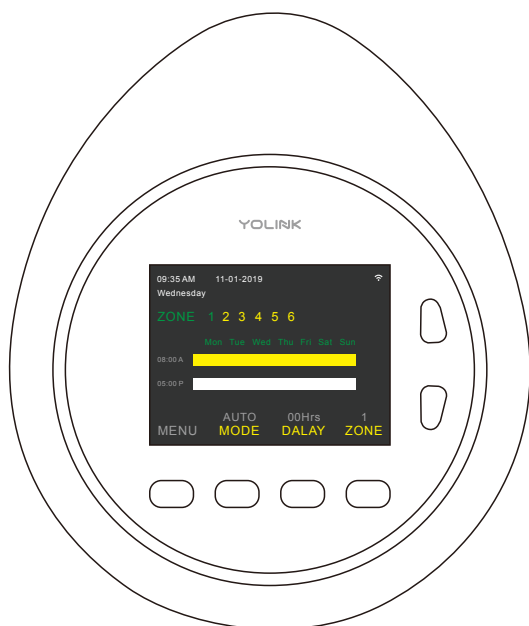




Smart Sprinkler Controller

YS4102-UC



Installation & User Guide

Revision Jun. 02, 2026

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A Welcome

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!

YoLink Customer Support

User Guide Conventions

The following icons are used in this guide to convey specific types of information:



Very important information
(can save you time!)



Good to know info but may not
apply to you

B Before You Begin

Visit our Sprinkler Controller support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS4102-UC>

Or by scanning the QR code:



Download the most current version of the user guide by scanning the QR code:



B Before You Begin, Continued



Your Smart Sprinkler Controller connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required.

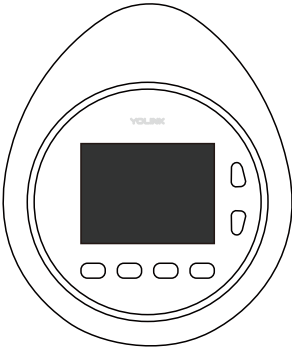
This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).



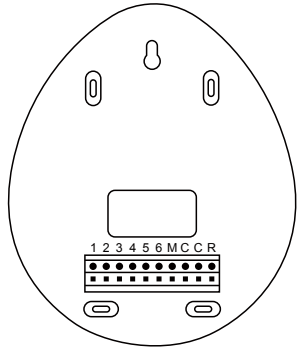
The Smart Sprinkler Controller is intended to replace an existing sprinkler controller. A 1 amp 24VAC transformer or power supply is required, but not included.



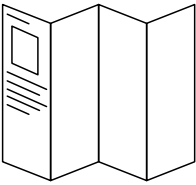
In the Box



Smart Sprinkler Controller



Base

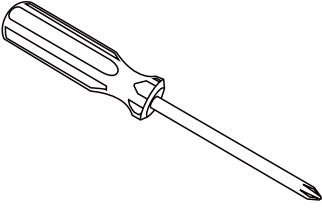


Quick Start Guide

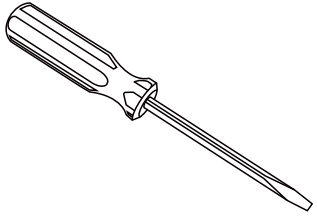


Wall Screws (4) &
Drywall Anchors (4)

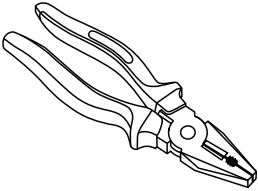
D Required Items



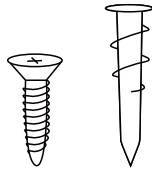
Medium Phillips Screwdriver



Extra Small Straight Screwdriver



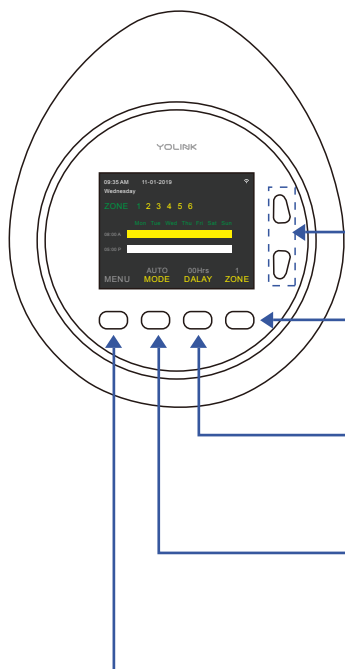
Wire Strippers or Cutters



Wall Anchors

E

Get to Know Your Sprinkler Controller



Navigate Button

Zone Button

Switch to view watering process for each available zone

Delay Button

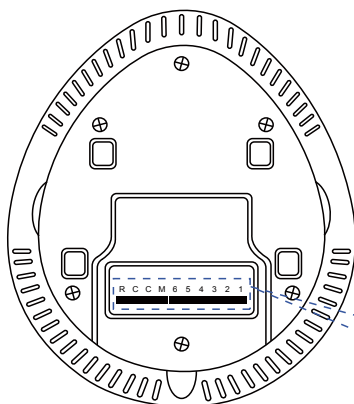
Switch to delay upcoming watering times

Mode Button

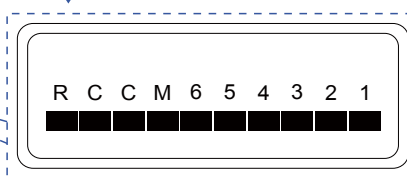
Switch between 3 Watering Modes (Auto, Manual, Off)

Menu Button

Access to all Settings



R: Live wire;
C: Common wire
M: Master valve;
1-6: Zone wires



Get to Know Your Sprinkler Controller, Continued

MODE (Mode)

AUTO: Auto watering according to the schedule(default)

MANUAL: Manual watering

OFF: System is off

Current time

12-hour format or 24-hour format

Current day

Current date

6 Zones

* Green: Current zone of the displayed watering process

Green & Yellow: The zone is available

Grey: The zone is unavailable

Connection status

of sprinkler controller and hub:

* White: connected; Red: disconnected

Watering days

* Green: Device will water at the day

Grey: Device will not water at the day

Start watering time and process of the current zone in a day

* Yellow: Watering time is greater than 0

White: Watering time is 0

Green: Current zone is watering or finished watering

ZONE (Zone)

Current zone of the displayed watering process

DELAY (Delay) (run only once)

Delay watering is available only in auto-watering mode. No watering will occur automatically during the delay time

