EDEN®

Bluetooth® water timer

A smart, efficient and convenient method to manage garden watering and large scale irrigation.

This Manual is a universal manual for all of our 1,2 and 4 zone Bluetooth® timers.

By using our free app on your Android or iOS smartphone (minimum required iOS 9 or Android V7.0), this water timer can be programmed wirelessly, allow you to use your smart phone or tablet to control all the programming and interface functions on your water timers or irrigation controllers. The app has easy-to-follow cues that are displayed on your smartphone to guide you through the process. The timer can be set to water on any or all days of the week, from 10 times or more per day, with a duration ranging from one minute to 12 hours.

The water-delay setting lets you postpone your irrigation cycle without losing your preset program. You can also manually control the settings right at the faucet, without using the app. You can even manage multiple timers from the same app. These tap timers will automatically water sequentially once they are programmed via your smartphone or tablet. No need to open the user's guide to figure which buttons to push. The App is highly intuitive and programming is simple.

Features >

Pairing your Smart Phone with EDEN® Bluetooth® Controller >

EDEN® Bluetoth® Timer Spec >

Managing the App >

Useful Tips >

Contact Us >

Features:

- Smart Bluetooth® garden timer where you change the method of watering your garden from a range up to 10 m (30 ft). Enables you to control your garden's watering schedule from your smart phone, tablet remotely.

- Easy to install application and simple to operate.

- Daily, Weekly and cyclical programming.
  A four zone timer allowing you to water four different areas from the same faucet. Each zone can be programmed with different start time.
  (Single and two zone timers follow this same guide)

- Manage one or many controllers from a single app with the ability to name each controller, capture an image or uploaded from your gallery. You can replace the valve's photo and name to easily distinguish between them where you want to water

- The timer is constructed using weather and UV-resistant ABS material housing and requires 4 x AA (1.5v)
  **Alkaline batteries, not incuded*

- Works with water pressure from 10 to 120 psi

- Manual settings from the App is simple task
  (Manual watering in 1 minute increments up to 360 minutes)

- No need to open the user's guide to figure which buttons to push. The App is highly intuitive and programming is simple to use.

- Follow-up on scheduling by viewing the "Next Watering" feature

Pairing your Smart Phone with EDEN® Bluetooth® Controller:

Compatible with Bluetooth® 4.0 devices (minimum required iOS 9 and Android V7.0). Pairing is required only once. On subsequent operations of the app, the app will synch automatically with the controller and will display the paired controller status screen.

1. Download and install the EDEN® Water Timer App :

ANDROID APP ON Google play

Download on the App Store

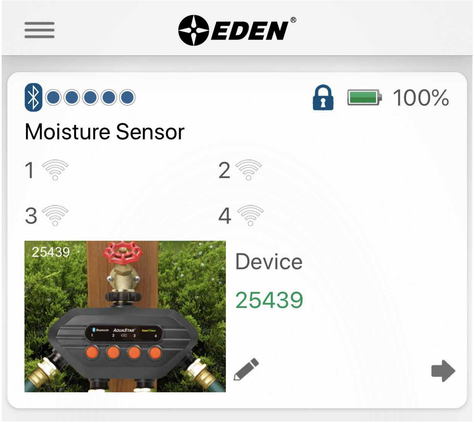
Please visit Google Play Store or App Store, search for "Eden Water Timer", or scan the bar code on the controller package to download the app. You need to have an account on both sites to have access to the store. The EDEN® Water Timer App is free.

2. Insert 4 Alkaline batteries to the Bluetooth® timer controller (batteries are not included). Remove the battery tray and install the batteries. Firmly reinstal the battery tray back into the Bluetooth® timer.

**Replace batteries when timer flashes a red light or when the app notifies you that batteries need replacing. Please use only Alkaline batteries.*

3. Your Bluetooth® timer is now in pairing mode and will flash a green light every 2 seconds. You will also hear two clicks about 2 seconds apart, this is normal and ensures the valve is closed before you turn on the water.

4. After the app is installed, tap to launch the app. The app prompts you to set up Bluetooth® controller. The app displays the various Bluetooth® controllers. Don't forget to activate Bluetooth of your smartphone or tablet. If you have forgoetten to activate your smartphone or tablet, the app will suggest you to activate it.



5. Install the Bluetooth® timer:

Connect the timer to an outdoor hose faucet. Make sure the timer is securely fastened. Your timer is now ready to be used with any product that can be attached to a standard hose adaptor. You can attach up to 4 hose devices per timer.

6. Turn on Your Water:

The water supply must remain on for the timer to work properly.

