

lichen play

USER MANUAL V 1.4

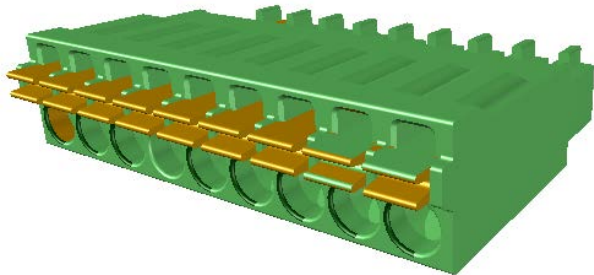
Welcome to your new lichen play device.

This quick start guide will assist you with wiring up your lichen play, getting it connected to the cloud, and setting up your first watering schedule.

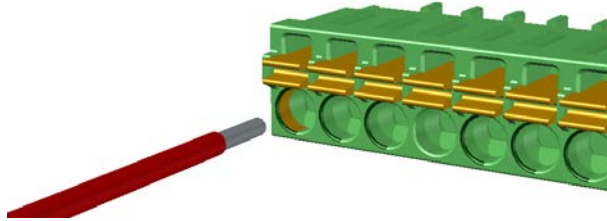
1

WIRING

The **GREEN** 9 PIN connector is used to connect the wiring from your irrigation system to the lichen play. The connector has 9 positions, one position for each of the 8 zones and 1 for the common (COM) return. Zone 1 is the left most position, while common is the right most position.

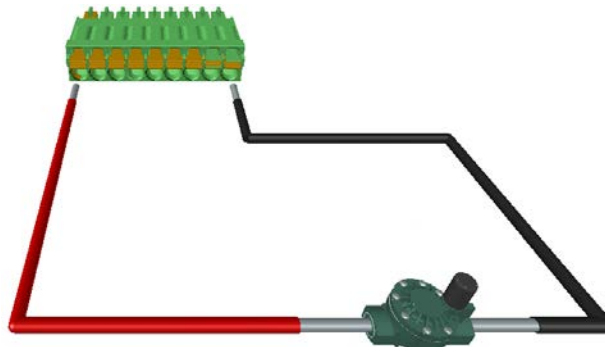


To connect up a zone 1 control valve, remove ¼ inch of the insulation from the end of the associated wire and push it into the 1st position from the left on the connector.



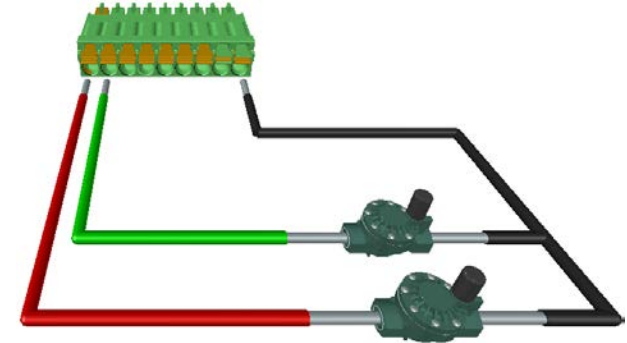
NOTE: If you need to release a wire, simply push in the orange tab above the wire, and pull the wire back out.

To complete the wiring for a zone 1 control valve, the control valve's return wire must be connected to the common return, the right most position of the connector.

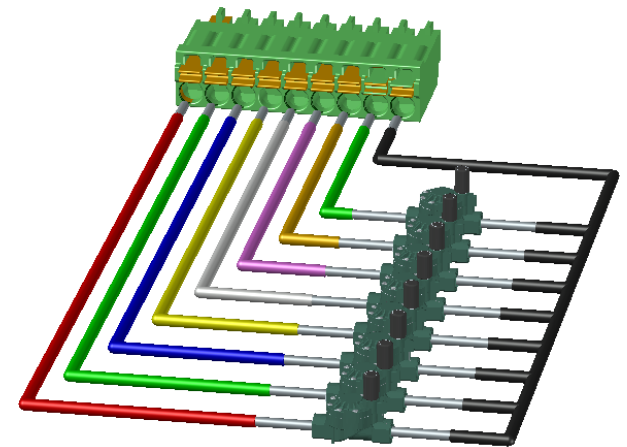


To connect up a zone 2 control valve, push the end of the associated wire into the 2nd position from the left in the connector. Then connect the common return to the same common return used for zone 1.

NOTE: Joining of the common returns is best done at the control valves.

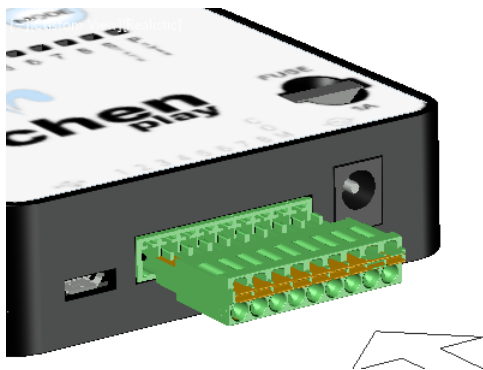


Continue connecting up each additional zone control valve until all have been added. A maximum of 8 zones can be connected to a single lichen play.



WARNING: Incorrect wiring of the control values may result in the fuse blowing to protect the system. One spare fuse is included, be sure to completely review and redo the control value wiring before attempting to replace a blown fuse.

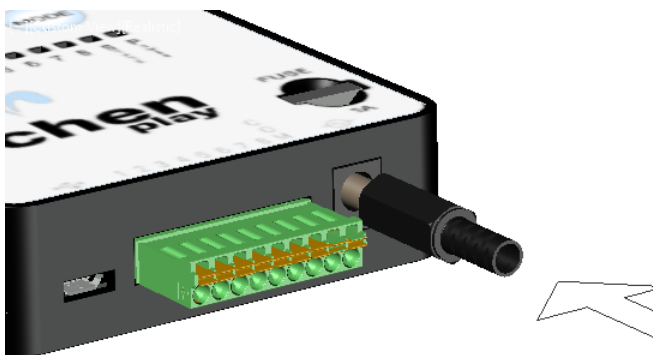
Once the Control valve wiring has been completed, the GREEN 9 PIN connector can be inserted into the lichen play ready for use.



2 POWER ON

WARNING: Ensure that the rated voltage of your control valves matches the rated voltage of the power adapter supplied. Miss-match of voltages may result in damage to the control valves, wiring, lichen play, the power adapter, or even electrocution.

Connect the included power adapter to the wall and to the lichen play to power on the device.



The Power LED will go solid **GREEN** to indicate power has been applied.

3 DOWNLOAD APP

lichen play is managed using the Apple iPhone or iPad app which is available from the Apple app store.

From your Apple device, search for lichen play in the app store or simply use the built in camera to snap the QR code below to automatically locate it.



Install the app on your iPhone or iPad. Once completed, open the lichen play app and complete Registration to create a user account.

4

REGISTER

Before you can begin using the lichen play app, you must complete the registration process.

Registration allows you to securely access and manage your device.

On your iPhone or iPad device, locate and open the lichen play app.

At the login prompt, locate and tap **Register**.

Enter your first and last name.

Tap **Next** to continue.

Enter your Email, and a Password to access your account.

NOTE: Be sure to remember the email and password you use, you will need these in the future.

Tap **Next** to continue.

Email

Required

Password

Required

Options | [Register](#) | [Forgot password](#)

[Login](#)

Register

Cancel

First name

Jane

Last name

Smith

Next

Register

Cancel

Email

jane@playtopro.com

Password

••••••••

Re-enter password

••••••••

Back

Next

Select the Country, State, and Time zone where you are located and the name of the City.