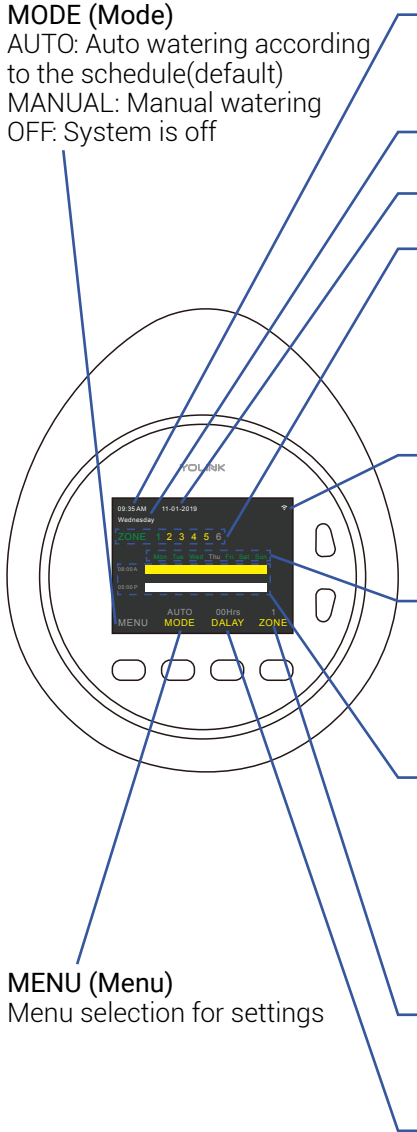
* Options: 00 / 12 / 24 / 36 / 48 / 60 / 72 hours, default is 0 hours

Count down every hour if it set to any option except 00

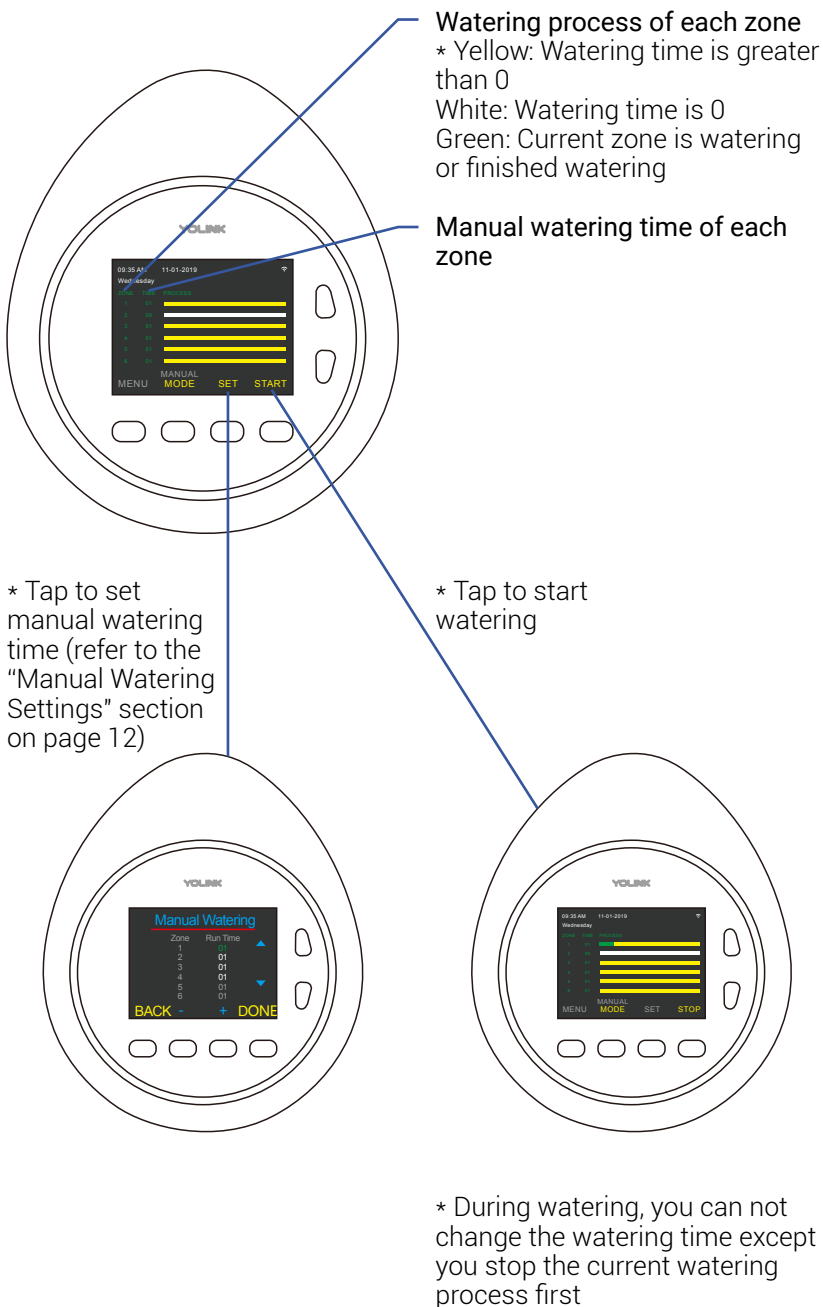
You can cancel delay settings by changing the delay time to 0 hours

MENU (Menu)

Menu selection for settings

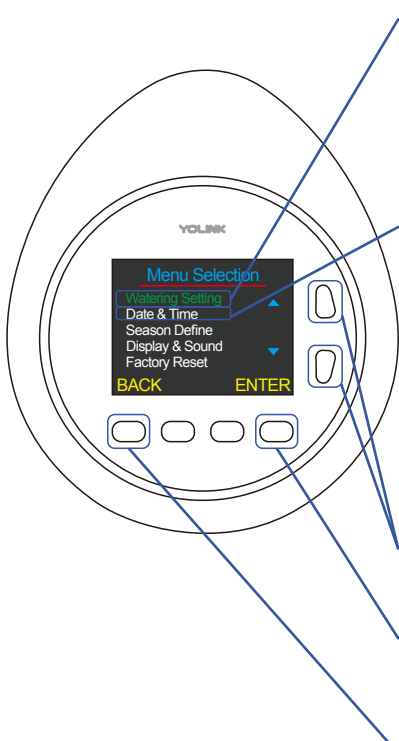


Manual Watering



Get to Know Your Sprinkler Controller, Continued

Menu Selection



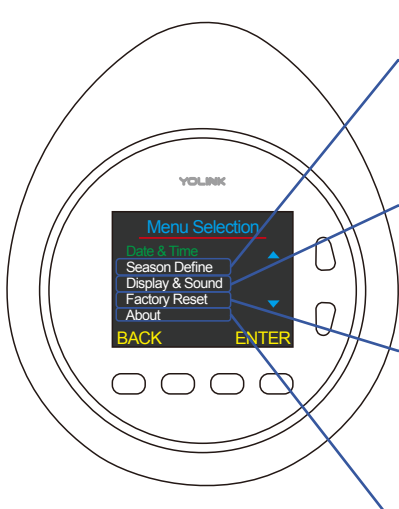
Watering Setting
General settings of the sprinkler controller (Zone Max and Time Max), set the watering days, watering time and manual watering time

Date & Time
Set the date & Time
* When the sprinkler controller is set to automatically adjust the time (in Sprinkler Controller settings; see page 13)
Time and Date can be set in the app. Select Sync With Mobile in the Time section of Details in the app

* Tap to navigate up or down in the menu

* Tap to select the option or function (shown above the button)

* Tap to exit Menu Selection



Season Define
Define the start date for each season, per your region and/or preferences

Display & Sound
Set background color, brightness, backlight timeout or sound for button control