**Stop Watering: You can stop watering at any time whether it is during manual watering, or during a programmed time.*

Timer Spec:

Model:
Range: 30 ft. (10 meters) without interference
Pressure Operating: 10 - 120 PSI
Temperature Operating: 32 - 110˚ F (0 - 45˚ C)
Frequency Band: 2402 - 2480 MHz
Operating Frequency: 915 (N.Amer.) / 868 (EU) MHz
Max Power: < 20 dbm

For outdoor use with cold water only!
Not for use with household appliances
Do not mix Alkaline, carbon-zinc, or rechargeable batteries
Used or dead batteries must be removed from the timer and disposed properly

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by our Yuan Mei Corp. could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

To comply with FCC RF exposure requirements, the device and the antenna for this device must be installed to ensure a minimum separation of 20cm or more from a person's body. Other operating configurations should be avoided.

CAN ICES-3 (B)/NMB-3(B) Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf

Edit Device Profile:

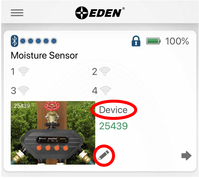
Tap ✎ or the *"device"* name on the screen to setup. You can change the Device profile for device icon, name and password.

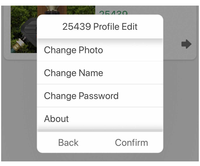
You can name your Bluetooth® timer if you have more than one. This helps you identify your timers.

Any programming changes can be overridden by any auhorized user.

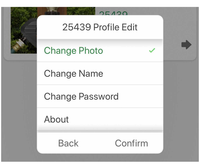
You can add more Bluetooth® timer. If you are using more than one timer controller unit, you can also replace the unit's photo and the name to easily distinguish between them.

Caution: Two people can not connect simultaneously! Only one user at a time can be connected to the device.

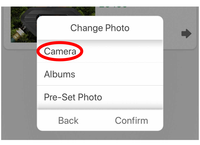




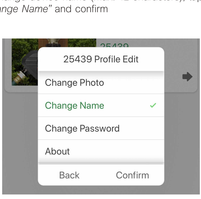
Tap *"Change Photo"* to replace it with a new one from the phone camera or gallery. Then Tap Confirm or back to previous settings.



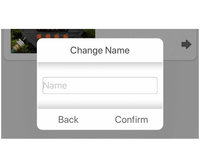
Select photos from Camera, Albums or Pre-set Photo. *Noted: If you select Camera, you will take a photo from the camera.*



To change device name (max. 12 characters), tap *"Change Name"* and confirm



Tap Confirm once the desired name is entered for your device. (12 characters in length)

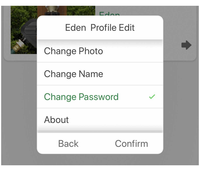


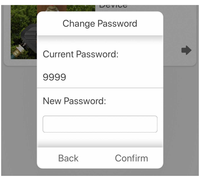
Tap *"Change Password"* if you wish to enter a new password

There is no default password. If you forgot the password, you will need to reset it. To reset, just remove the battery case and while you re-insert the battery case back, hold #1 button until you see the law battery indicator turns on red, release the #1 button. The unit has been reset.

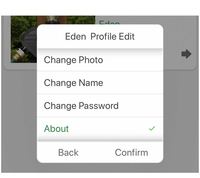
Other users will have to enter the password if you have set up one.

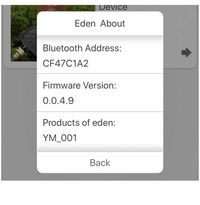
Setting up password allow you to protect your Bluetooth® timer from*"Unauthorized users"*





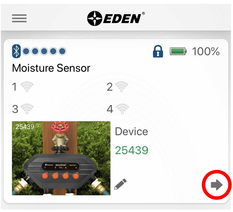
Tap *"About"* to find out more about the device information such as Firmware version, Bluetooth® address, etc.





Setup Zone Valves:

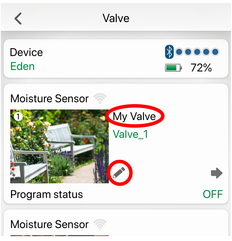
Tap ➡ or valve photo to *"Valve Setting"* to set up

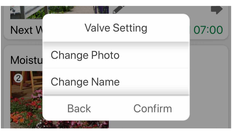


Tap *"valve 1"* or ✎ to change valve name (12 characters in length) and icon. Repeat the step for the rest valves

Tap Valve 1, 2, 3 or 4 to rename

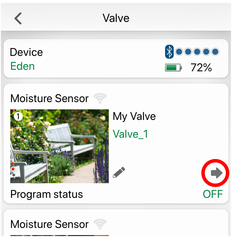
If you are using more than one valve on your controller unit, you can also replace the valve's photo and the name to easily distinguish between them where you want to water.



