YOLINK

User Guide

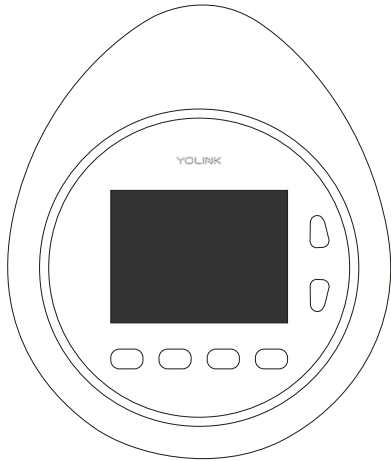YS4102-UC

Smart Sprinkler Controller
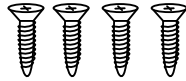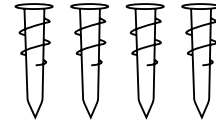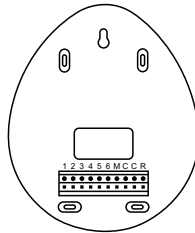
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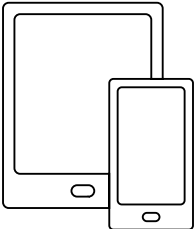Drywall Anchor * 4

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Product Required (not included)

YoLink Hub
(Connecting to internet)

A smartphone or tablet
(running iOS 9.0 or higher;
Android 4.4 or higher)

Screwdriver

OR

Electric Screwdriver
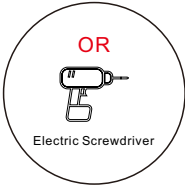
Introduction

YoLink Smart Sprinkler Controller replaces old controller, just a tap of the button on the device or YoLink App lets you remotely access, change or set your watering schedules at anytime anywhere. Only 2 schedules per day in weekly for 4 seasons are allowed. Maximum 6 zones and 1 master valve (not all systems have a master valve) can be connected to Smart Sprinkler Controller. The sprinkler controller will run watering zone by zone from 1 to 6.
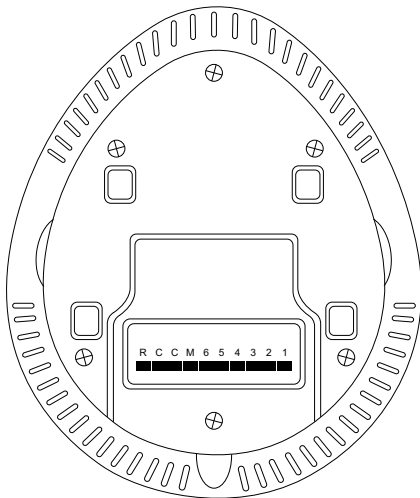
R: Live wire; C: Common wire
M: Master valve; 1-6: Zone wires
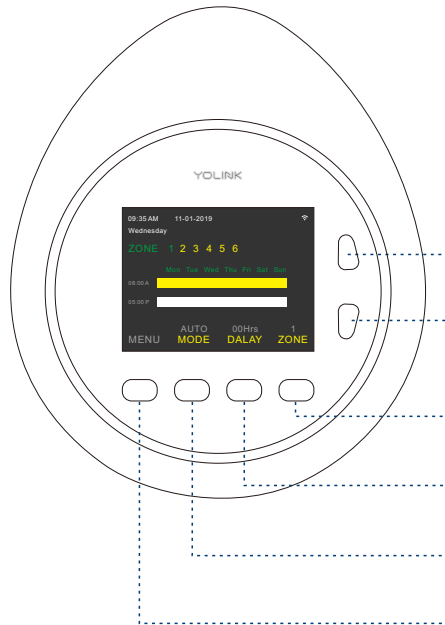
SWITCH BUTTON

ZONE
Switch zones' watering progress

DELAY
Delay watering

MODE
Switch different mode: Auto, Manual, Off

MENU
All settings

Features

Control from anywhere - Control your Smart Sprinkler Controller remotely via YoLink App on your iOS or Android device.

Schedule - Automatic watering at a certain time.

Manual - Manual watering at one time.

Delay - Will not run watering during delay time.

ECO - Automatically delay watering in rainy days according to the ECO setting.

Automation - Set up rules for "If this then do that" function via YoLink App. If the triggered condition is met, then action device will run automatically according to the setting.

Voice Control - Use Alexa or Google Assistant to control your devices with voice commands.

Set Up Smart Sprinkler Controller

Follow the steps below to set up your Smart Sprinkler Controller via YoLink App.
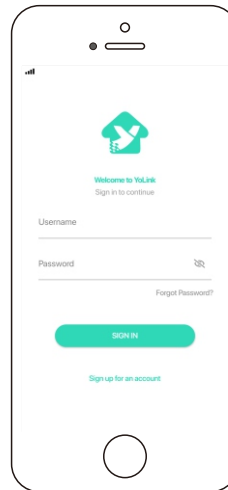
Step 1: Set up YoLink App

- Download the YoLink App from the Apple App Store or Google Play.

Step 2: Log in or sign up with YoLink account

- Open the App. Log in your YoLink account.

- If you don't have a YoLink account, tap **Sign up for an account** and follow the steps to sign up an account.

Step 3: Add device to YoLink App

- Tap the " ⊟ " in YoLink App. Scan the **QR Code** on the controller.