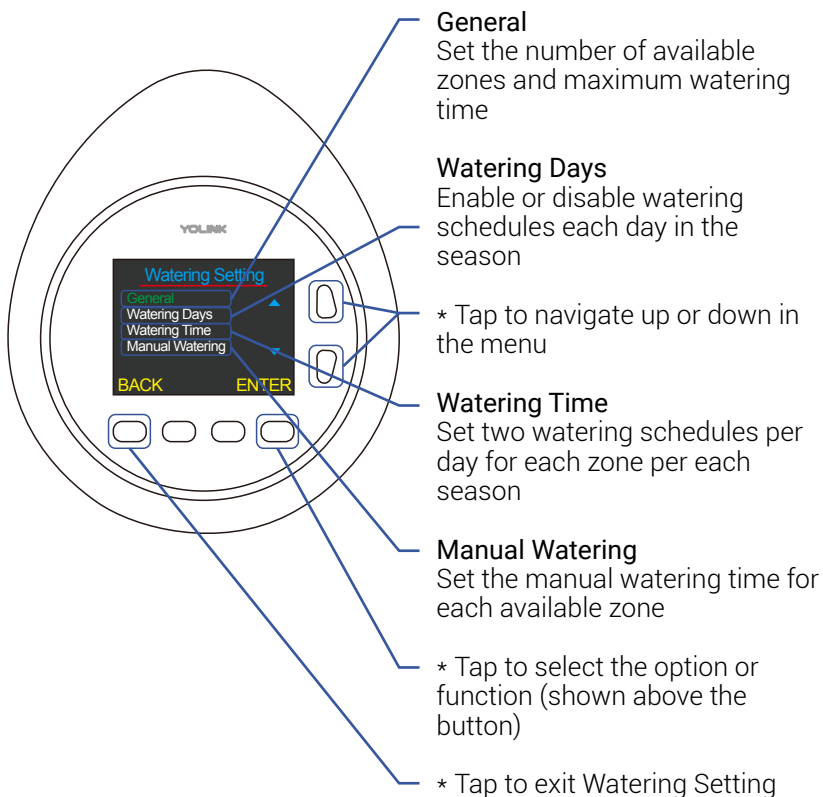
Factory Reset
Restore your sprinkler controller to factory default settings or reset the network connection (See page 12)