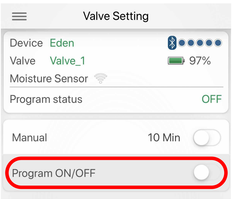


Program Your Watering Schedule:

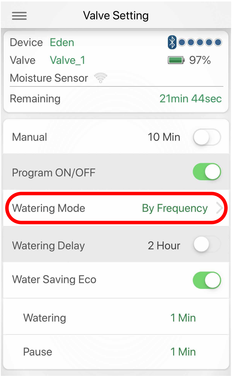
Tap ➡ to *"Valve Setting"* to adjust the watering schedule



Swipe the *"Program"* bar to turn on the programming mode to select your watering selections

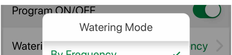


Tap the watering mode > to change watering mode to *"By Frequency"* or *"By Week Day"*

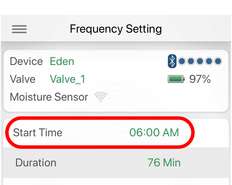


Select *"By Frequency"*, then tap the *"Setting"* key

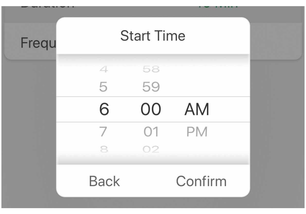
By selecting Frequency, you can have the device run multiple times in one day



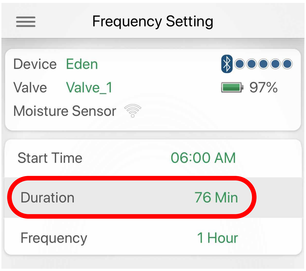
Tap *"Start Time"* to select desire watering time



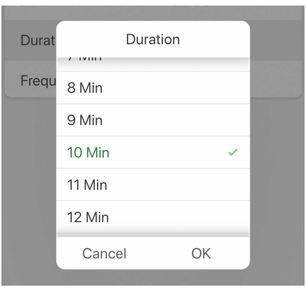
Scroll up or Down to select the desired watering time, then press the *"Confirm"* key



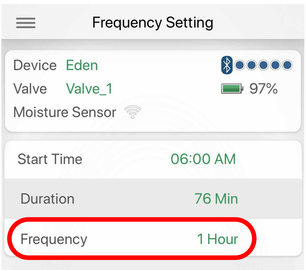
Tap *"Duration"* Scroll up or down to select your desired watering time. Then press the *"Confirm"* key



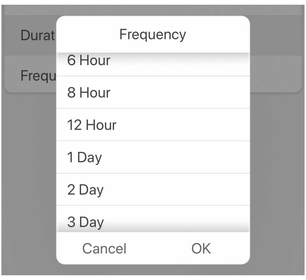
Move up and down to select the duration then confirm



Tap *"Frequency"*. You can select how many times per hour, or day your want to do water in

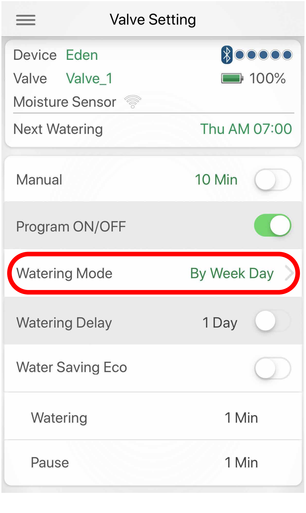


Select the desired Frequency then *"Confirm"* Depending the operating system of your phone, tap *"Back"* to go to previous setting

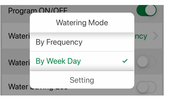


Tap the Watering mode > to change the watering mode to *"By Week Day"*

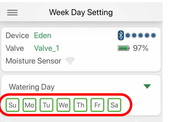
By week day allows you to have the valve run once every day or every other day



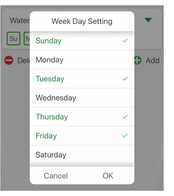
Change the watering mode to *"By Week Day"*, then tap Setting



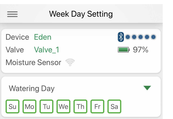
Tap any place in *"Watering Day"* or > to select the day you wish to watering

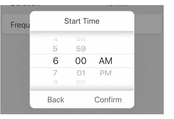


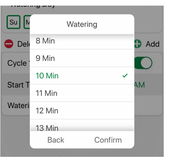
Select or Deselect the day, then *"Confirm"*. The selected day will be enclosed by a square box



Add cycle *(up to 30 watering cycles)*, select desire start time and watering duration.

