWS, and the 2nd smartphone imports the data from AWS.

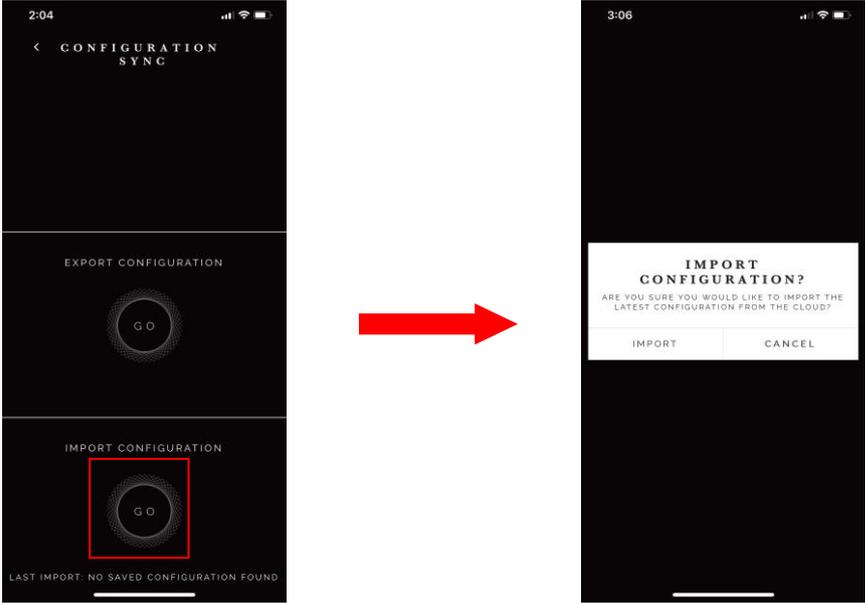
Export configuration press the 'GO' button to upload data.



Once saved, the last setting date and time will be displayed at the bottom of the app.



Import configuration, press the 'GO' button to download data onto 2nd Smartphone.



4. Specifications

Input Rating:	DC 3V (1.5V AAA alkaline battery * 2)
Radio Frequency:	433.92MHz, 2.4GHz
Environment Temperature:	0-40 °C
CE Certification:	The CE marked affixed to this product confirms its compliance with the European Directives which apply to the product and in particular its compliance with the harmonized standards and specifications.
	
Dimension (L x W x H)	65 x 30mm
Weight:	40 g