About
View information about YoSmart Inc. and your sprinkler controller

E

Get to Know Your Sprinkler Controller, Continued

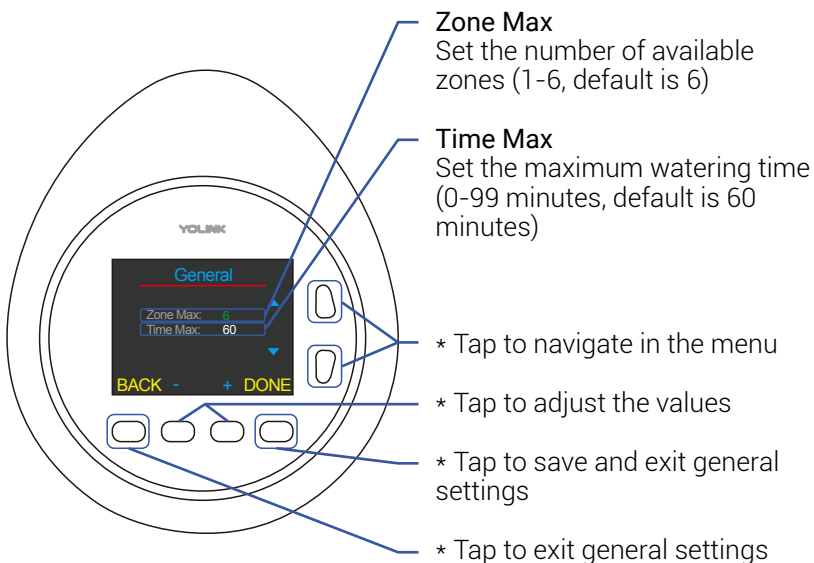
Watering Setting



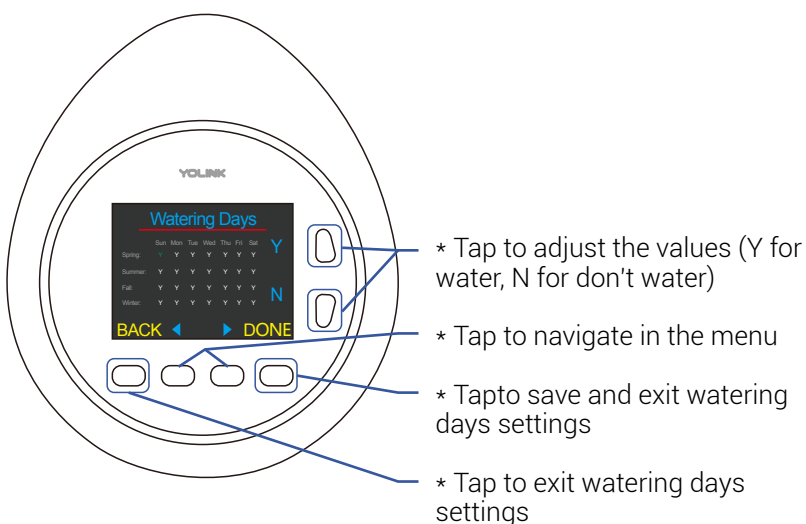
E

Get to Know Your Sprinkler Controller, Continued

General



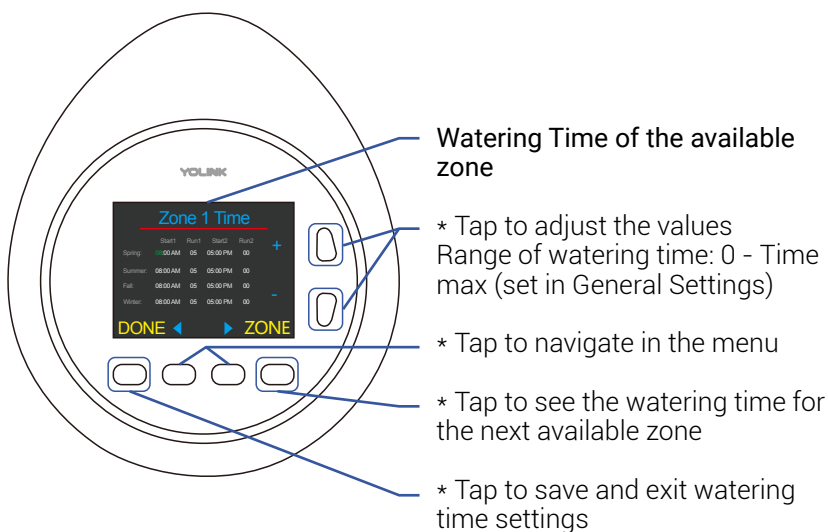
Watering Days



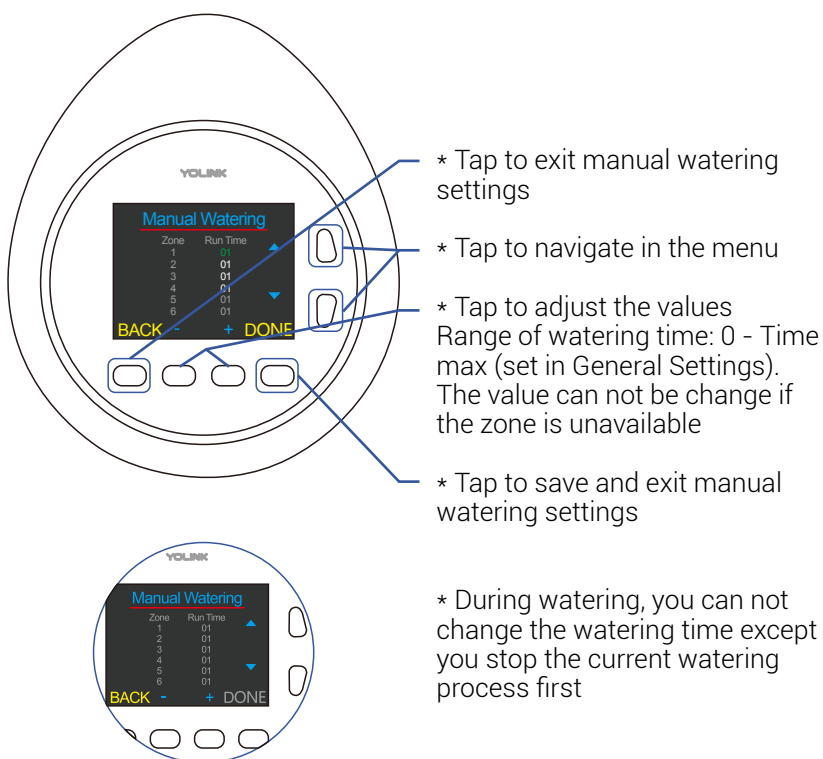
E

Get to Know Your Sprinkler Controller, Continued

Watering Time



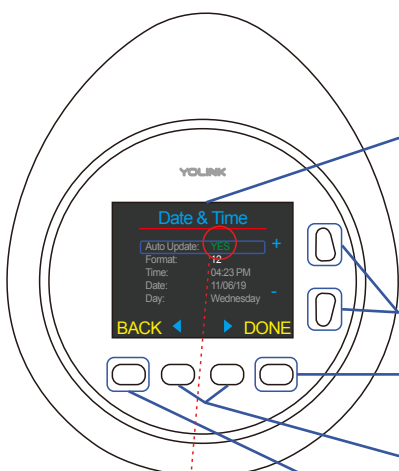
Manual Watering



E

Get to Know Your Sprinkler Controller, Continued

Date & Time



Auto Update

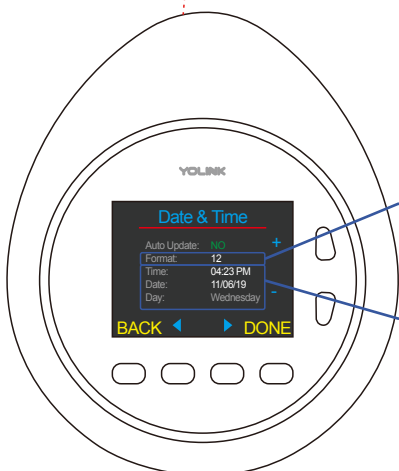
* YES: Date & time will update automatically (Default)
NO: Date & time will run according to your settings

* Tap to adjust the values

* Tap to save and exit date & time settings

* Tap to navigate in the menu

* Tap to exit date & time settings



Format

of device displays: 12-hour format or 24-hour format

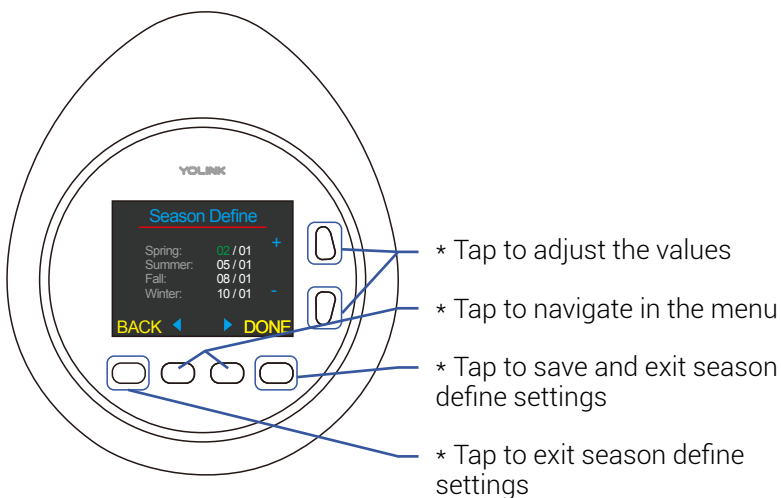
Date & Time

* Will update automatically when Auto update is set to YES
Can be onlyset when Auto update is set to NO

E

Get to Know Your Sprinkler Controller, Continued

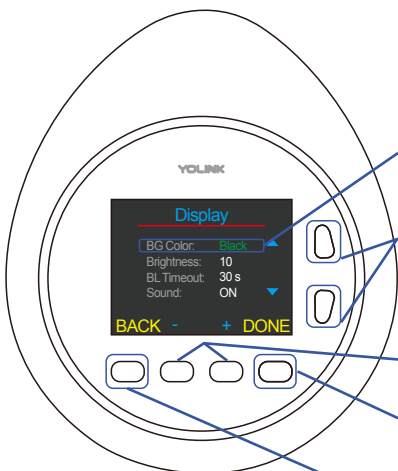
Season Define



E

Get to Know Your Sprinkler Controller, Continued

Display & Sound



Background (BG) Color

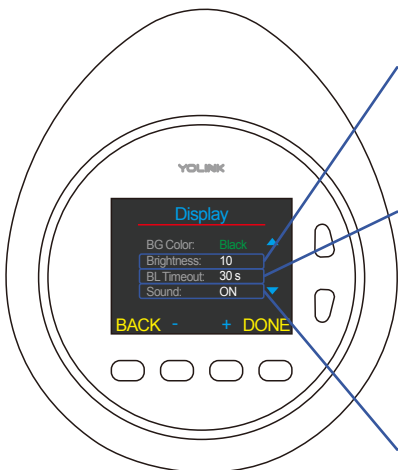
* Black (Default); Blue

* Tap to navigate up or down in the menu

* Tap to adjust the values

* Tap to save and exit display & sound settings

* Tap to exit display & sound settings



Brightness

of screen from 1 to 10: 1 is the darkest, 10 is the brightest

* Default is 10

BL Timeout

No operation for the set time, device will automatically adjust the brightness to darkest

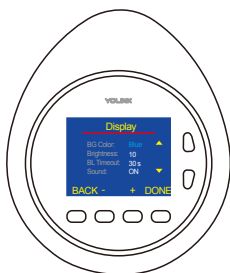
* Options: 10 / 20 / 30 / 60 / 90 / 120 / 180 seconds and Always On default is 30 seconds