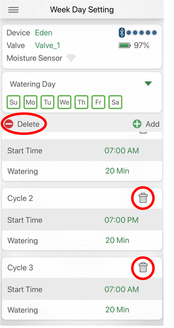




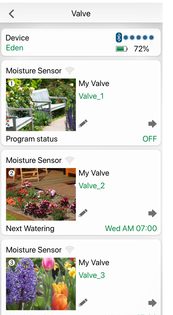


Delete cycle if it is needed by tapping the Delete Key, then select the trash bin of the cycle you want to remove.

**Caution, once it is deleted, it will be removed permanently from the setting. You will need to reprogram it again.*



Once programming is completed review the main value dashboard which shows all the values status. Your scheduling should show the next watering schedule and other info.



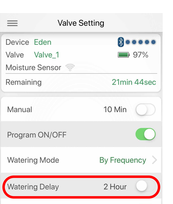
Watering Delay Function:

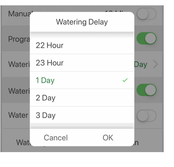
If there is rain in the forecast and you wish to temporarily stop watering, set the *"Water Delay"* by swiping the bar to the right then tap the *"Water Delay"* key.

Water Delay mode will stop all watering for up to 7 days

After the delay period, the watering program will begin to run automatically.

You can turn off the rain delay function at anytime by swiping the bar to the left





Set Eco Water Saving:

Set Eco function by sliding the bar to the right.

The Eco Function creates a pause in the watering cycle, which provides absorption time for the soil. It can also prevent water run-off

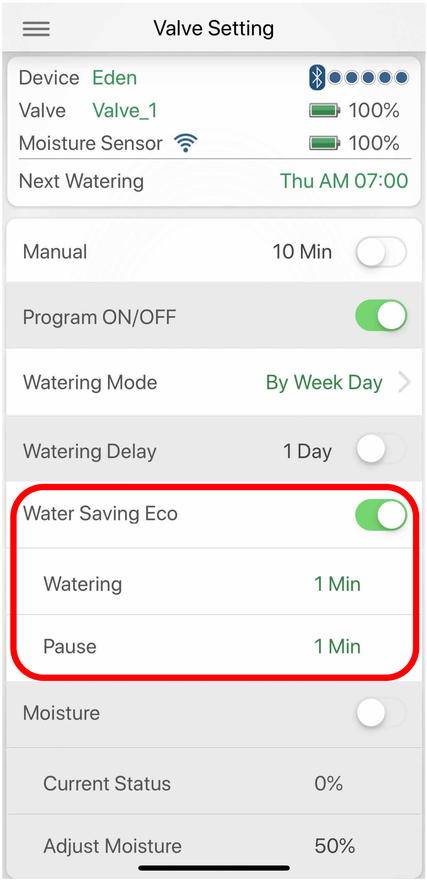
Set the water duration and pause duration according to the watering needs.

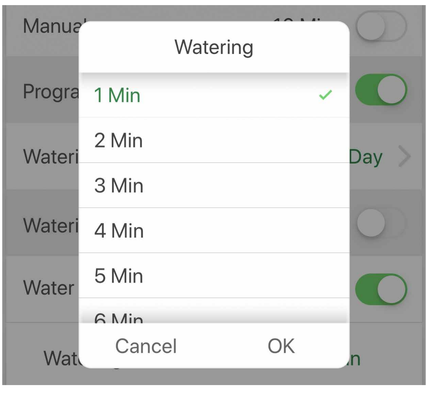
"Water Min" and "Pause Min" can be customized according to different watering applications (ie: irrigation or lawn & garden), landforms (ie: at or mountain slope) and soil density (ie: high as soil or low as sand). 3. Examples and suggestions as below:

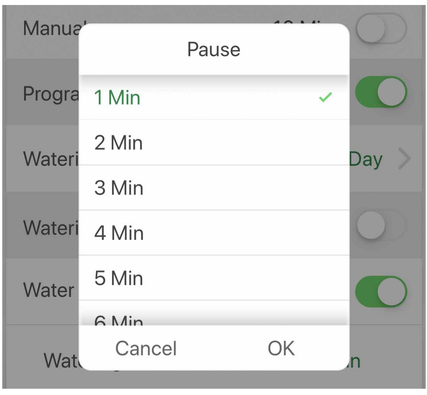
A. *Irrigation: Water 5 MIN PAUSE 2 MIN*
B. *Lawn: Water 4 MIN PAUSE 1 MIN*
C. *Lawn slope: Water 2 MIN PAUSE 2 MIN*

Note: you can skip this setting if no needed.