- You can customize the name, set the room, add to/remove from favourite.

  a. Name - Name Smart Sprinkler Controller.

  b. Room - Choose a room for Smart Sprinkler Controller.

  c. Favourite - Click " ♡ " icon to add/remove from Favourite.

- Tap the "Bind Device" to add the device to your YoLink account.

Note

- Please add your Smart Sprinkler Controller to YoLink App first **before** you install it.
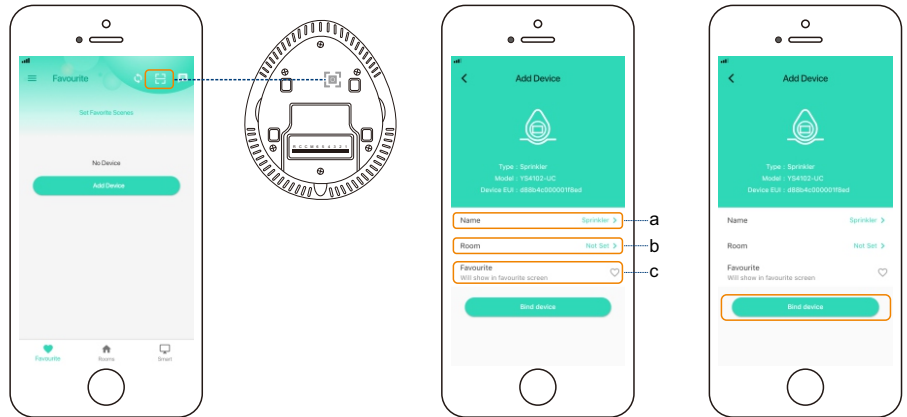
Step 4: Connect to the cloud

- Power on the Smart Sprinkler Controller and your device will connect to the cloud automatically.

Note

- Make sure your hub is connected to internet either wired or wireless.

Internet

Cloud
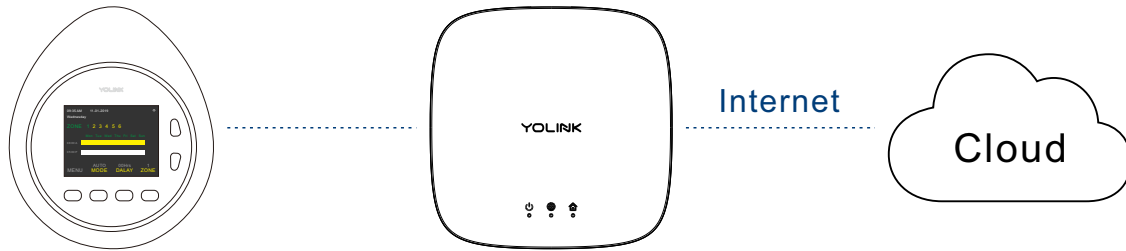
Install the Smart Sprinkler Controller

Step 1: Turn off power

● This protects you and avoids blowing a fuse in your equipment. Press any button on your old sprinkler controller to make sure your system is off.
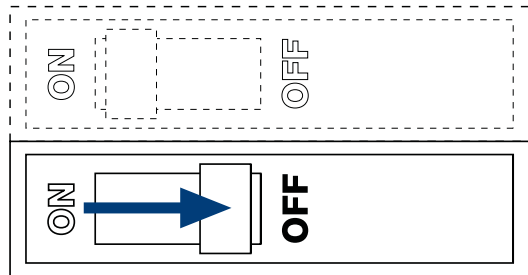
Turn off the power

Step 2: Remove the old

● Photograph the wiring inside your existing controller to reference during installation. Remove your old controller from the wall.
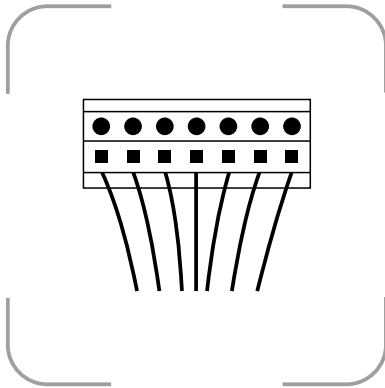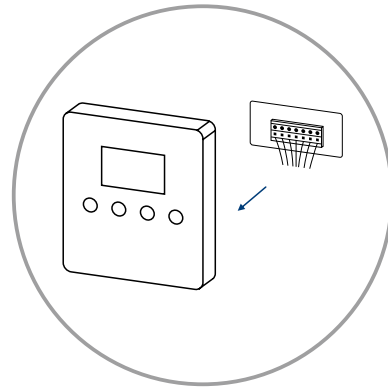
Photograph wiring   Remove the old