Sound

for pressing buttons

* ON (Default): Sound prompts when pressing buttons

OFF: No sound prompts when pressing buttons

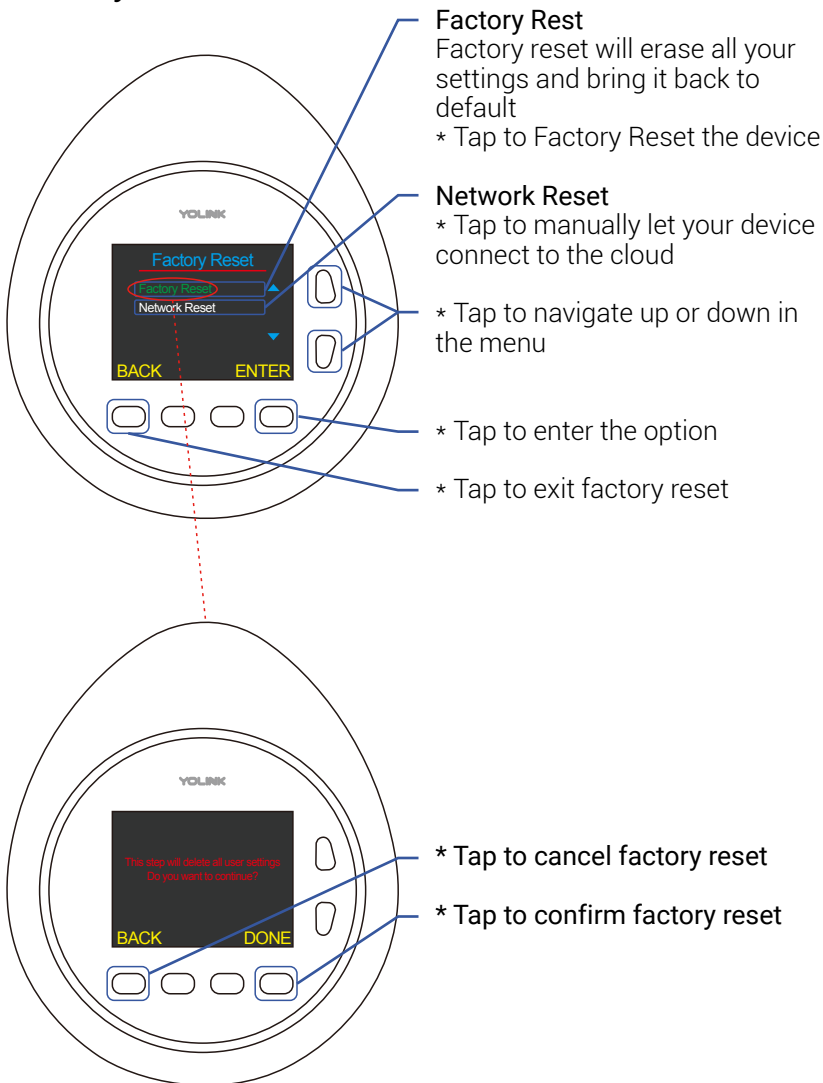


* When BG Color is set to Blue

E

Get to Know Your Sprinkler Controller, Continued

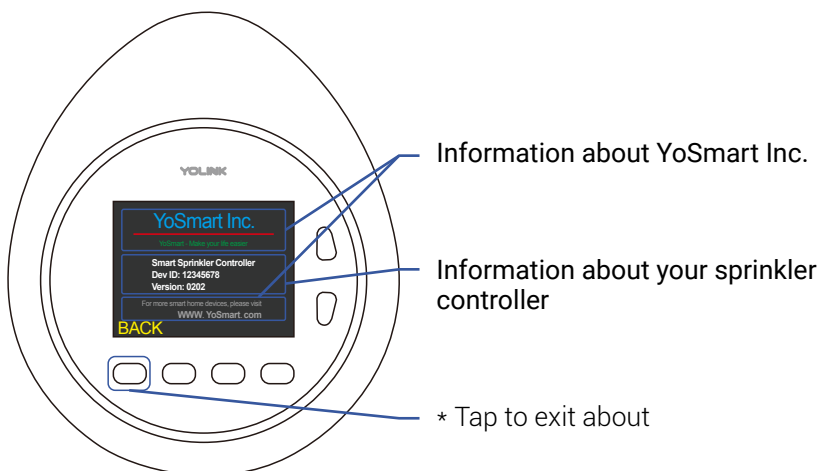
Factory Reset



E

Get to Know Your Sprinkler Controller, Continued

About





Install the App

If you are new to YoLink, please install the app on your phone or tablet, if you have not already. Otherwise, please proceed to the next section.

Scan the appropriate QR code below or find the “YoLink app” on the appropriate app store.



Apple phone/tablet
iOS 9.0 or higher



Android phone/tablet
6.0 or higher

Open the app and tap **Sign up for an account**. You will be required to provide a username and a password. Follow the instructions, to set up a new account. Allow notifications, when prompted.

You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

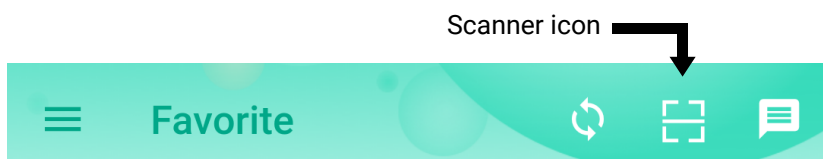
Log in to the app using your new username and password.

The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

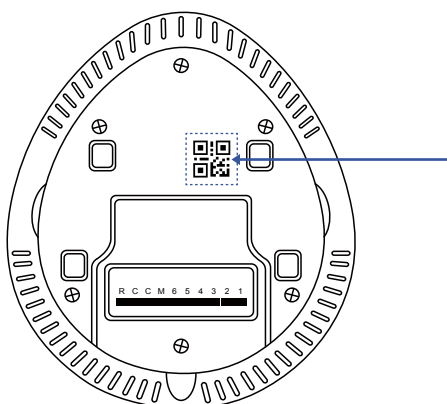


Add Your Sprinkler Controller to the App

1. Tap **Add Device** (if shown) or tap the scanner icon:



2. Approve access to your phone's camera, if requested. A viewfinder will be shown on the app.



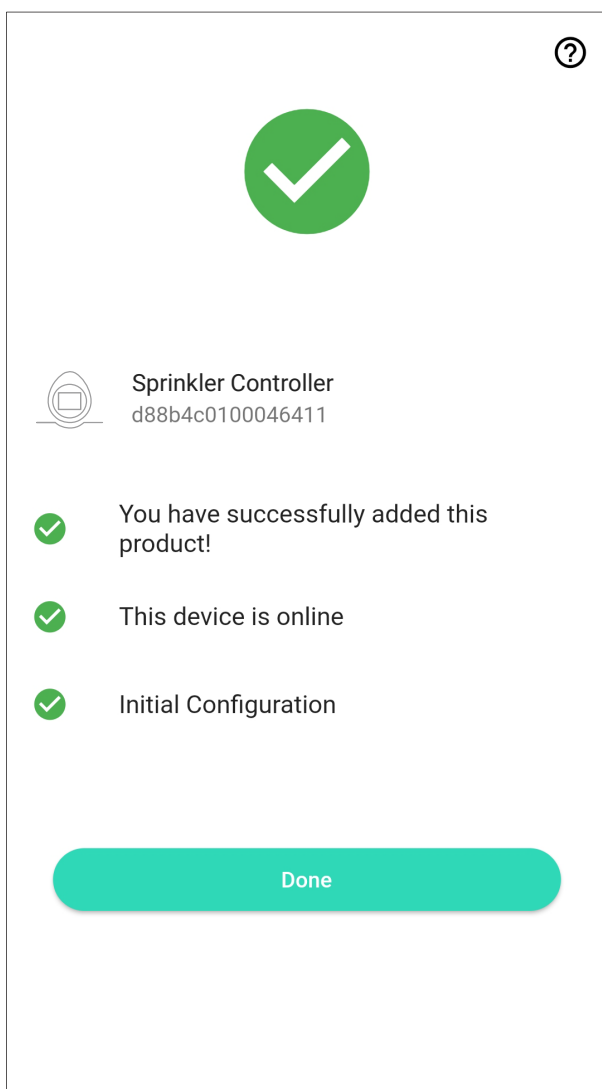
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