Tap **Next** to continue.

RegisterCancel

Country

United States

State

Colorado

Time zone

Mountain Time

City

Denver

Back

Next

Review and accept the user agreement.

NOTE: You can request to have a copy sent to your email to read or review later.

Tap **Next** to continue.

RegisterCancel

I accept the user agreement



Request a copy

>

Back

Next

Review and accept the privacy statement.

NOTE: Again you can request to have a copy sent to your email to read or review later.

Tap **Register** to complete.

RegisterCancel

I accept the privacy statement



Request a copy

>

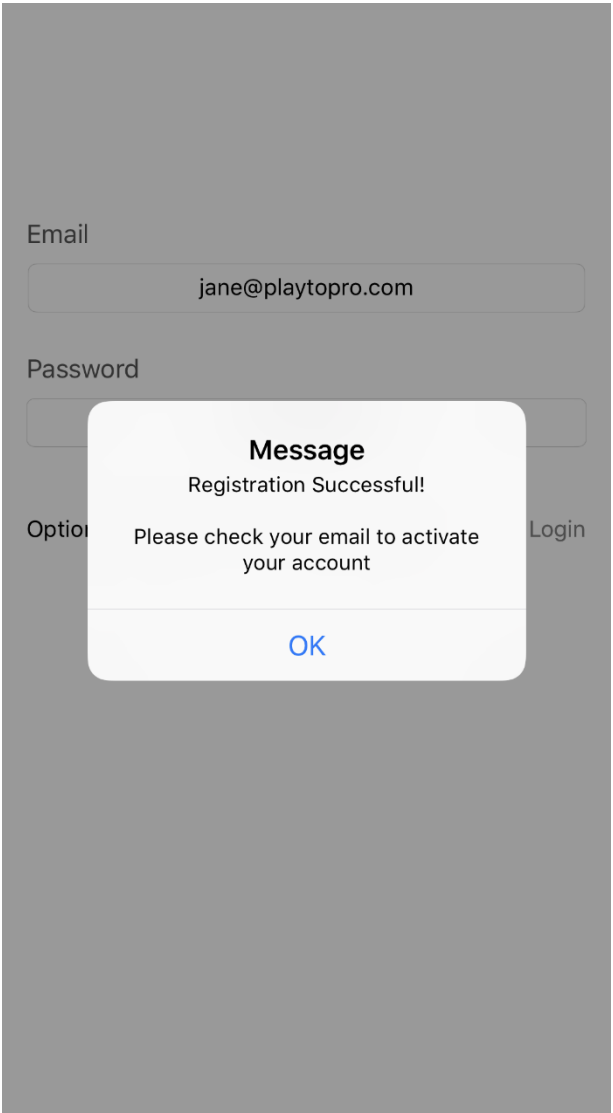
Back

Register

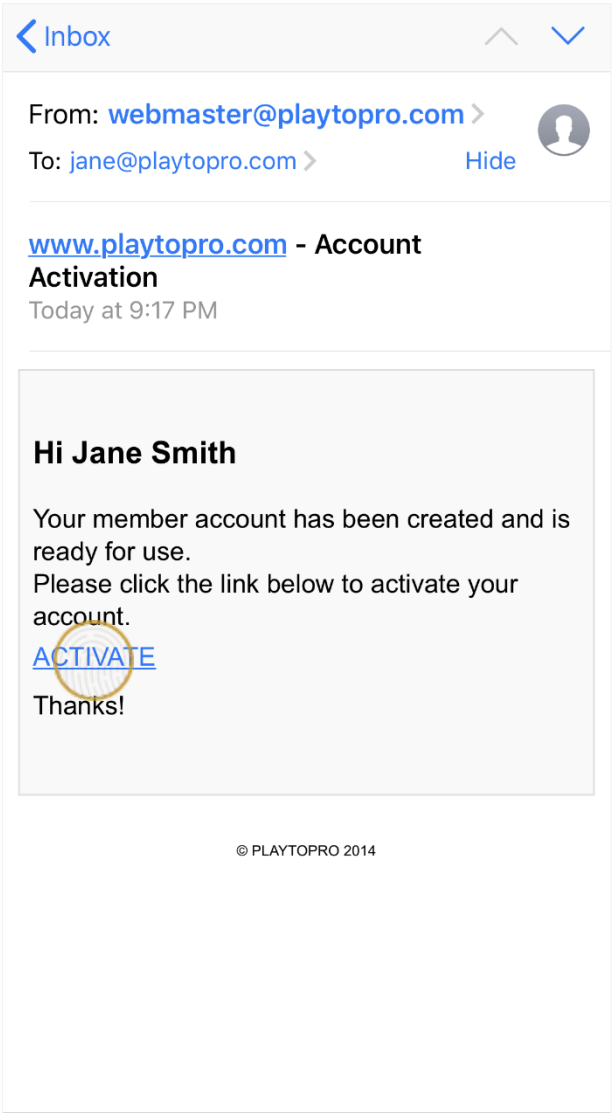
The registration process has been initiated. The next step is to check your email on your Apple device, to activate your account.

NOTE: Account activation confirms that we have your email address correct.

Tap **OK** and check your email for the activation email.



Open the email titled **Account Activation**, locate and tag the **ACTIVATE** link.

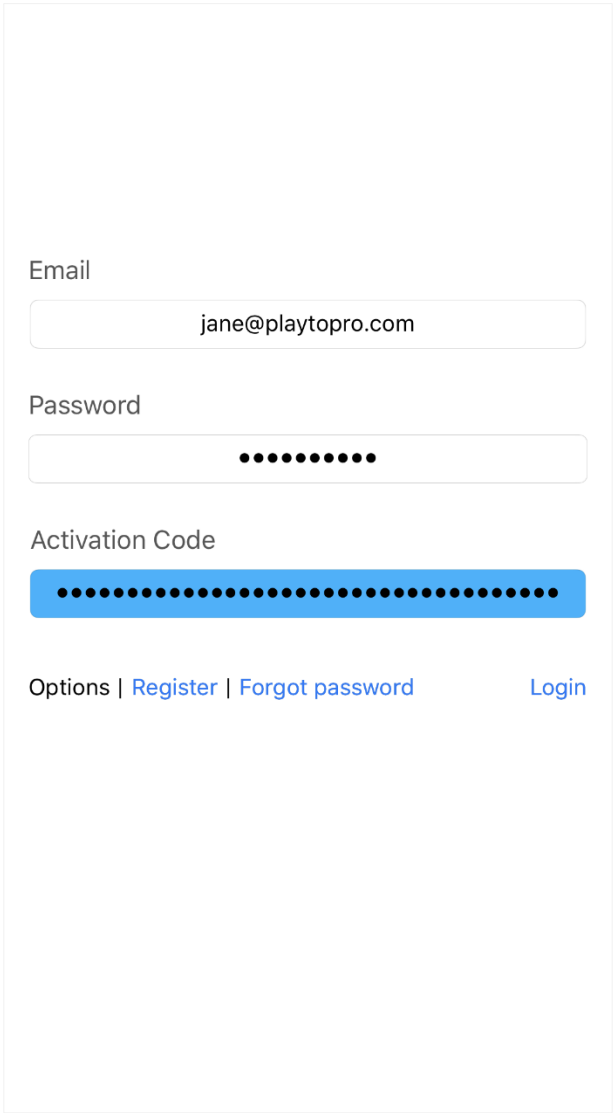


The link will automatically redirect you back to the lichen play app.

The Activation Code will automatically populate into the field.

If you activate your account immediately after registering, the activation process will automatically complete logging you in.