Note: once the ECO function is activated, the set intervals is applied on all the set water cycles







Bluetooth® Moisture Sensor Pairing :

You can add Moisture Sensor (not included) to pair with your Bluetooth® Timer.

The moisture sensor can be used to reduce your water use. Pairing can only be done with one zone at a time.

First, obtain 2 fresh AAA alkaline batteries and insert them into the battery tray of the sensor. Once they are inserted, press the yellow button on your sensor for about 5 seconds to start the pairing with the timer. Press the co-ordinating zone button on your timer for 5 seconds. You will notice on your timer that the sensor has been paired. The indicator light will flash blue. Repeat this step for every sensor you want to add for the rest of valves.

Then place the sensor into the soil at the location you want to monitor the moisture from. The sensor will show the moisture levels after a few minutes have expired.

Additional sensors can be added for multi zoned timers using the same above instructions.

Moisture Sensor Spec:

Model: 25417

Range:
100 ft.(30 meters)
without interference

Temperature Operating:
32 - 110˚ F (0 - 45˚ C)

Operating Frequency:
915 (N.Amer.) / 868 (EU) MHz

Max Power: < 10 dbm

For outdoor use with cold water only!
Not for use with household appliances
Do not mix Alkaline, carbon-zinc, or rechargeable batteries
Used or dead batteries must be removed from the timer and disposed properly

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by our Yuan Mei Corp. could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

To comply with FCC RF exposure requirements, the device and the antenna for this device must be installed to ensure a minimum separation of 20cm or more from a person's body. Other operating configurations should be avoided.

CAN ICES-3 (B)/NMB-3(B) Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

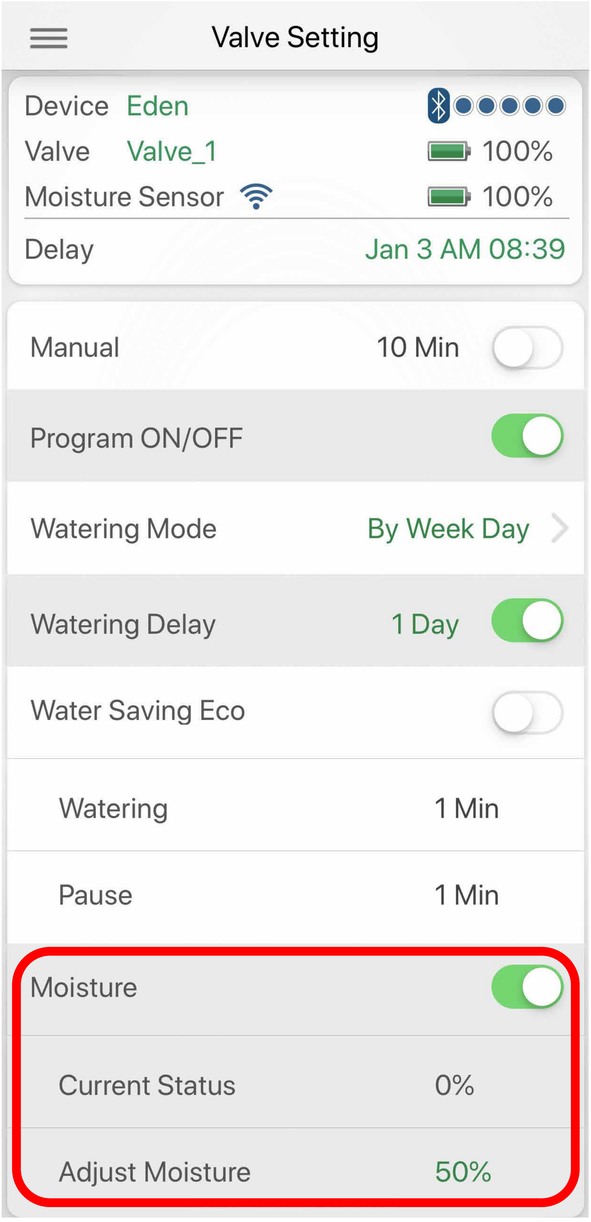
Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf

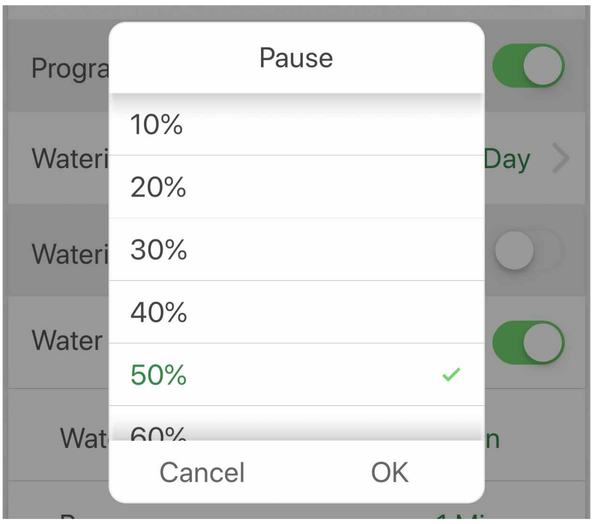
Set Moisture Levels:

You can setup the moisture levels according to your soil requirement. 10% increments are selectable up to 100%.

The current status will be shown once a Bluetooth® moisture sensor is connected. Please wait three minutes to receive a sensor reading.

Noted that more Moisture Sensors are connected to the timer, the more battery use will be used. The center light is a battery indicator. If it is flashing red, change the batteries.

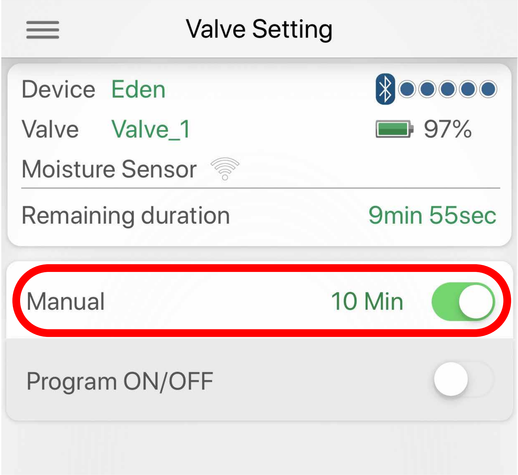




Manual Watering:

This Bluetooth® timer has the ability to allow you to manually water without interrupting the programming schedule. There are 2 ways of activating this function.

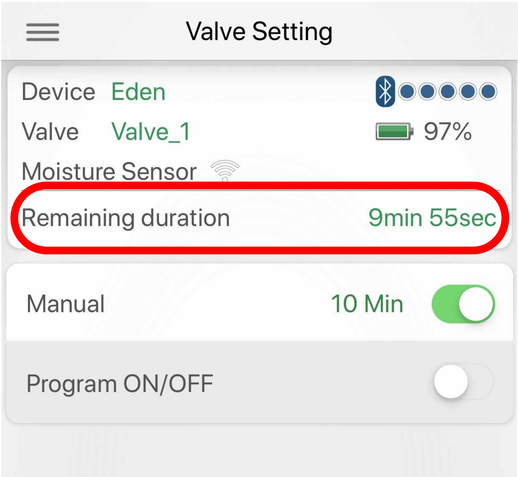
1) You can actiavte the manual function by swiping the "Manual" bar to turn on:

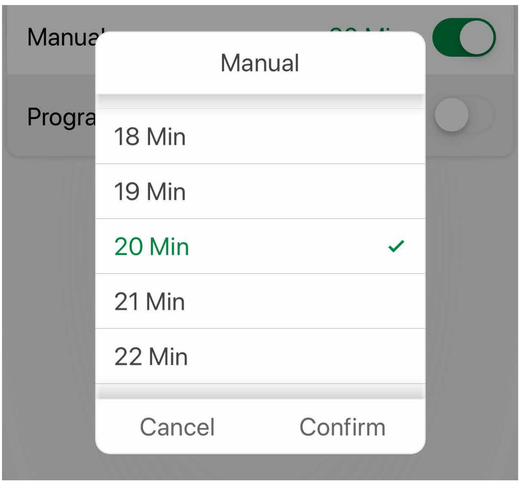


or 2) any of the four red buttons of the timer can be pushed to allow for manual watering use. Push the corresponding water circuit you want to activate manual watering for 1 or 2 seconds then release. You will hear the circuit valve open. Water will start to flow according to the time setup in the manual programming settings.

When you want to stop the manual cycle, press the circuit button once more or swiping "Manual" to the right in the App to deactive the manual watering.

Once the manual function is turned on, the App will show Manual Remaining Duration how many minutes left.