G

Add Your Sprinkler Controller to the App, Continued

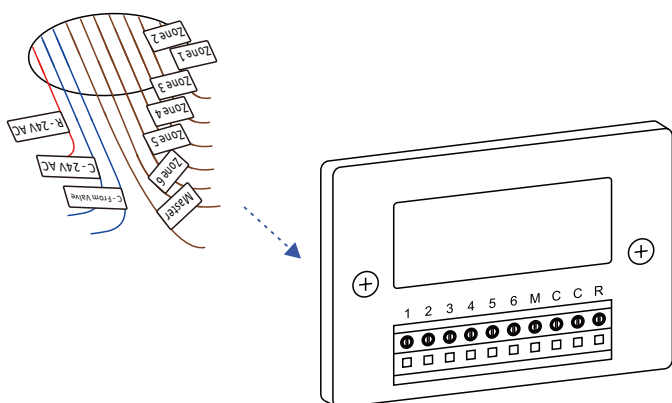
4. You can change the device name and assign it to a room later. Tap **Bind device**.

5. If successful, the screen will appear as shown. Tap **Done**.



H Installation

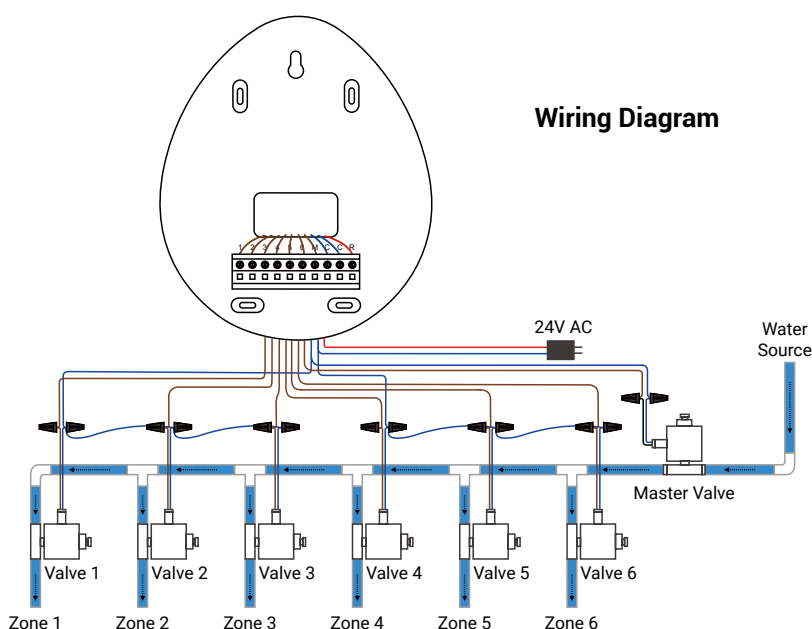
1. Turn off, remove or disconnect the 24VAC power supply to be used for your new Sprinkler Controller.
2. If you are replacing an existing controller, identify and label all of the existing wires. It may help later if you take a picture of the wires before you remove any.
3. Using care to not let any wires fall back into the wall (if applicable), loosen the wires and remove them from the existing controller.



4. Place the controller base at the desired location, then mark (with pencil, tape, etc.) an outline of the controller on the wall for future reference.
5. Mount the base by screwing it in to the wall, using the supplied screws (or your own specialty anchors and screws, as needed).
6. Loosen the terminal screws on the mounting plate, preparing them for the wiring.

H Installation, Continued

- 7.** Working with one wire at a time, connect the wiring in the correct order to their respective terminals. If needed, re-strip the end of the wire, so that the conductor makes an electrical connection with the terminal screw. Tighten each screw before moving to the next.
- 8.** Gently tug on each wire, to ensure the wire is secured and not loose.
- 9.** Gently push the sprinkler controller onto the base. You may hear an audible snap. Ensure the controller is fully-seated on the base, by gently pulling at the edges of the controller. Uneven gaps between it and the wall may indicate the controller is not properly secured to the base.
- 10.** Turn on the 24VAC transformer or power supply. The Sprinkler Controller should turn on, and the display should illuminate.





App Functions: Device Screen

In the app, tap on your Sprinkler Controller icon. Your Sprinkler Controller main screen should be similar to the one shown below.

The screenshot shows the Sprinkler Controller main screen. At the top is a teal header bar with a back arrow, the text "Sprinkler", and a three-dot menu icon. Below the header is a dashed blue box containing six zone cards. Each card has a zone number (1-6), a green progress bar, and a timer (e.g., "0 / 42 min"). To the right of the zone cards is a Wi-Fi icon. At the bottom of the screen is a navigation bar with five icons: Mode (A), Schedule (clock), ECO (leaf), Delay (i), and History (refresh). Annotations with arrows point to various elements: "Tap to Exit This Screen" points to the back arrow; "Device Name" points to the "Sprinkler" text; "Tap for Device Details Screen" points to the three-dot menu; "Connection Status of Sprinkler Controller and Hub" points to the Wi-Fi icon; "1-6 Zone Watering Time" points to the zone cards; "Next Watering Time when in Auto mode" points to the "Next Watering" text; and "Add the delay time if the device runs a Delay Watering or if rainy and the ECO is on" points to the Delay icon.

