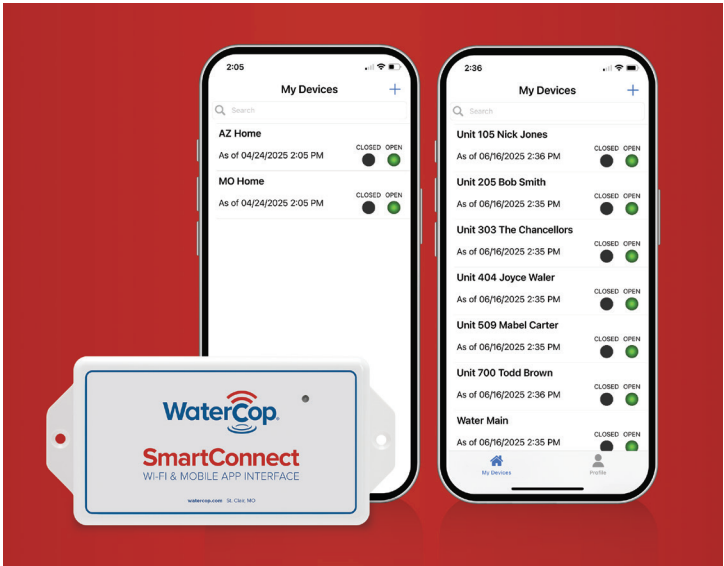




SmartConnect

REMOTE WATER SHUT-OFF



The smart way to get remote mobile control and access to your WaterCop automatic shut-off system.



REMOTE WATER CONTROL



MOBILE APPS



WIFI COMPATIBLE



NOTIFICATION ALERTS



DIRECT ETHERNET



System Description

The WaterCop® SmartConnect is designed to work alongside a WaterCop® System to deliver real time notifications of leaks in your plumbing system and remotely control the WaterCop valve using an app on your smartphone or tablet. The SmartConnect unit is powered by the WaterCop AUX I/O port through a CAT5E or CAT6 cable. The SmartConnect can be connected to the WaterCop with up to 20' CAT5E or CAT6.

NOTE: For older WaterCop systems WCACT1, WPMS, WPMSH, WCNM and WCNM2 units or if more than 20' CAT5E/ CAT6 is required, you will need an external power supply, ACA100 (sold separately). When using the WCSC2 SmartConnect with a splitter, the RJ45 valve position signals change from Dry Contact to 5 VDC output signals. See wiring on page 14 in the Classic Manual for more details.

Included in this box:

- WaterCop SmartConnect device
- CAT5E cable
- Wall mount fasteners/anchors
- Owner's Manual

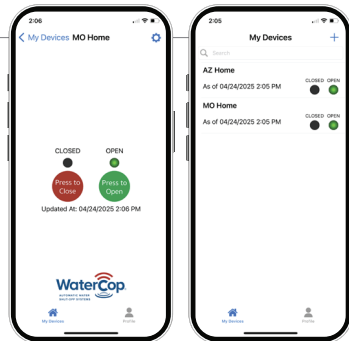
Read Instructions before any installation is attempted. All sections of this manual should be read and completely understood.

How the System Works

The SmartConnect unit receives the valve status from the WaterCop AUX I/O output. The information goes to a cloud server and out to the WaterCop WiFi App on your smartphone or tablet. If a leak is detected, the WaterCop WiFi App notifies you of the valve position change. By checking the Device Log in the app, you can see if the valve closed due to a leak, through the app or by manual command at the WaterCop. You can also open and close your WaterCop valve through the app for complete control of your water supply. The app will also notify you if there's a signal loss from the SmartConnect to the cloud service which may indicate a loss of power or a loss of Internet connection. A separate notification is sent when connection is restored.

System Requirements

- Smart Phone or tablet with the following:
 - Android Version 8.0 or higher/ iOS – 13.0 or higher
 - SIM card or WiFi connectivity
- 2.4 GHz Router with Ethernet connection or a password-protected 2.4 GHz WiFi network
- Bluetooth 4.2 or above
- **WCACT1, WPMS, WPMSH, WCNM** and **WCNM2** require additional power supply, **ACA100** (sold separately)



System and Account Setup

NOTE: Before setup on the WaterCop SmartConnect, verify whether the device will be connected to the Internet via wireless or Ethernet cable. If using WiFi, verify signal strength before choosing the location of the SmartConnect device. Use WiFi access points/boosters to correct poor WiFi signals. Use the supplied short cable if signal is adequate. When running longer cable from the actuator or control panel to the SmartConnect, use CAT5E or CAT6, and keep the maximum cable length 20' or less. If more than 20' is required to get a good signal, the additional power supply (ACA100) is required to power the SmartConnect.