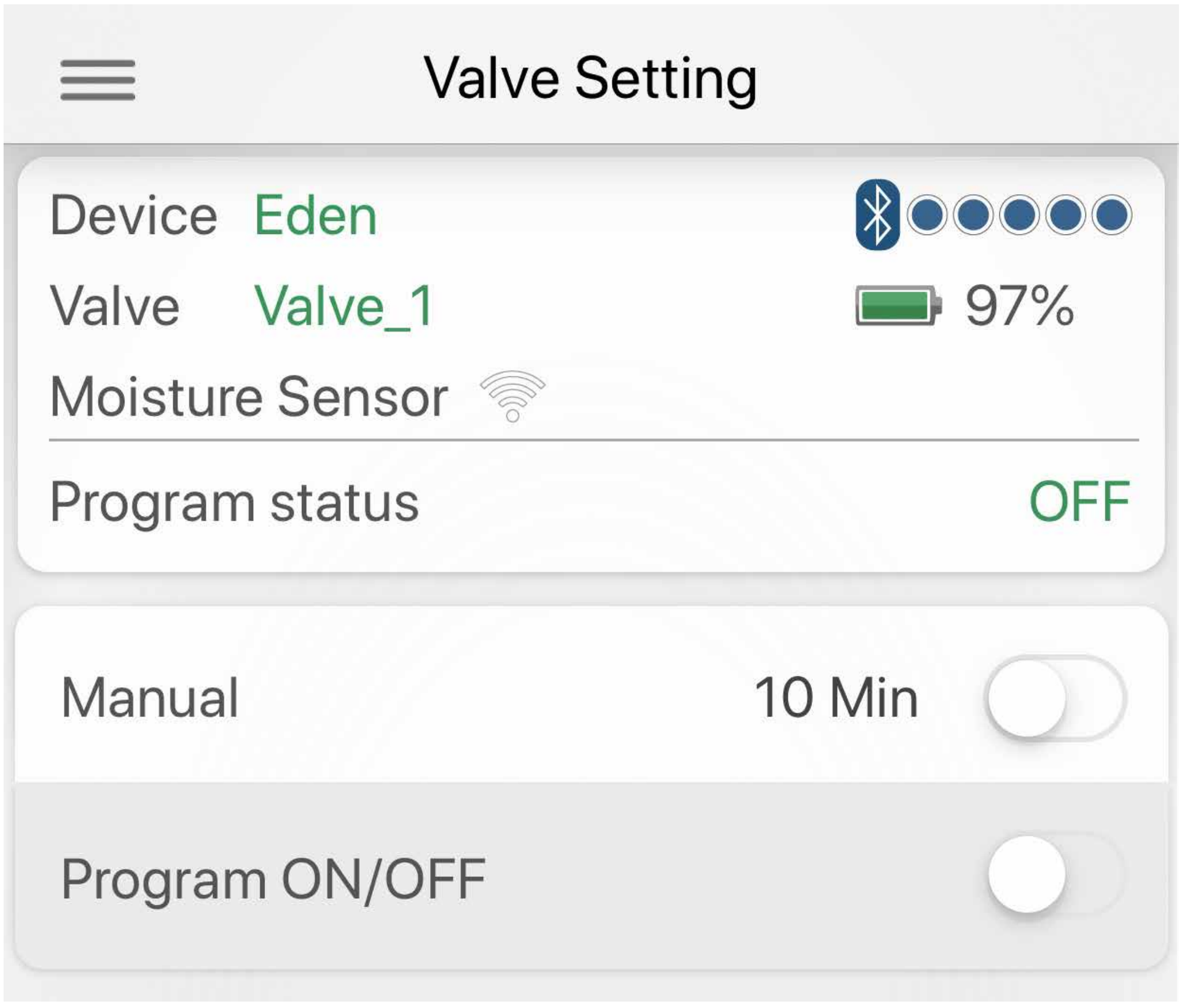




Off Mode:

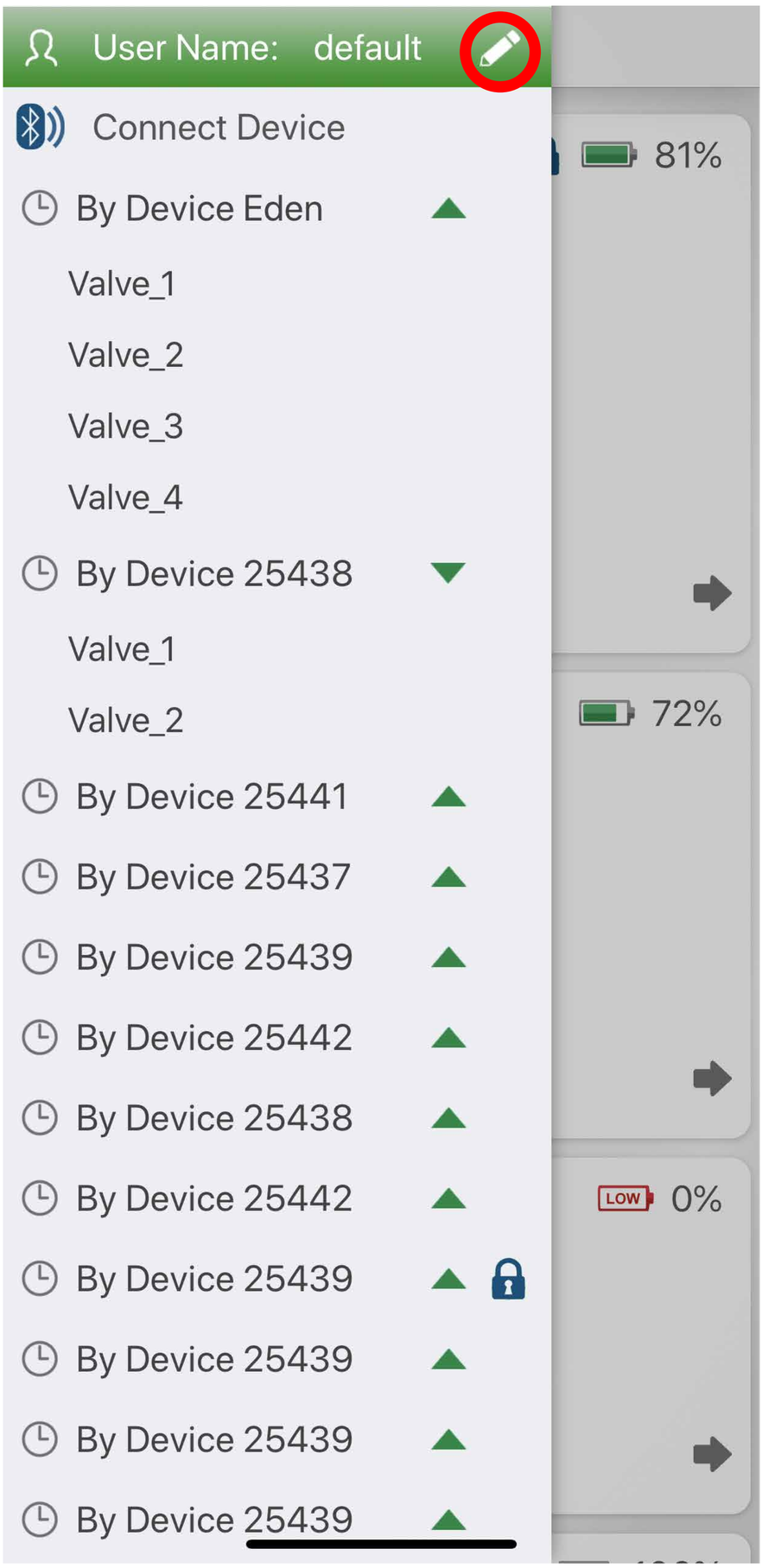
If you wish to stop watering for an extended period, swipe the bar to the left of "Program" . The timer will not water automatically while in this mode. The program status will display the word "Off".

To start watering automatically again, simply turn the program on again.



Quick Access:

You can access your device or valve setting more rapidly by tapping the top left corner ☰ to change their settings the individual device settings



Useful Tips:

Seasonal storage:

Freezing temperature can cause timer to freeze and expand, damaging the timer. At the end of the season or when there is frost in the forecast, remove your timer from the faucet, remove the batteries and be sure store the timer indoor, away from freezing temperatures.

Tips for Battery:

- Ensure to use fresh Alkaline batteries
- Do not use rechargeable or any other type of batteries
- Remove the batteries at the end of the season before storing
- Batteries should last about one season. A schedule with more frequent watering times can cause the batteries to drain faster

Understanding Zones:

- This is four zone timer allowing you to water four different areas from the same faucet. Each zone can be programmed with different start time.
- Do not run two zones at the same time as this will reduce your water pressure flow.
- When using additional external sensors, it is advisable to check the batter levels on a monthly basis.

Contact Us:

ADD :

No.21, Ln. 409, Sec. 1, Luhe Rd. Lukang Township,
Changhua County Taiwan (R.O.C.) 50547

TEL : 886-4-7775096
FAX : 886-4-7783107
E-MAIL : support@yuanmei.tw