Step 3: Mount the backplate

- Mount the backplate by screwing it onto the wall using the provided screws. Wall anchors are included for drywall.
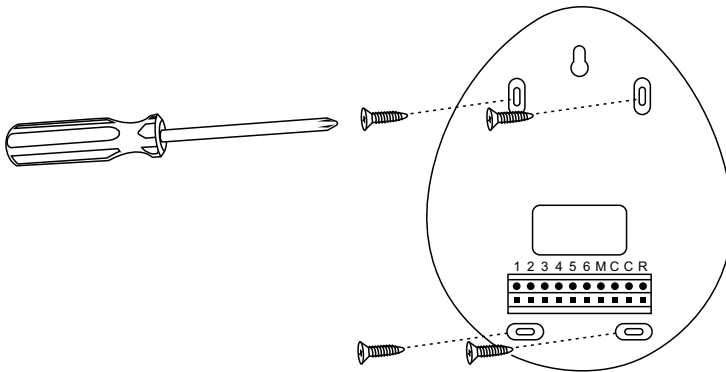
Mount the backplate
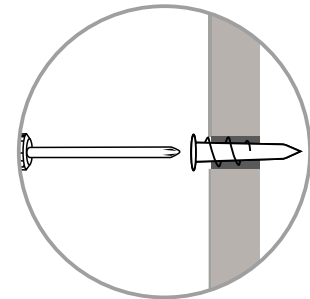
Wall Anchors
(Drywall installs)

Step 4: Connect your wires

- While referencing the photo of your previous wiring, insert the wires into the appropriate terminals.

- Connect the wires in ordered to make sure your controller works well.

  R - Live Wires. Live Wires are often labeled "R" or "Live". You can insert them into any of the "R" terminals.

  C - Common Wires. Common wires are often labeled "C" or "Com". You can insert them into any of the "C" terminals.

  M - Master Valve. Not all systems have a master valve. Master valve wires are often labeled "M," "MV," or "Pump." If you have a master valve, wire it into the "M" terminal.

  1-6 - Zone Wires. Zone wires correspond to your landscape's zones. Insert them into the numbered terminals.

Wiring diagram

24V AC
Output

24V AC Common Wire (C)

24V AC Live Wire (R)

Common Wire (C)

1 2 3 4 5 6 M C C R

Zone 1 (1)

Zone 2 (2)

Zone 3 (3)

Zone 4 (4)

Common Wire (C)

Master Valve (M)

Zone 6 (6)

Zone 5 (5)
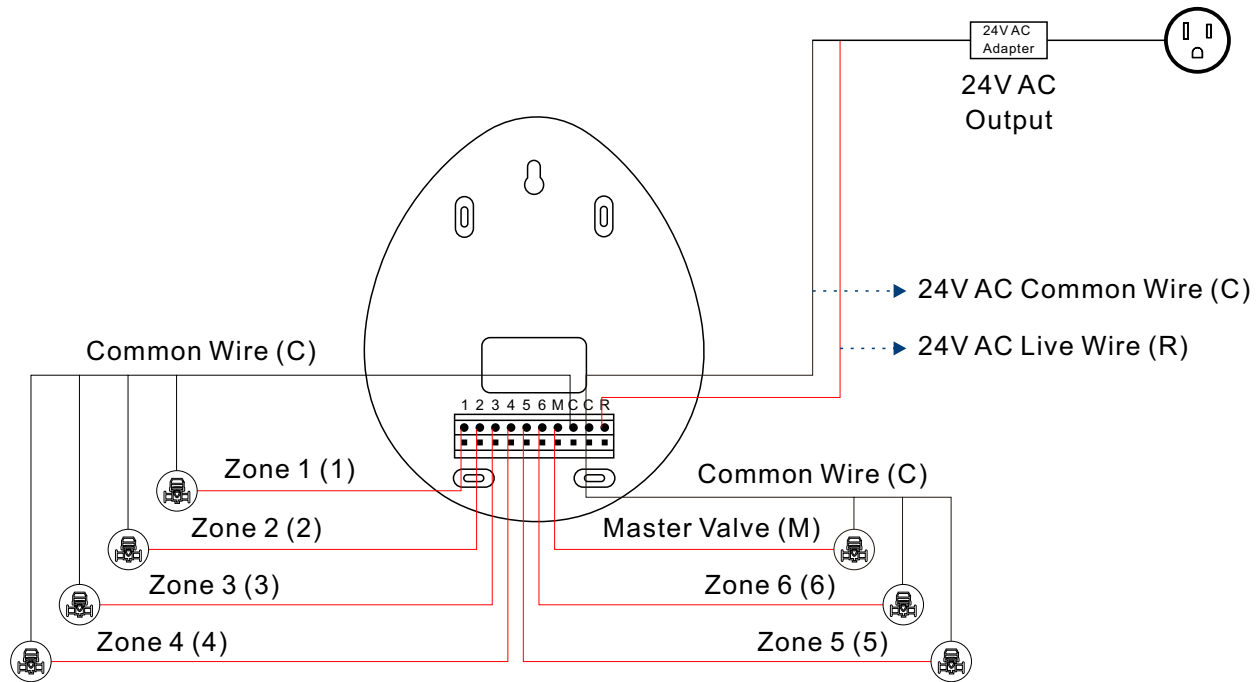
24V AC
Adapter

Step 5: Install the new and turn on power

● Gently push the new, wired sprinkler controller back onto the backplate and turn power on.

Note

● Only 24V AC power access is supported.