If the App does not automatically log you in, enter your Email and Password and tag **Login** to complete the process.



5

ADD DEVICE

Once you have successfully activated your account and logged into the lichen play app, the Add Device wizard will guide you through the process.

Start by confirming that the lichen play is powered on.

Tap > to continue.

Next confirm that the device is in setup mode.

When in setup mode, the mode LED will flash ON and OFF at a steady rate, indicating that the device ready for configuration and importantly has its wireless hotspot enabled allow your Apple device to connect directly with it to complete its configuration.

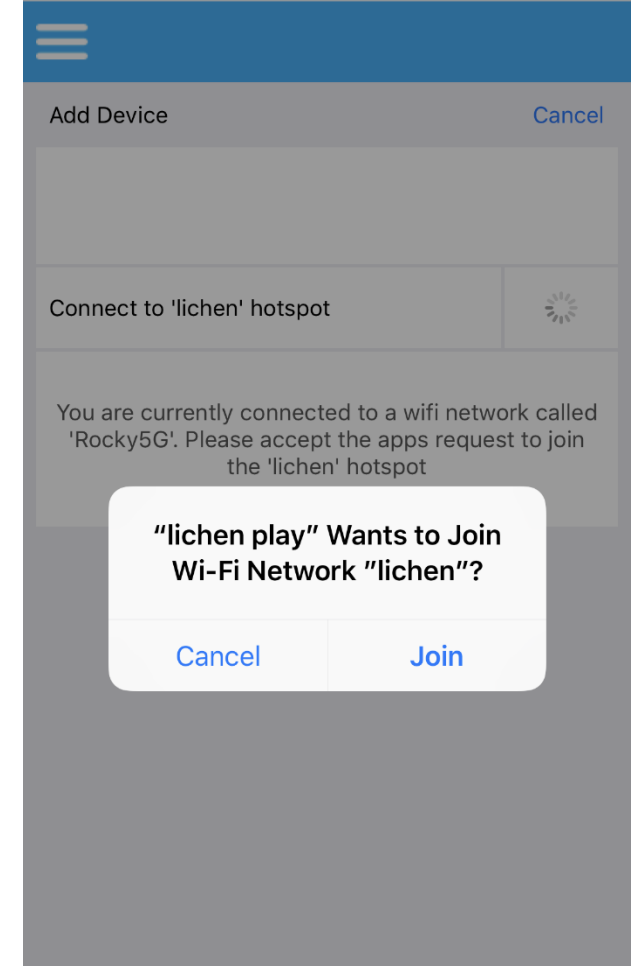
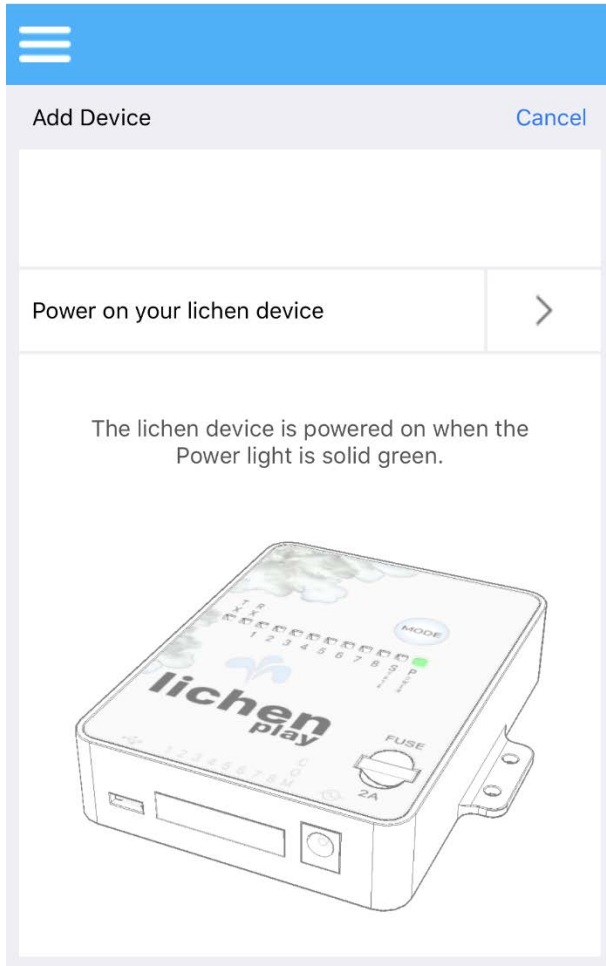
If the mode LED is not flashing ON and OFF at a steady rate, press the MODE button for 1 second and allow the device time to restart, it will now be in setup mode.

Tap > to continue.

Connect your Apply device to the lichen play's wireless hotspot. This will allow the app to configure the device to join your existing wireless network.

When prompted, accept the request to join the Wi-Fi network "lichen".

NOTE: While connected to the lichen hotspot, access to the internet from your Apple device will be interrupted, complete the process to automatically restore your connectivity.



On successful connection, the app will begin communicating with the device to automatically receive its unique serial number.

Tap > to continue.

Add DeviceCancel

Connect lichen to your wifi network>

Next, provide the lichen device with details of the wireless network that it can use to get online

Enter the name of the network that you want lichen play to use to get online. This allows the device to access current weather information as well as allowing you to control the device from anywhere in the world.

NOTE: lichen play supports 2.4GHz networks only not 5GHz.

Tap > to continue.

Add DeviceCancel

Network:SSID>

Enter the name of the 2.4GHz wireless network that you want lichen to use to get online

Enter the wireless network password so lichen can complete the connection. The network name and password are stored securely on the device and are not shared with anyone.

Tap > to continue.

Add DeviceCancel

Password:password>

Enter the wireless network password so lichen can complete the connection

The network connection information is securely transmitted to the lichen play. The device will then restart exiting setup mode and attempt to connect to your Wi-Fi network.

NOTE: Following a successful restart, the State LED on the device will be solid GREEN.

Enter a friendly name for your lichen play.

Example: If you are installing the device at home, name it Home. If you are installing the device at your rental property, use the Street name.

Tap > to continue.

Success, your lichen play has now been configured and added to your profile.

Tap > to complete.

Add DeviceCancel

Restarting lichen, please wait...

Add DeviceCancel

Name: >

Enter a friendly name for your lichen device.

Add DeviceCancel

Device successfully added! >

Your new lichen play device will now appear in the Devices list.

Uses may purchase additional devices as needed to manage rental properties, work locations, or a family member’s gardens.

Tap > to begin using the device.

DevicesAdd

HomeONLINE: YES>

Model:lichen play

Serial No.:1

6 SETUP ADDRESS

In order for the lichen play to receive accurate weather information, the exact address of the device’s location must be provided. Address information is securely stored and used by the eco mode algorithm to secure localized weather observations.

Device AddressCancel

Let's setup the address of the lichen device so it will receive accurate weather information saving you as much water as possible



Start

Press the [Start](#) button to begin.

Select the Country, State, and Time zone where the device is located.

Tap [Next](#) to continue.

Device AddressCancel

Country

Australia

State

Queensland

Time Zone

Eastern Standard Time (QLD)

Next

Enter the Address, City, and Zip or Post code where the device is located.

Tap [Apply](#) to complete.

Device AddressCancel

Address

40 Bourke Street

Address Two

Optional

City

Blacks Beach

Zip/Post code

4740

BackApply

7

SCHEDULE

The next step is to setup a basic watering schedule so you can begin using your lichen play.

If you find you are looking for more flexibility when creating your schedule, you will have the option to upgrade to the Advanced scheduler later on.

Tap [Start](#) to begin.