Tap to Exit This Screen

Device Name

Tap for Device Details Screen

Connection Status of Sprinkler Controller and Hub

1-6 Zone Watering Time
Set it up in Schedule when in Auto mode, or set it up in Manual Time when in Manual mode. Green: Zone is available; Grey: Zone is unavailable

Next Watering Time when in Auto mode
Add the delay time if the device runs a Delay Watering or if rainy and the ECO is on

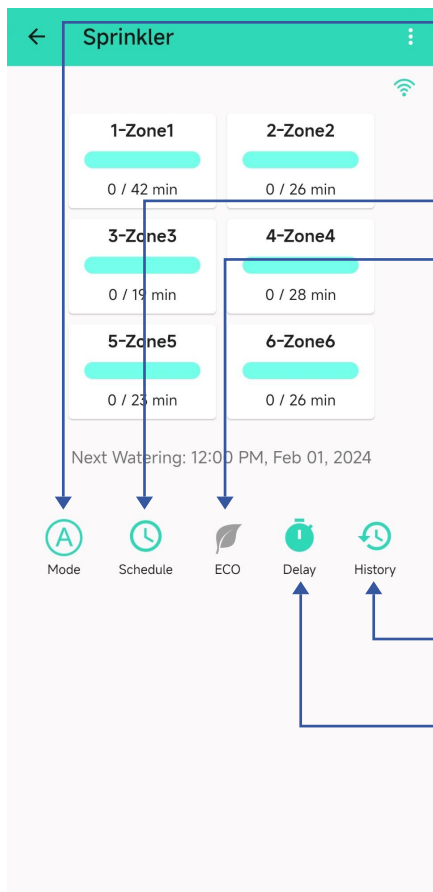
Zone	Watering Time
1-Zone1	0 / 42 min
2-Zone2	0 / 26 min
3-Zone3	0 / 19 min
4-Zone4	0 / 28 min
5-Zone5	0 / 23 min
6-Zone6	0 / 26 min

Next Watering: 12:00 PM, Feb 01, 2024

Mode Schedule ECO Delay History



App Functions: Device Screen, Continued



Watering Mode

Auto: Auto watering per schedule

Manual: Manual watering

Off: System is off

Watering Schedule

ECO (Energy Conservation Operation)

Delay watering automatically if it rains during the day with a scheduled watering time(s). (The local weather is checked once an hour). Tap to activate or deactivate ECO mode and set the delay watering time under ECO mode

Tap to view the device history logs

Delay Watering (Run Only Once)

Available only in Auto mode. No watering will occur automatically during the delay time. You can cancel delay settings by changing the delay time to 0 hours



App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the Sprinkler Controller **Details** screen. Your Sprinkler Controller's screen should be similar to the one shown below.

The screenshot shows the 'Details' screen for a Sprinkler Controller. The header is teal with a back arrow, the title 'Details', and a help icon. The main content area has a light gray background and lists various settings. Annotations with blue lines point to specific elements:

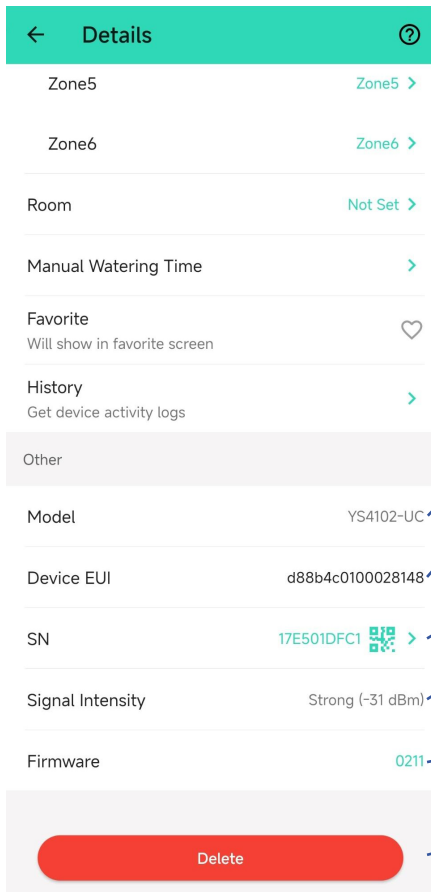
- Device Type**: Points to the 'Sprinkler' value next to the 'Type' label.
- Device Name (Tap to Edit)**: Points to the 'Sprinkler >' value next to the 'Name' label.
- Zones Name (Tap to Edit)**: Points to the 'Zone1 >' value next to the first zone in the list.
- Room (Tap to Edit)**: Points to the 'Not Set >' value next to the 'Room' label.
- Manual Watering Time**: Points to the '>' icon next to the 'Manual Watering Time' label.
- Favorite (Red if Favorite, Tap to Edit)**: Points to the heart icon next to the 'Favorite' label.
- Device history (Tap to view device history)**: Points to the '>' icon next to the 'History' label.

The bottom section is a light gray bar with the label 'Other'.

Model YS4102-UC



App Functions: Device Details Screen, Continued



Model Number

Device EUI
Unique Identifier Number

Device Serial Number

Signal Intensity
(From YoLink Hub)

Firmware Revision
(Refer to page 31)

Remove Device from Current Account
Tap to delete the device from your YoLink account



App Functions: Schedule

← Sprinkler ✓

Spring Summer Autumn Winter

Dec.01 08:00 AM 05:00 PM >

Zone1	5	5
Zone2	5	5
Zone3	5	5
Zone4	5	5
Zone5	5	5
Zone6	5	5

Repeat On

Sun Mon Tue Wed Thu Fri Sat

Tap to save the settings

Tap to select the season

Define the start date for current season, and set two start watering time per day for each zone of current season

Set the watering time of each zone

Set the watering days for current season



App Functions: Smart – Scene

Tap to view the scene history

Tap to save the settings

Name
Tap to edit the scene name

Icon
Tap to select a scene icon

Favorite
Tap to make it a favorite scene

Assign the scene to a scene group

Delete the behavior

Add behavior
Tap to add a behavior

Tap to sort behaviors



The Scene settings are saved in the cloud.

If you have two or more alternating scenes, such as "Armed" and "Disarmed" or "Day Mode" and "Night Mode", you can place them into a custom scene Group. As only one scene in a Group can be active, when you activate the Night Mode scene, the Day Mode scene will be indicated as inactive. This is only a visual indicator; in this example, any specific required actions for the Day Mode (such as device actions, etc.) must be accomplished by separate automation settings.



App Functions: Smart - Automation

The Sprinkler Controller can be set up as an action in automation.

The screenshot shows the 'Automation' settings screen. At the top is a green header bar with a back arrow, the title 'Automation', and a checkmark icon. Below this is the 'Name' field, currently set to 'Auto Mode'. The 'When' section shows a clock icon and the text 'When 00:00 Every Mon'. The 'Then' section shows a list of behaviors, with one behavior 'Sprinkler Turn to 'Auto' mode' visible. The 'Working Time' section shows 'Always Working'. At the bottom is the 'Advanced Settings' section. Annotations with arrows point to various elements: 'Tap to save the settings' points to the checkmark icon; 'Edit the name of the automation' points to the 'Name' field; 'Tap to set a condition for the automation' points to the 'When' section; 'Add behavior' points to the plus icon; 'Delete the behavior' points to the trash icon; 'Tap to sort behaviors' points to the sort icon; 'Always Working' points to the 'Always Working' text; and 'Advanced Settings' points to the 'Advanced Settings' section.

Tap to save the settings

Edit the name of the automation

Tap to set a condition for the automation

Add behavior
Tap to add a behavior

Delete the behavior

Tap to sort behaviors

Always Working
Tap to set when the automation can be activated

Advanced Settings
Tap to edit advanced automation and logging settings

The Automation settings are saved in the cloud.

You can edit the Advanced Settings, including save the log, retry if action fails, notify if action fails, etc.



App & 3rd-Party Services

The YoLink Sprinkler Controller works with several voice assistants, including Alexa and Google, and it works with other automation platforms such as IFTTT.

To set up 3rd-party integrations (Alexa, Google and IFTTT), in the app, go to Settings, Third-Party Services, and follow the instructions.