Install the new

Turn on the power

Using YoLink App with Smart Sprinkler Controller

Controls

- Show you the current watering mode and progress of watering for each zone.
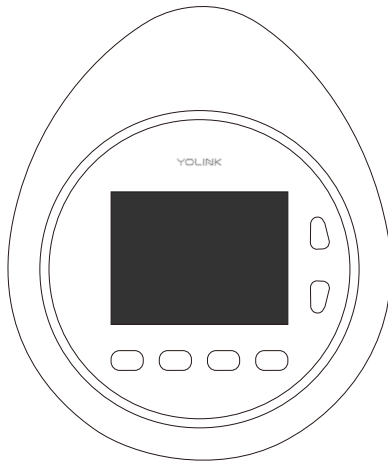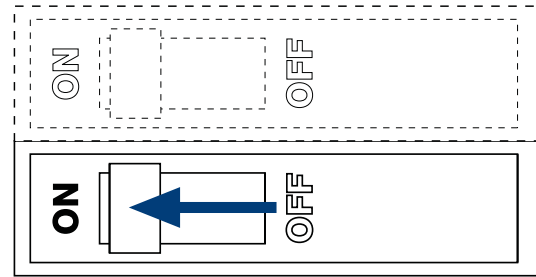
- There will be a green leaf on the screen when ECO mode is on.
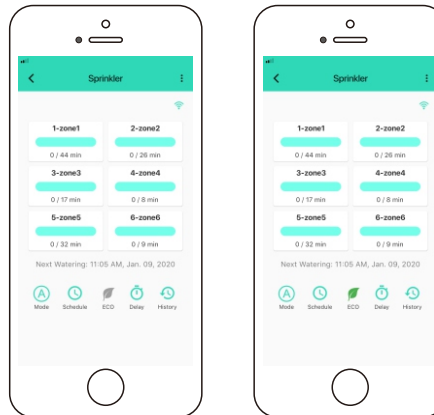
Details

You can customize the name, set the room, watering time max or manual watering time, add to/remove from favourite, check device history.

a. Name - Name Smart Sprinkler Controller.

b. Room - Choose a room for Smart Sprinkler Controller.

c. Manual Watering Time - Set manual watering time for each zone.

d. Favourite - Click " ♡ " icon to add/remove from Favourite.

e. History - Check the history log for the Smart Sprinkler Controller.

f. Delete - Current device will be remove from your YoLink account.

- Tap the "Smart Sprinkler Controller" in App to go to its controls.
- Tap the " ⋮ " icon at the top-right corner to go to details.
- Tap the icon for each of the settings you want to personalize.
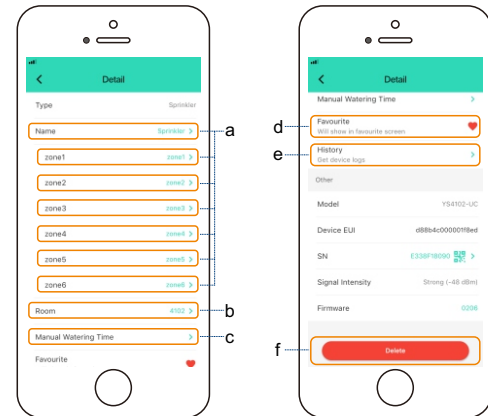
Mode

You can set watering mode according to your need.

- Tap the "Smart Sprinkler Controller" in App to go to its controls.

- Tap "Mode" to switch mode: Auto, Manual, Off.

  a. Auto - Display the latest watering and next watering schedule.

  b. Manual - Display the manual watering schedule.

  c. Off - Display no watering schedules.
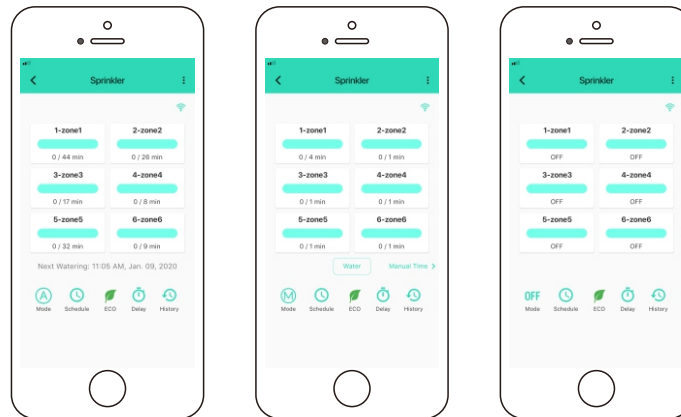
Schedule

You can set 2 schedules per day in weekly for each season.

- Tap the "Smart Sprinkler Controller" in App to go to its controls.

- Tap "Schedule" and select "Edit Schedule" to open the Edit Schedule screen.

- Within the schedule screen, set start date and two watering time a day for the season, duration of watering, and repeating frequency.

- Swipe left each schedule to edit it.

- Tap " ✓ " icon to save settings.

Note

- All the schedules will be able to work without internet.
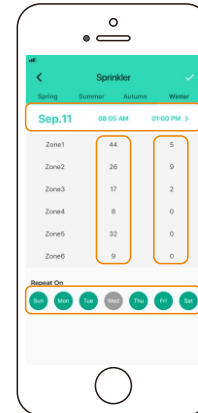
Delay

Delay watering is available only in auto watering mode. Sprinkler controller will not run schedules during the delay time. You can set delay time according to your need.

● Tap the "Smart Sprinkler Controller" in App to go to its controls.

● Tap "Delay" to set delay time.