Setup ScheduleCancel

Next, lets setup a basic watering schedule!



Start

Select the zones you would like to water. You should only select the zones you have wired up and want to water.

Tap [Next](#) to continue.

Setup ScheduleCancel

Which zones would you like to water?

12345678

BackNext

Select the days of the week that you want to water. Keep in mind if you currently have any watering restrictions in placed that prevent you from watering on certain days.

Tap **Next** to continue.



Setup Schedule

Cancel

Which days of the week would you like to water on?

Su

Mo

Tu

We

Th

Fr

Sa

Back

Next

Setup how long and when you would like to water in the mornings.

Use **–** and **+** to adjust the watering time, and tap on the starting time to adjust.

Tap **Next** to continue.



Setup Schedule

Cancel

How long would you like to water in the mornings?

10 minutes each zone

–

+

Starting at: 05:00 AM

Back

Next

Setup how long and when you would like to water in the afternoons.

Use **–** and **+** to adjust the watering time, and tap on the starting time to adjust.

Tap **Next** to continue.



Setup Schedule

Cancel

How long would you like to water in the afternoons?

05 minutes each zone

–

+

Starting at: 06:00 PM

Back

Next

Decide if you would like to enable Eco mode. Eco mode automatically reduces your watering time during cooler and wet weather saving significant amounts of water and money each month, while keeping everything nice and green.

NOTE: You can always enable or disable it later.

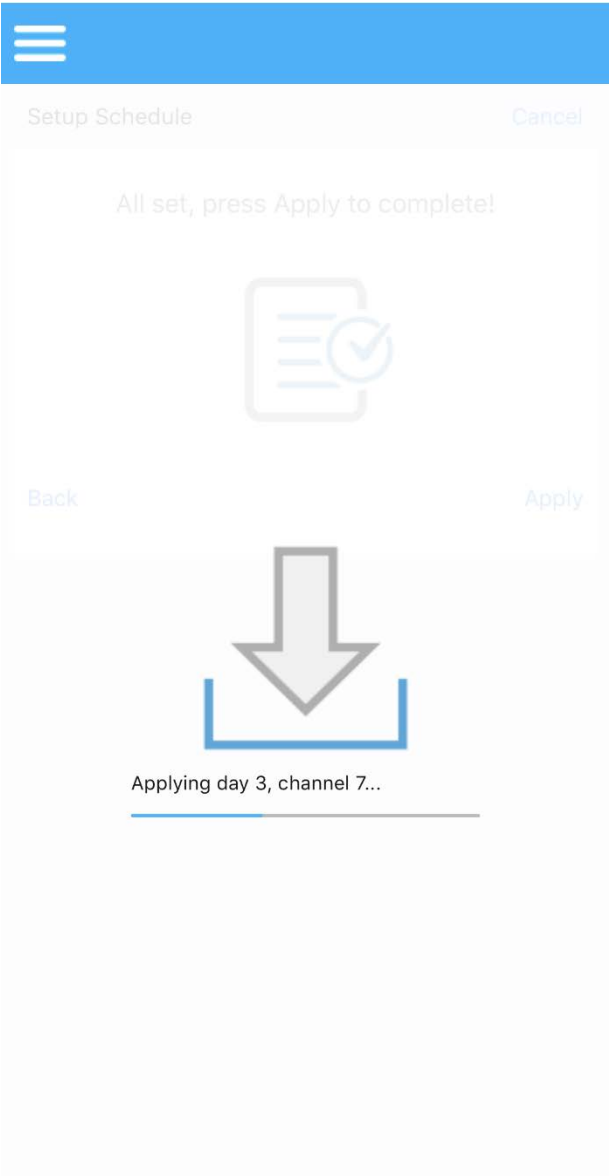
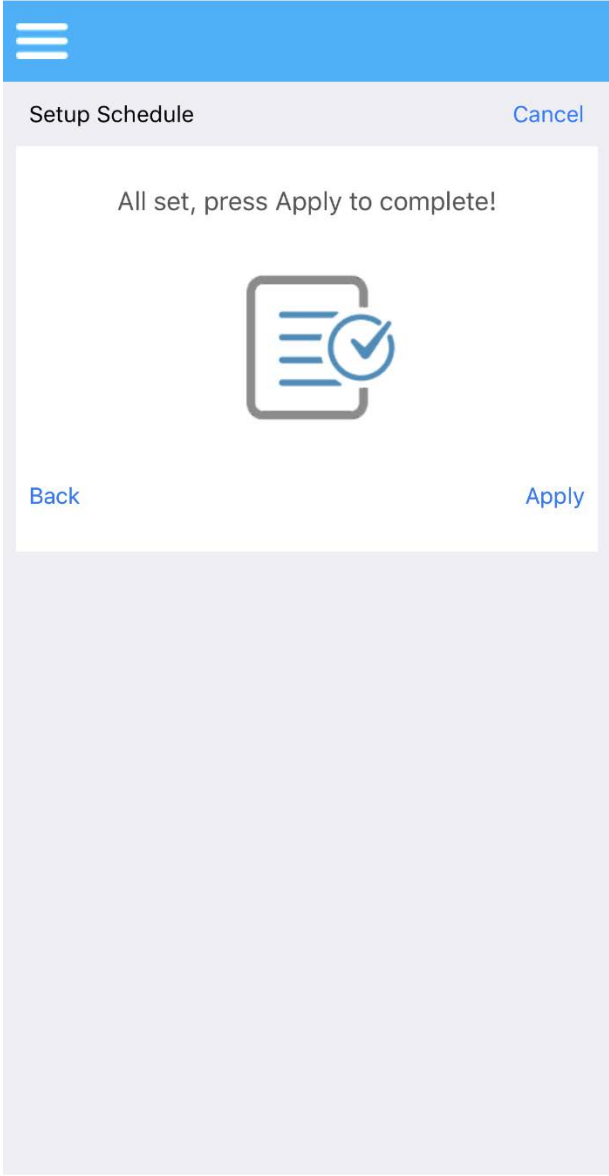
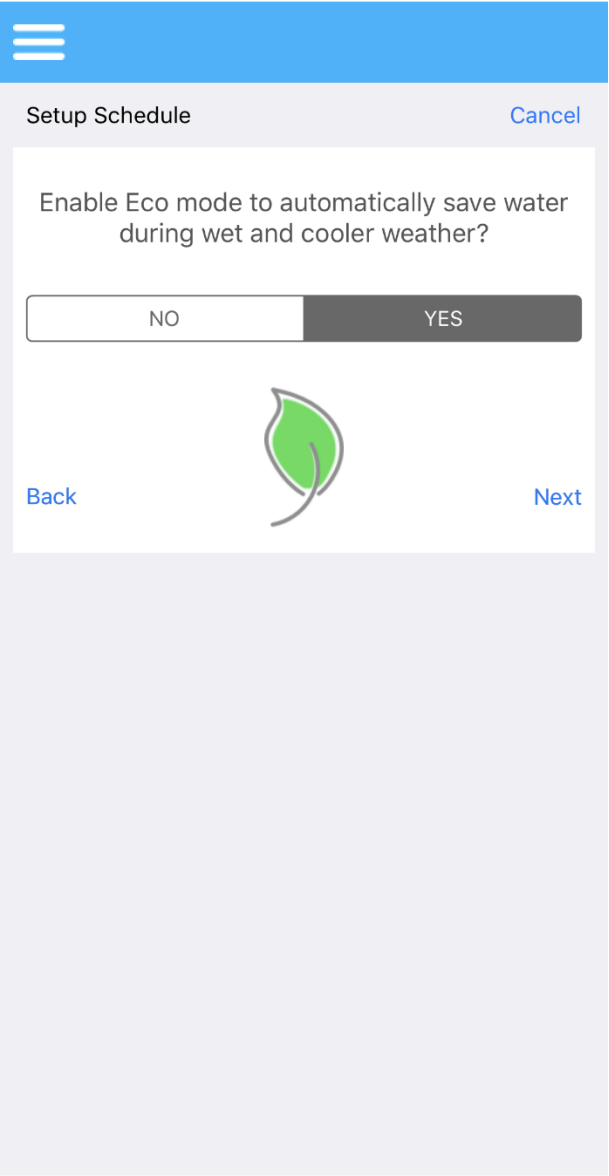
Tap [Next](#) to continue.