Factory Reset

On the sprinkler controller, go to Menu->Factory Reset->Factory Reset to reset your sprinkler controller.



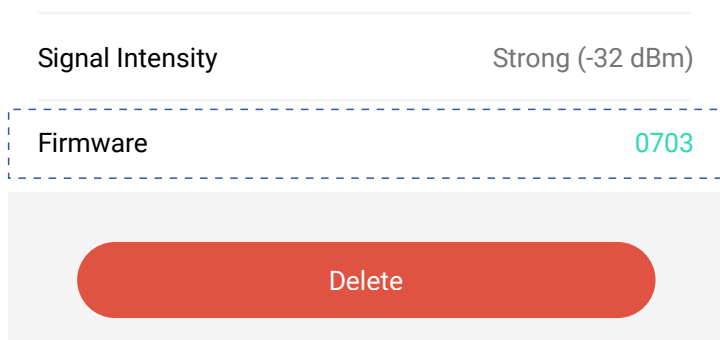
Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.



Firmware Update

Your YoLink products are constantly being improved, with new features added. It is periodically necessary to make changes to your device's firmware. For optimal performance of your system, and to give you access to all available features for your devices, these firmware updates should be installed when they become available.

In the Detail screen of each device, at the bottom, you will see the Firmware section, as shown in the image below. A firmware update is available for your device if it says “#### ready now”



Tap in this area to start the update.

The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.



Specifications

Voltage: 24V AC

Dimensions, Imperial
(L x W x D): 6.06 x 5.12 x 1.10
inches

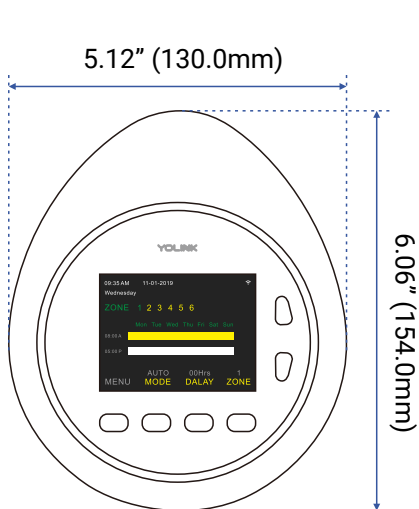
Dimensions, Metric
(L x W x D): 80 × 80 × 34.5 mm

Environment: Working Temperature:
14°F - 122°F
(-10°C - 50°C)

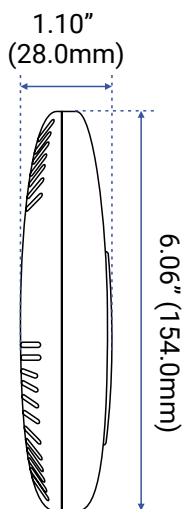
Working Humidity:
0% - 90%
non-condensing



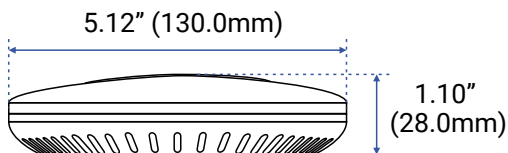
Specifications, Continued



FRONT



SIDE



TOP

R Troubleshooting

These troubleshooting suggestions assume the device has been successfully added to the app. If the device is not working correctly and it is not in the app, return to the Add the Smart Sprinkler Controller to the App section and double-check or re-do these steps.

A. Device is offline:

- 1) If the sprinkler controller is not connected to the cloud, go to MENU > Factory Reset > Network Reset on the device to reset the network.
- 2) If Hub is offline. Reconnect your Hub to the Internet and go to MENU > Factory Reset > Network Reset on the device to reset the network.
- 3) If Hub is powered off. Power on the Hub again and go to MENU > Factory Reset > Network Reset on the device to reset the network.
- 4) If sprinkler controller is out of range with hub, relocating the Hub may be required.
- 5) If sprinkler controller is not turned on. Turn on the device.

B. Device time is inconsistent with mobile phone time:

- 1) Failed to auto-update. Click Sync with Mobile in Details on the YoLink app.
- 2) There was a power outage and sprinkler controller is offline after restoring power. Go to MENU > Factory Reset > Network Reset on the device to reset the network.
- 3) The time is set to not update automatically, and there was a power outage. Go to MENU > Date & Time on the device to reset the time manually.

C. Performing a factory reset can clear up some issues. Refer to page 30 for instructions. If the device remains non-operational, it may be defective. **Please contact us for assistance with replacing your YoLink product.**

E. Other issues, please contact us via the info on the last page of this guide.

Warnings

- This product is powered by 24V AC only. Please do not connect the product to the high or wrong voltage
 - Please install, operate and maintain the Sprinkler Controller only as outlined in this manual. Improper use may damage the unit and/or void the warranty
 - Do not install or use the device outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 33
 - This device is not waterproof and is designed and intended only for indoor use. Subjecting this device to outdoor environment conditions such as direct sunlight, extreme hot or cold temperatures, rain, water and/or condensation can damage the device and will void the warranty
- Install or use this device only in clean
- environments. Extremely dusty or dirty environments may prevent the proper operation of this device, and will void the warranty

S Warnings, Continued

- If your Sprinkler Controller gets dirty, please clean it by wiping it down with a clean, dry cloth. Do not use strong chemicals or detergents, which may discolor or damage the exterior and/or damage the electronics, voiding the warranty
- Do not install or use this device where it will be subjected to high temperatures and/or open flame
- Do not install or use this device where it will be subjected to physical impacts and/or strong vibration. Physical damage is not covered by the warranty
- Please contact Customer Service before attempting to repair, disassemble or modify the device, any of which can void the warranty and permanently damage the device

1 Year Limited Electrical Warranty

YoSmart Inc. warrants to the original user (“customer”) of this product that it will be free from defects in materials and workmanship, under normal use, for 1 years from the date of purchase. This warranty does not apply to devices that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty does not cover neglected or abused products. This warranty is limited to the repair or replacement of the device, only, at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees. The customer must provide proof of purchase, in the form of the original purchase invoice or order number. The purchase must have been made from an authorized seller.

To implement this warranty please contact us by one of the methods listed on the Contact Us page of this user guide.



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.

Any changes or modifications not expressly approved by the party responsible for compliance 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.



FCC Statement, Continued

- 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 maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

PRODUCT NAME:
SPRINKLER CONTROLLE

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS4102-UC

ADDRESS:
25172 ARCTIC OCEAN DRIVE, SUITE 106, LAKE
FOREST, CA 92630 USA

EMAIL:
SERVICE@YOSMART.COM



Contact Us

We are here for you, if you ever need any assistance installing, setting up or using a YoLink app or product!

Need help? For fastest service, please email us 24/7 at service@yosmart.com

Or call us at **831-292-4831** (US phone support hours: **Monday - Friday, 9AM to 5PM** Pacific)

You can also find additional support and ways to contact us at:

www.yosmart.com/support-and-service

Or scan the QR code:



Support Home Page

Finally, if you have any feedback or suggestions for us, please email us at feedback@yosmart.com

Thank you for trusting YoLink!

YoLink Customer Support

YOLINK

25172 Arctic Ocean Drive, Suite 106 Lake Forest, CA 92630
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