Note

● You can cancel delay settings by reset delay time into 0 hour.
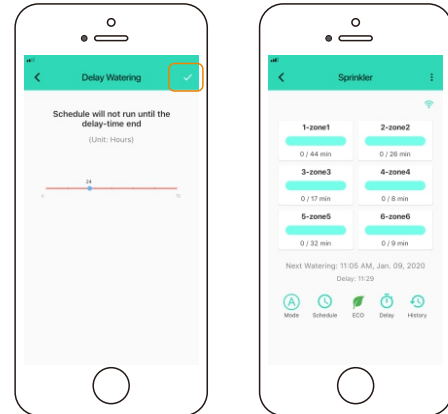
ECO

ECO will help you to save money by delay watering automatically if it rains in the day with **one hour** local weather checks.

- Tap the "Smart Sprinkler Controller" in App to go to its controls.

- Tap "ECO" to open the ECO screen.

- Click " ⬤◯ " icon to activate/deactivate ECO mode.

- Swipe up and down delay time to edit it.
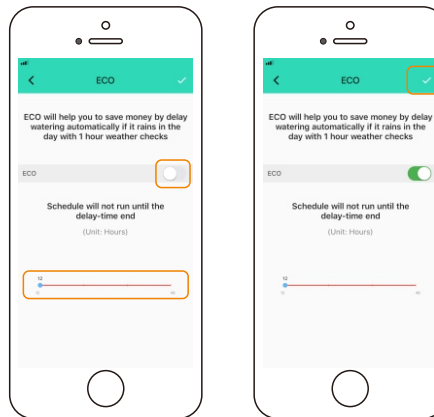
Automation

Automation allows you to set up "If this then do that" rules so the devices could act automatically.

● Tap "Smart" to switch to Smart screen and tap "Automation".

● Tap " + " to create an automation.

● To set an Automation, you will need to set a trigger time, local weather condition, or choose a device with certain stage as a triggered condition. Then set one or more devices, scenes to be executed.

Note

● Only when the triggered condition is set to be rain, then you can set the action as delay watering time for the Smart Sprinkler Controller.
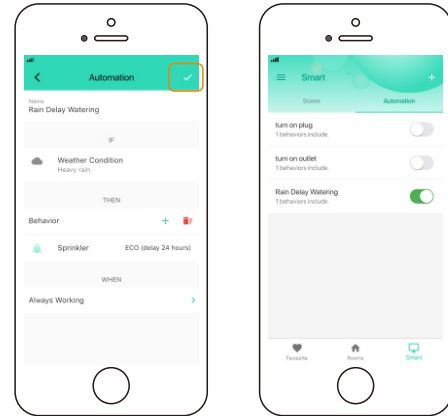
Set the Smart Sprinkler Controller

HOME

Display the date & time, network signal, available zones, watering days, watering time, running mode and delay watering time.

MENU

You can set watering setting, date & time, season define, display, factory reset, and check device information.

a. Watering Setting - Set zone max, watering time max, watering days, watering time and manual watering time.

b. Date & Time - Set time for your sprinkler controller.

c. Season Define - Set start date for each season.

d. Display - Set background color, brightness or backlight timeout.

e. Factory Reset - Factory reset you sprinkler controller, or reset the network connection.

f. About - View information about YoSmart Inc. and your sprinkler controller.

- Tap MENU to open MENU screen.
- Tap " ▲ " and " ▼ " to switch menu.
- Tap ENTER to enter the menu screen. Tap BACK to back to the HOME screen.

Watering Setting

a. General - Set the number of available zone (1-6, default is set to be 6), maximum watering time (0-99 minutes, default is set to be 60 minutes).

- Select Watering Setting, tap ENTER to enter the Watering Setting screen.

- Select General, tap ENTER to enter the General screen.

- Tap " ▲ " and " ▼ " to switch settings.

- Tap " + " and " − " to adjust values.

- Tap DONE to save the setting. Tap BACK to cancel the setting.

b. Watering Days - Enable or disable watering schedules at the day in the season.

- Select Watering Setting, tap ENTER to enter the Watering Setting screen.

- Select Watering Days, tap ENTER to enter the Watering Days screen.

- Tap " ◄ " and " ► " to switch settings.

- Tap " Y " and " N " to adjust values.

- Tap DONE to save the setting. Tap BACK to cancel the setting.
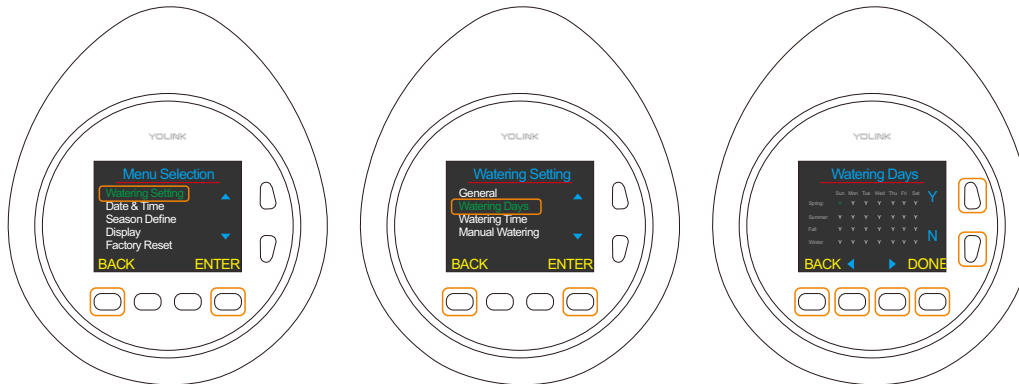
c. Watering Time - Set 2 schedules per day for each zone in each season.