All set, your new basic schedule is ready to apply to your lichen play and take immediate effect.

Tap [Apply](#) to complete.

The new basic schedule will begin downloading to the lichen play device, and take immediate effective once completed.

NOTE: Managing your schedule is much quicker when you are connected to the same Wi-Fi network as the device.

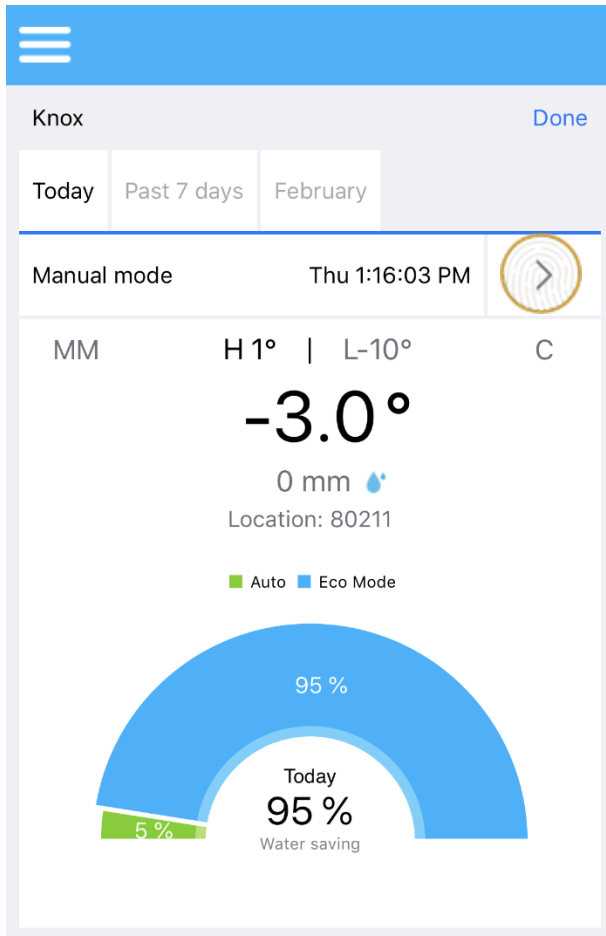


Lichen play includes a feature which allows the user to stop or start the scheduled watering process, on all or selected zones.

Disable auto mode on selected zones when you don't want to water them for an extended period of time, such as during maintenance, or while waiting for the repair of a leak.

Disable auto mode all together when winterizing your system in the Fall/Autumn.

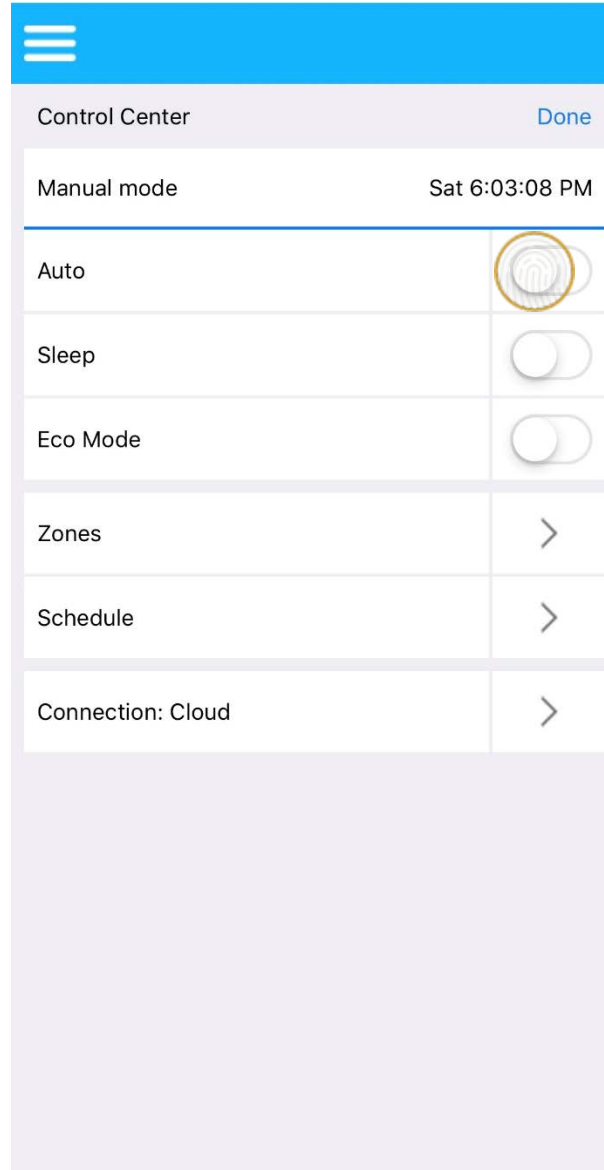
Tap > to access the Control Center.



From the Control Center, locate the Auto feature.

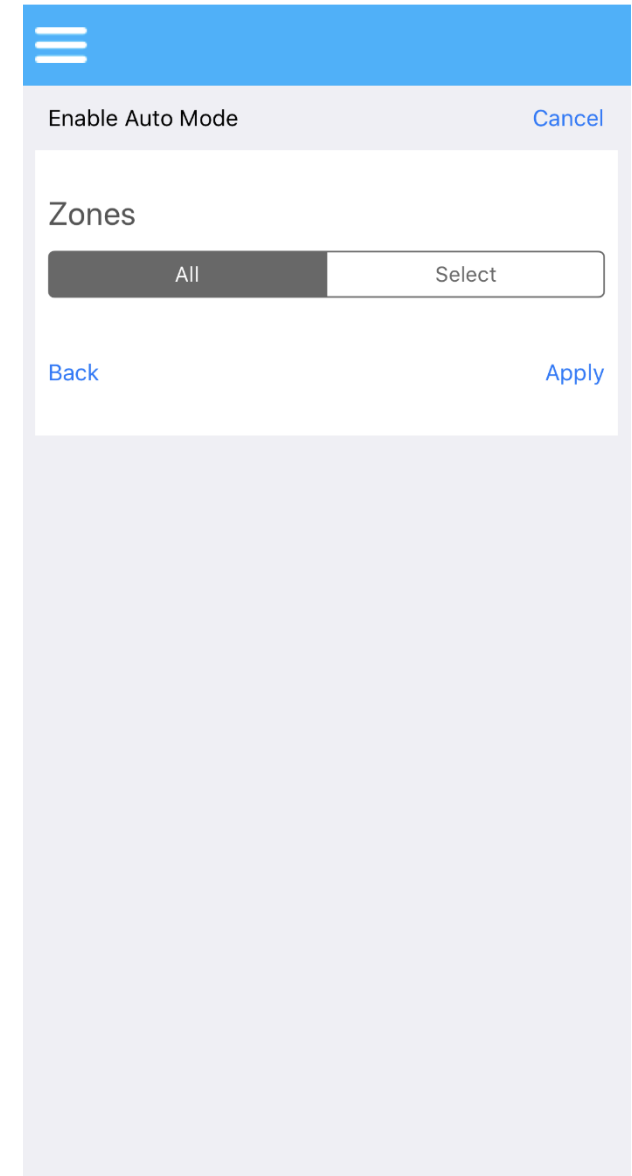
If the switch is OFF the auto feature is not active. If the switch is ON the auto feature is active and the watering schedule will run automatically on each of the selected zones.