Setup:

1. Remove WaterCop SmartConnect from box.
2. Run a CAT5E or CAT6 cable from the WaterCop AUX I/O port to the SmartConnect location. Power is supplied through the CAT5E or CAT6 cable. If installed on older systems, WCACT1, WPMS, WPMSH, WCNM and WCNM2, the optional power supply, ACA100 (sold separately), is required to power the SmartConnect.
3. It's recommended to make the CAT5E/CAT6 connections while the WaterCop system is powered down. It won't hurt anything if you leave it powered, but it might trigger your valve during the connection. If this happens, simply press the button to return it to the desired valve position.
4. Download the WaterCop WiFi App from the Google Play Store on your Android device or from the App Store on your iOS device. Make sure Bluetooth and Location Services are granted for the app and turned on prior to set up and have adequate cellular or WiFi connection.
5. Open the WaterCop WiFi App from your smart device and click on "Create Your Account" if you don't have one already.
6. Enter all information and click "Sign Up".
7. Open the WaterCop WiFi App and login, if not still logged in.
8. If the LED on the SmartConnect unit isn't flashing white for provision mode, press and hold the reset button on the front for 10 seconds then release.
9. On the My Devices tab, click the "+" button in the top right corner while physically near the WaterCop SmartConnect. **NOTE:** iOS users also click the button to start scanning after the device pops up. Verify the MAC address matches with the label on the device, and click the matching device to select it.
10. Click "Pair" on the Bluetooth request and keep the set up phone/tablet in Bluetooth range of the SmartConnect during provisioning..
11. Follow the prompts in the app to complete setup. **NOTE 1:** If setup is canceled after WiFi is selected in the app, quick press the reset button to reconnect. **NOTE 2:** If your router is a dual band and the setup isn't successful, pause the 5GHz and retry the SmartConnect setup.
12. Mount WaterCop SmartConnect with the supplied wall anchors or other methods to suit the location.

Device Settings Menu

1. Click on the device you need to manage in the “My Devices” tab in the app.
2. Click on the settings icon at the top right.

Edit or Remove Device

1. Click here to update the device name and/or location.
2. Click “Remove Device” to delete the SmartConnect from your app account.

Device Log

Click here to check if the valve closed due to a leak or manual operation.

Setup Contacts for Notifications

1. Click on the device you need to manage in the “My Devices” tab in the app.
2. Click on the settings icon at the top right.
3. Scroll down and select the “Contacts” section.
4. Click “+” and enter the information for the desired notification method/s.
5. Click “Submit”.
6. Click “+” to enter more.
7. Come back here for future additions and updates to contacts.

Update WiFi Network, Password or Get New Router

Go back to Step 8 and provision again using the new 2.4 GHz WiFi network/password.

Switching from WiFi to Ethernet After Initial Setup

1. Connect the port marked “ETHERNET CONNECTION” to the router or switch with a CAT5E or CAT6 cable.
2. Press and release the “RESET” button.
3. The LED should turn solid green, indicating a connection, and the device settings will also update in the app.

Switching from Ethernet to WiFi After Initial Setup

NOTE: These steps apply if the unit was previously connected to the WiFi network. If it wasn't, go to step 8 in the System and Account Setup Section above.

1. Unplug the CAT5E or CAT6 from the port marked “ETHERNET CONNECTION”.
2. Press and release the “RESET” button.
3. The LED should turn solid blue, indicating a connection, and the device settings will also update in the app.

Troubleshooting

Problem	Solutions
Device not discovered in the app after “+” is selected	Ensure Bluetooth is turned on in your phone/tablet and that you’re within Bluetooth range.
	Ensure you granted Bluetooth permission for this app in app settings.
	Press and hold the reset button for 7 seconds.
	Unplug the CAT5E cable and/or power supply from the SmartConnect and reconnect to cycle power.
“UNKNOWN” notification	SmartConnect is powered, but issue with CAT5E or CAT6 connection to the WaterCop RJ45.
“Offline” notification	Loss of power or Internet connection, check system to verify power and Internet connection.
Proof of Possession (POP) doesn’t work	Verify and correct the POP and resubmit.
WaterCop SmartConnect LED isn’t lit or flashing	Check CAT5E/CAT6 connections.
	Ensure 20’ or less is being used to connect to the AUX I/O port. Add ACA100 power supply if over 20’.
The WaterCop system open/close buttons and/or display aren’t illuminated in the app	Check system has power.
	Ensure the SmartConnect is connected to the WaterCop using the “CONNECT TO WATERCOP” port.
Not receiving notifications	Go to “Setup Contacts for Notifications” section in the Manual to add/ verify contact information.
	Check reception and Internet, where applicable.
The WaterCop system open/close buttons are illuminated in the app but there is no valve control	Dual band routers often need the 5GHz paused during SmartConnect setup. Pause 5GHz and go back to step 8 in the setup.

LED Meanings

Flashing White	Provision Mode and ready to setup
Solid Green	Ethernet Online
Flashing Green	Ethernet Offline and searching or searching/installing firmware update
Solid Blue	WiFi Online
Flashing Blue	WiFi Offline and searching
Flashing Red	Unit offline; network not detected

Notification Types

WaterCop Valve CLOSED!

Valve closed due to a leak or command

WaterCop Valve OPENED!

Valve opened due to a command

WaterCop Valve OFFLINE

Power or Internet was lost

WaterCop Valve ONLINE

Power or Internet was restored

WaterCop Valve UNKNOWN

CAT5E/6 issue at AUX I/O port

If you are unable to resolve any of the troubles noted above or experiencing other issues, please contact your Installer directly or WaterCop Customer Service for assistance at 800-545-3636.

FCC Information

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 receiver.
- 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 for help.

The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Operation is subject to the following two conditions:

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

Visit WaterCop.com for your warranty information.



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