- Select Watering Setting, tap ENTER to enter the Watering Setting screen.

- Select Watering Time, tap ENTER to enter the Watering Time screen.

- Tap Zone to switch zones.

- Tap " ◀ " and " ▶ " to switch settings.

- Tap " + " and " − " to adjust values.

- Tap DONE to save the setting.

Note

- Start times can be only set in Zone1.
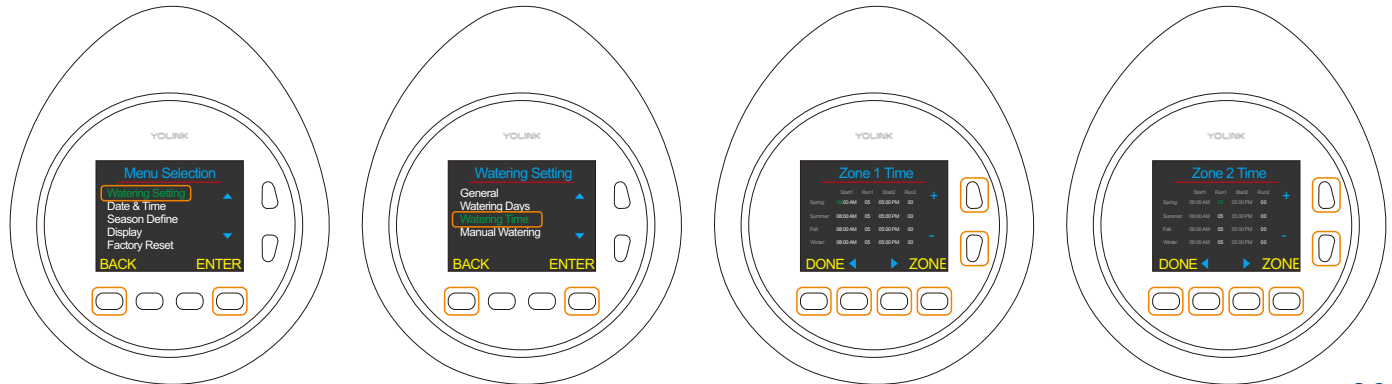
d. Manual Watering - Set manual watering time for each available zone.

- Select Watering Setting, tap ENTER to enter the Watering Setting screen.

- Select Manual Watering, tap ENTER to enter the Manual Watering screen.

- Tap " ▲ " and " ▼ " to switch settings.

- Tap " + " and " − " to adjust values.

- Tap DONE to save the setting.

Note

- You can set the manual watering time when the Manual watering is executing.

Date & Time

You can set time for your sprinkler controller. When auto update is on, date & time will update automatically. When auto update is off, date & time will run according to your settings.

- Select Date & Time, tap ENTER to enter the Date & Time screen.

- Tap " ◀ " and " ▶ " to switch settings.

- Tap " + " and " − " to adjust values.

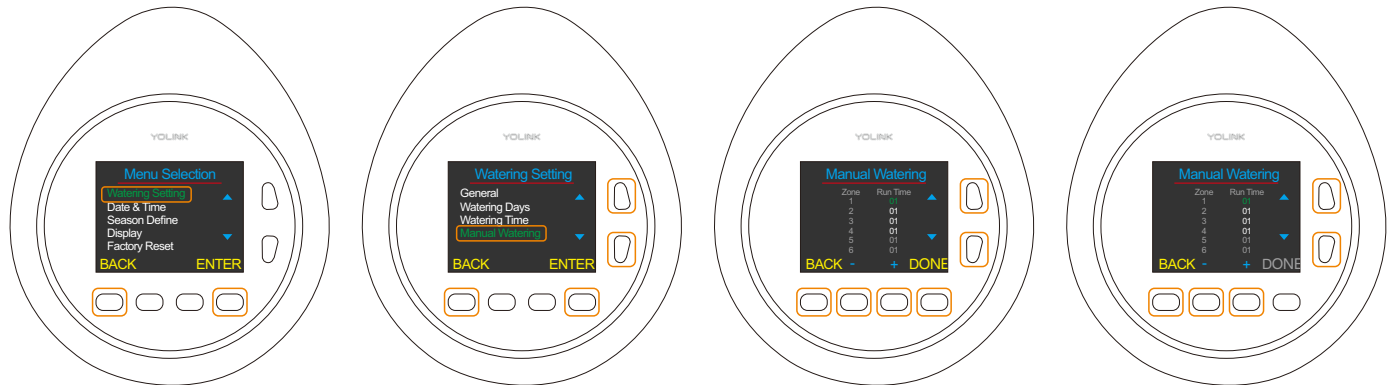- Tap DONE to save the setting. Tap BACK to cancel the setting.