To activate the auto feature, tap the Switch.



There are two options when choosing which zones auto mode applies to, [All](#) or [Select](#).

[All](#) will apply auto mode to all zones, enabling the watering schedule on all zones.



Alternatively, **Select** allows you to choose specific zones that you want auto mode to apply to. The watering schedule will only apply to those zones selected.

Adjustments to the selected zones can be made by tapping on their switches.

Once you have configured your zones, tap **Apply** to complete.

Enable Auto ModeCancel

Zones

AllSelect

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

Zone 6

Zone 7

Zone 8

Back

Apply

Once applied, the status of the lichen play will update from **Manual**, to **Auto** or **Idle** if no zones are currently scheduled to run. The auto switch will remain in the ON position until turned OFF again.

NOTE: To cancel auto mode at any time, simply tap on the switch to deactivate it.

Control CenterDone

IdleSat 6:00:44 PM

Auto

Sleep

Eco Mode

Zones

Schedule

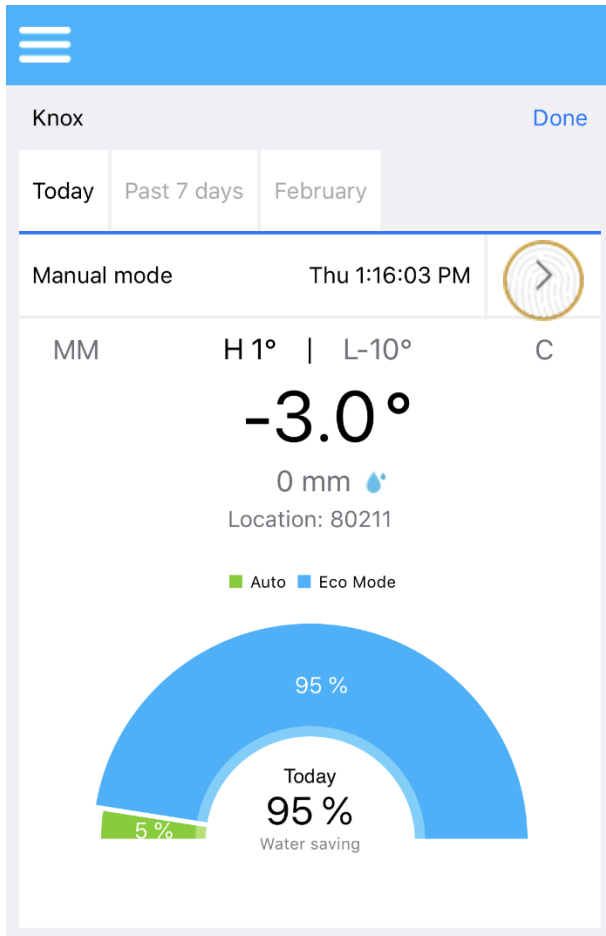
Connection: Cloud

Lichen play includes a feature which allows the user to pause the watering process for a time period, putting selected zones to sleep.

This feature comes in handy when you want to prevent or stop watering for a period of time, and then have it automatically resume.

Example: Sleep comes in handy is when you are planning on having friends or family over for in the afternoon, and you don't want the sprinklers coming on wetting the lawn or even your guests.

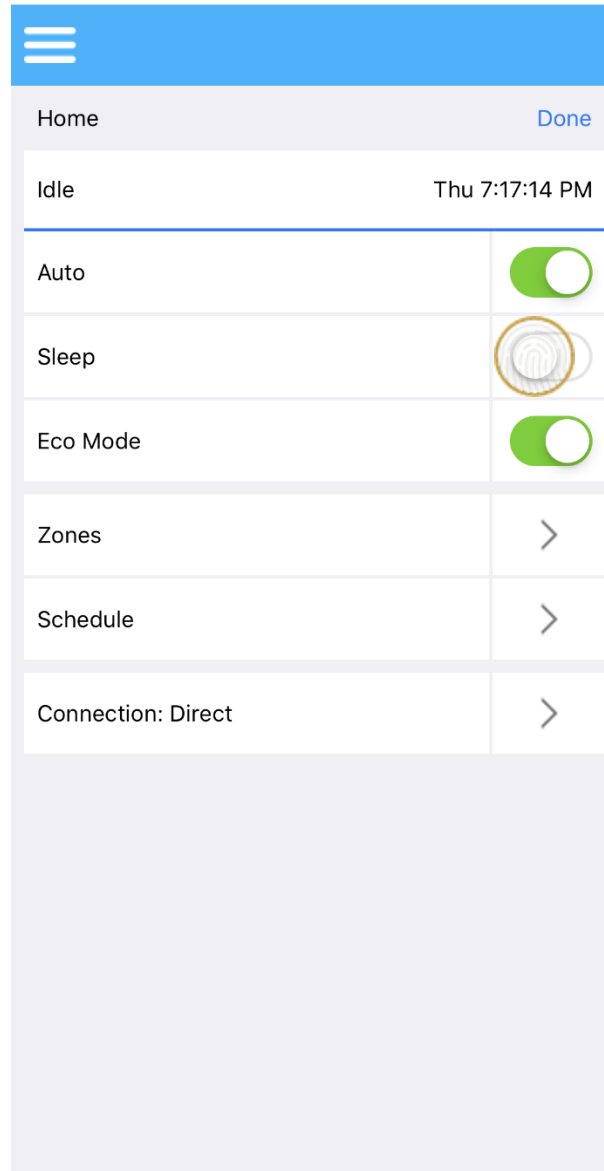
Access the Control Center by tapping the >



From the Control Center, locate the Sleep feature.

If the switch is off the sleep feature is not active. If the switch is on the Sleep feature is active, and once the sleep time has passed, the switch will automatically switch back to the off position.

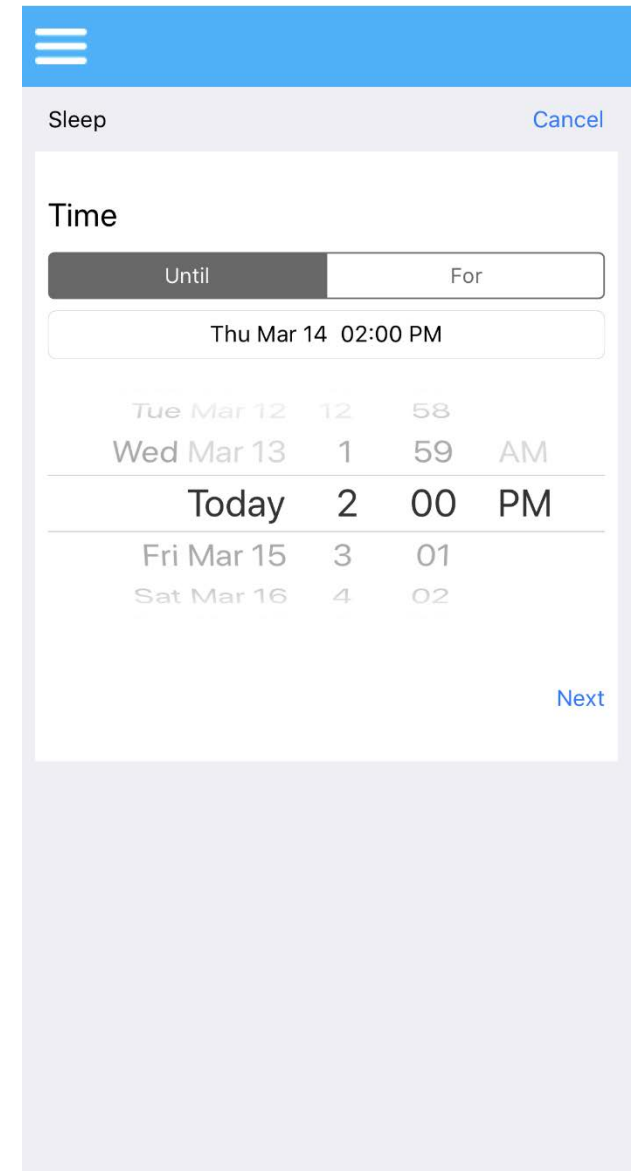
To activate the sleep feature, tap the **Switch**.