Note

- Time and Date can be only set when Auto update is set to be NO.
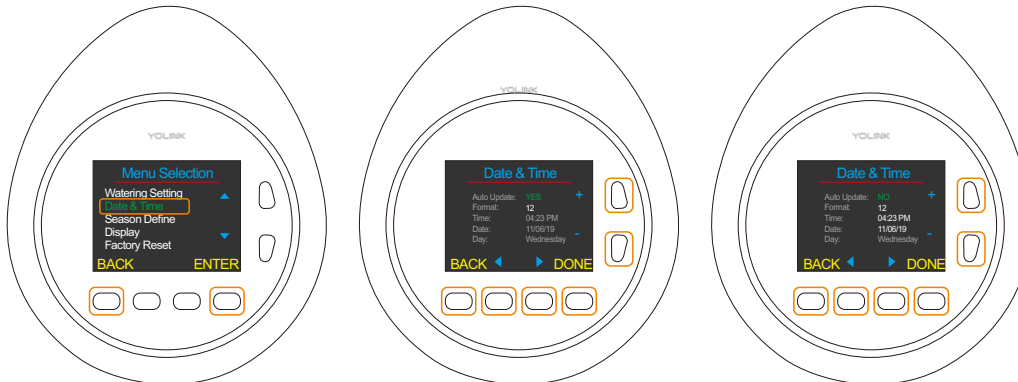
Season Define

You can set start date for each season.

- Select Season Define, tap ENTER to enter the Season Define screen.

- Tap " ◀ " and " ▶ " to switch settings.

- Tap " + " and " − " to adjust values.

- Tap DONE to save the setting. Tap BACK to cancel the setting.

Display

You can set BG color, brightness or BL timeout.

- Select Display, tap ENTER to enter the Display screen.

- Tap " ▲ " and " ▼ " to switch settings.

- Tap " + " and " − " to adjust values.

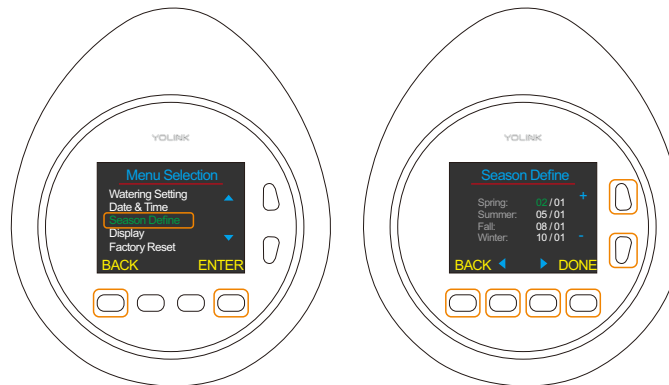- Tap DONE to save the setting. Tap BACK to cancel the setting.
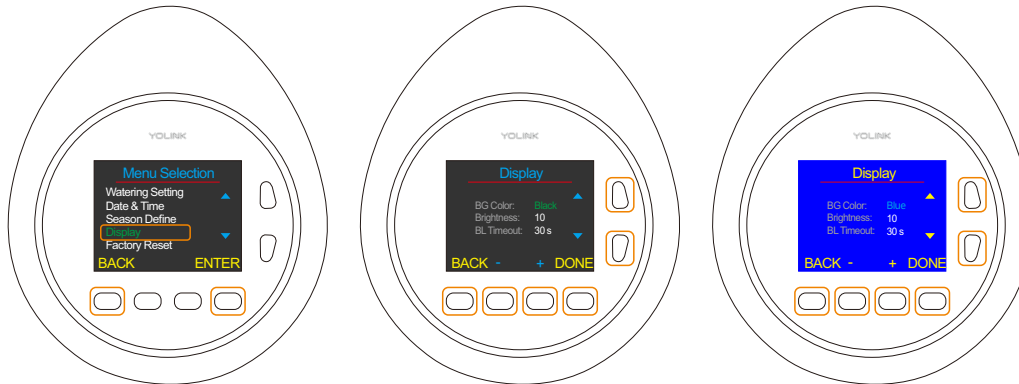
Factory Reset

Factory reset will erase all your settings and bring it back to default. After the factory reset, your device will still in your Yolink account.
Network reset will manually let your device connect to the cloud.

- Select Factory Reset, tap ENTER to enter the Factory Reset screen.

- Tap " ▲ " and " ▼ " to switch settings.

- Tap ENTER to enter Factory Reset.