There are two options when choosing how long you would like the zones to sleep for, **Until** and **For**.

Until allows you to select a specific date and time which you want the device to sleep until. The default value is the top of the next hour.

Adjustments to the date and time can be made by tapping on the current value.



Alternatively, **For** allows you to select a specific duration of time which you want the zones to sleep for. The default value is 1 hour.

Adjustments to the duration can be made by tapping on the current value.

Once you have configured your sleep time, tap **Next** to continue.

SleepCancel

Time

UntilFor

1 hour 00 min

05859

1 hour0 min

2132

Next

There are two options when choosing which zones the device should sleep, **All** and **Select**.

All will ensure that no zone will water for the duration of the sleep time.

SleepCancel

Zones

AllSelect

BackApply

Alternatively, **Select** allows you to choose specific zones that you want to sleep. This allows the remaining zones to continue their normal watering schedule uninterrupted.

Adjustments to the selected zones can be made by tapping on their switches.

Once you have configured your sleep zones, tap **Apply** to complete.

SleepCancel

Zones

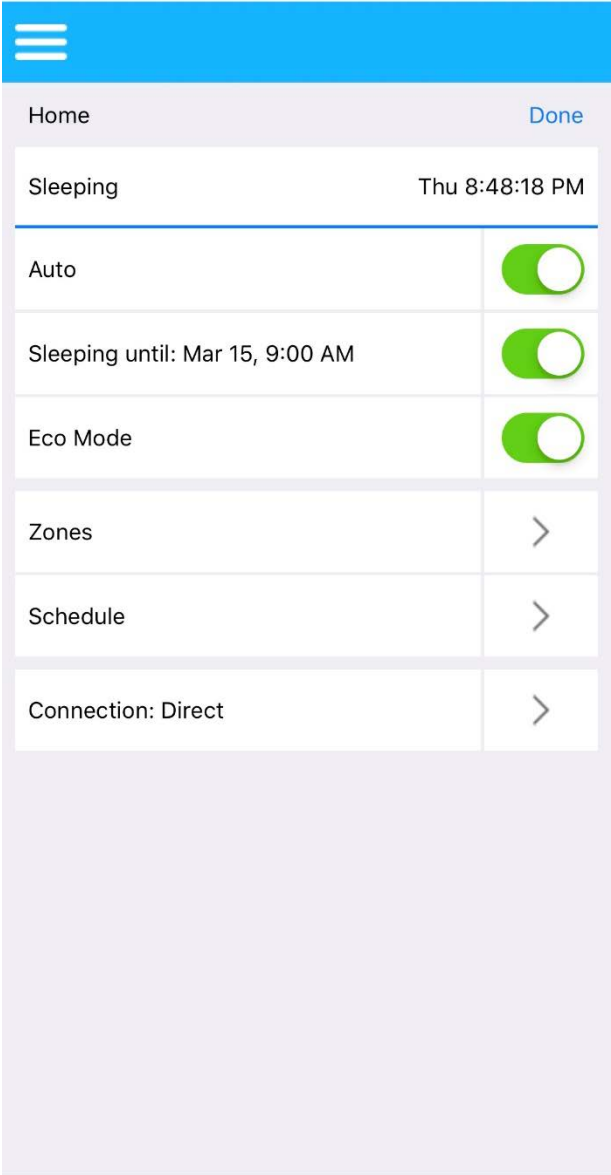
AllSelect

Zone 1Zone 2Zone 3Zone 4Zone 5Zone 6Zone 7Zone 8

BackApply

Once applied, the status of the lichen play will update to **Sleeping**, the sleep time will be displayed for easy reference, and the sleep switch will remain in the ON position until the sleep time has elapsed.

NOTE: To cancel sleep at any time, simply tap on the switch to deactivate it.



10 ECO MODE

Lichen play includes a feature which reduces water usage during cooler and wet weather.

Using the address of the lichen play, the location of the device is determined and used to secure accurate real-time weather observation.

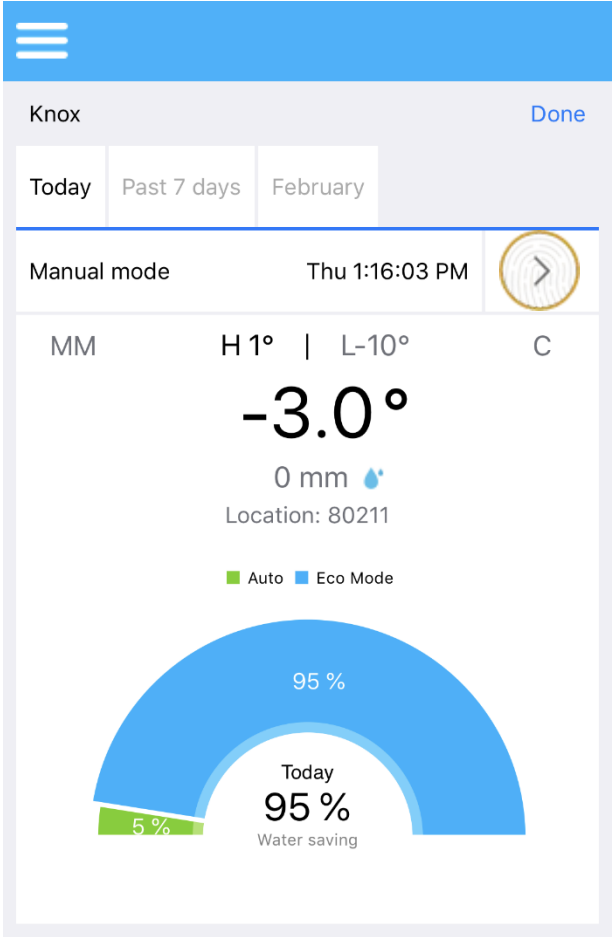
These observations are feed through an algorithm that computes appropriate levels of water reductions designed to use the minimum amount of water while still keeping your lawn and gardens green.

The algorithm even takes into account rain from days previous to slowly ramp back up water usage.

Eco mode can also be apply to select zones, to ensure that covered or climate controlled areas still get a full scheduled watering.

Summary of the forecasted eco mode savings for the day are included below the weather forecast with the device status. In this example a 95% reduction of water usage is expected, primarily due to the cooler temperatures.

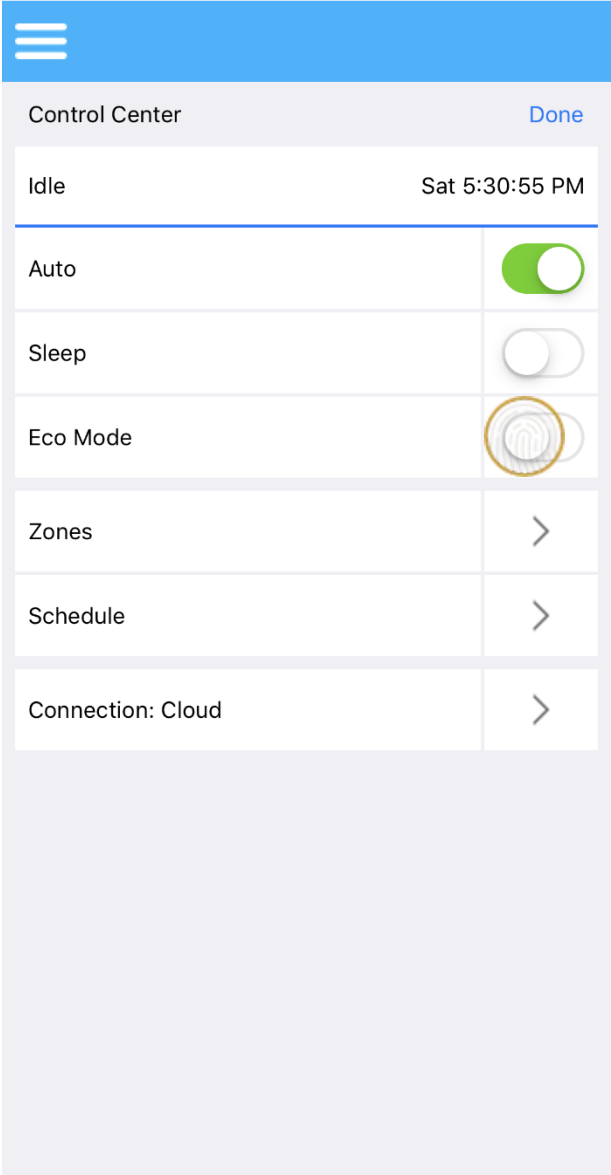
To get started with Eco mode, tap > to Access the Control Center.



From the Control Center, locate the **Eco Mode** feature.

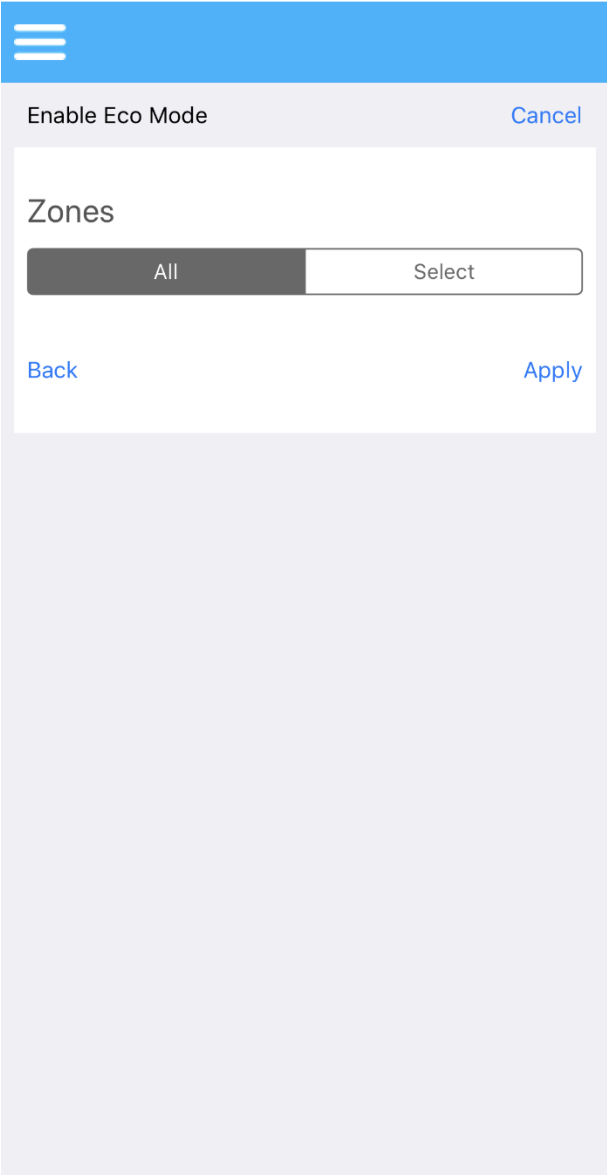
NOTE: If the eco mode switch is OFF the feature is not active, if the switch is ON the eco mode feature is active.

To activate the eco mode feature, tap the **Switch**.



There are two options when choosing which zones eco mode applies to, **All** or **Select**.

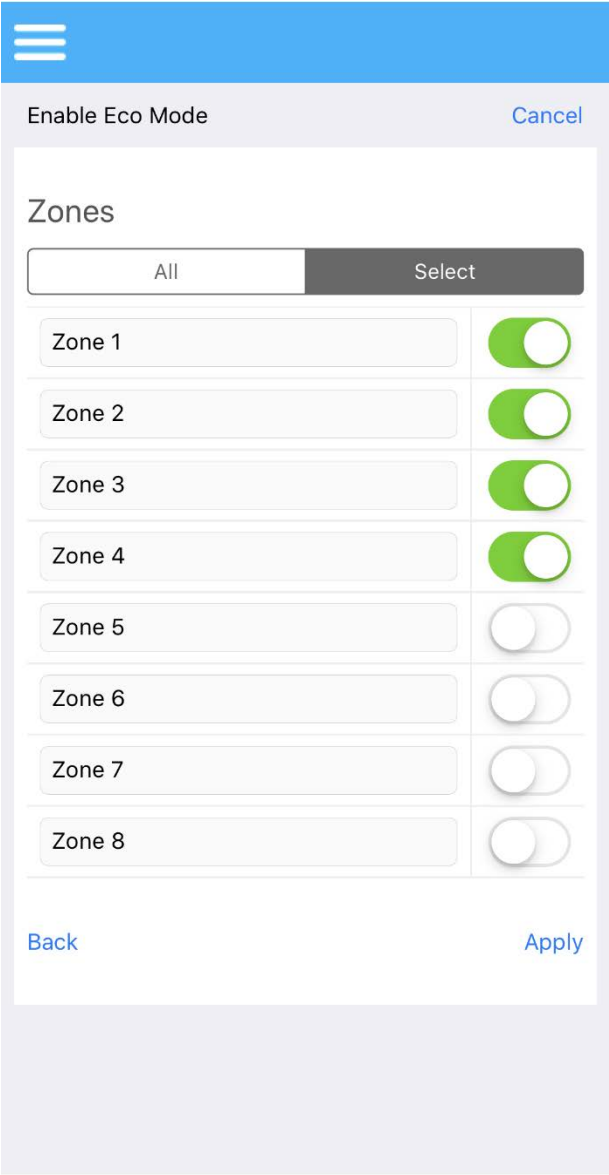
All will apply eco mode to all zones, saving the maximum amount of water.



Alternatively, **Select** allows you to choose specific zones that you want eco mode to apply to. This allows the remaining zones to continue their full watering schedule unmodified.

Adjustments to the selected zones can be made by tapping on their switches.

Once you have configured your zones, tap **Apply** to complete.



Once applied, the eco mode switch will remain in the ON position until turned OFF again.

NOTE: To cancel eco mode at any time, simply tap on the switch to deactivate it.

Control Center

Done

Idle

Sat 5:31:24 PM

Auto

☒

Sleep

☐

Eco Mode

☒

Zones

>

Schedule

>

Connection: Cloud

>