- Tap DONE to confirm the setting. Tap BACK to cancel the setting.
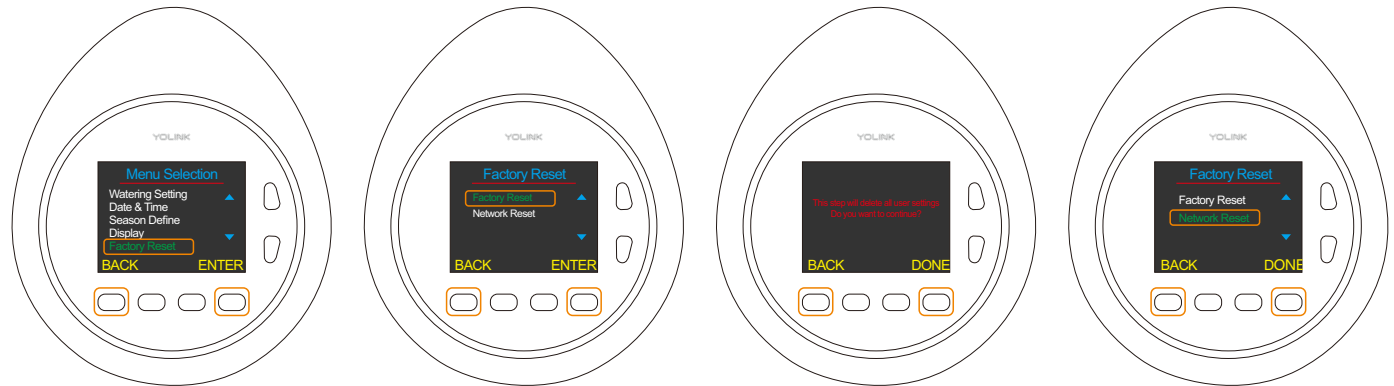
About

Display information about YoSmart Inc. and your sprinkler controller.

- Select About, tap ENTER to enter the About screen.

- Tap " ▲ " and " ▼ " to switch settings.

- Tap BACK to back to MENU.
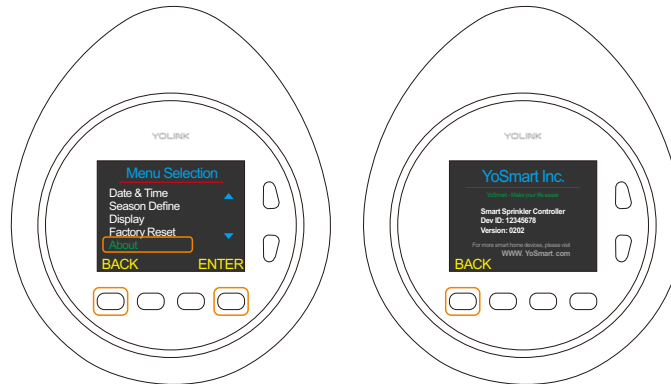
MODE

You can set watering mode according to your need.

a. Auto - Auto watering according to watering settings.

b. Manual - Manual watering and setting.

c. Off - Will not watering automatically or manually.

● Tap MODE to switch watering mode.

DELAY

Delay watering is available only in auto watering mode with 7 delay watering options. No watering will be carried out during delay time.

● Tap DELAY to switch delay watering time.

ZONE

Switch to view watering progress for each zone.

- Tap ZONE to switch zone.

Maintaining the Smart Sprinkler Controller

Firmware Update

To ensure our customer have the best user experience, we highly recommend you could update our newest version firmware.

- Tap the "Smart Sprinkler Controller" in App to go to its controls.

- Tap the " ⋮ " icon at the top-right corner to go to details.

- Tap "Firmware".

- You can check the firmware version for whether the Smart Sprinkler Controller is updated.

Note

- Only the Smart Sprinkler Controller that is currently reachable and has an available update will be shown on the Details screen.
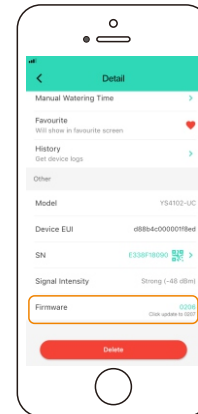
Factory Reset

Please refer to the **Factory Reset** in Set the Smart Sprinkler Controller part.

Specifications

Voltage:	24V AC
Environment:	Working Temperature: -10°C~50°C (14°F~122°F)
	Working Humidity: 0%~100% non-condensing

Troubleshooting

Problem	Possible Reason	Solution
Smart Sprinkler Controller is offline.	Hub is offline.	Please reconnect your hub to the Internet and refer to the **Factory Reset** in Set the Smart Sprinkler part to manually let your device connect to the cloud if your sprinkler controller is failed to connect to the cloud automatically.
	Hub is powered off.	Please power on the hub again and refer to the **Factory Reset** in Set the Smart Sprinkler part to manually let your device connect to the cloud if your sprinkler controller is failed to connect to the cloud automatically.
	Smart Sprinkler Controller does not power on.	Please power on the Smart Sprinkler Controller.
	Please contact customer service.	
Other problems.	Please contact customer service.	

WARNING

- This product is powered by AC24V only. Please do not connect the product to the high or wrong voltage.

- Keep away from high temperature or fire.

- Keep away from dusty, wet or dirty.

- This product is not waterproof, please keep it dry.

- To avoid dust entering the product and affect the usage of the product, do not use strong chemicals or cleaning agents to clean this product, please use a clean, dry cloth to wipe this product.

- Keep the product from strong shocking, so as not to damage the product.

- Do not disassemble or modify this product by yourself. In case of equipment failure, please contact our customer service.

- Keep away from screws or metals to avoid possible result in circuit damage of the product .

If you are unable to get your smart sprinkler controller working
Please contact Our Customer Service during business hours

US Live Tech Support: 1-949-825-5958 M-F 9am - 5pm PST
Email: support@YoSmart.com
YoSmart Inc. 17165 Von Karman Avenue, Suite 105, Irvine, CA 92614

WARRANTY 1 Year Limited Electrical Warranty

FCC Statement

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.

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.

2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."