StreamLabs®

Contents

StreamLabs® Control

Temporary Bypass Flow Tube

Gasket (4*)

NPT or SharkBite Unions (2)

12V DC Power Adapter

3/4" and 1" come with SharkBite Disconnect Clips**

*Two spare included, only one per fitting required for assembly
**1-1/4" Disconnect Clips can be purchased online

Wi-Fi Indicator LED
Wi-Fi Reset Button
Open Button
Close Button

9V Battery Access Cover (temporary alternate power only)
Power Adapter Plugin
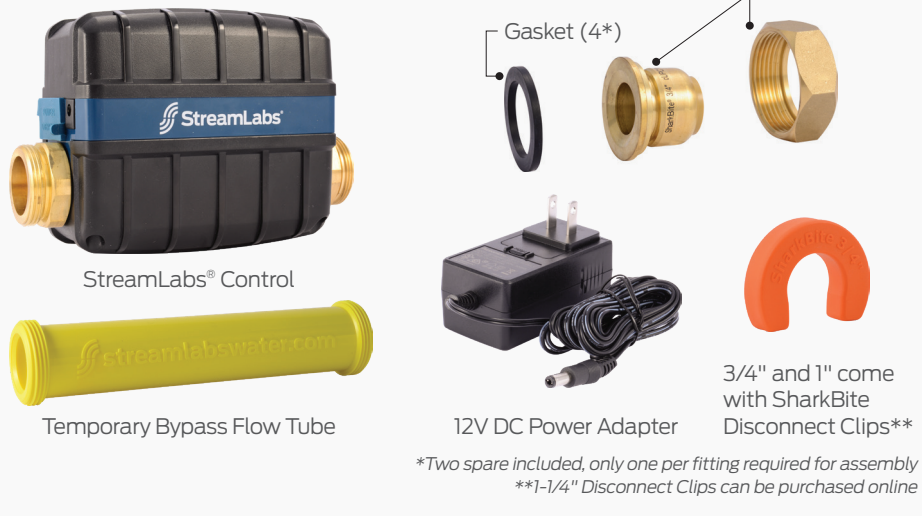
Installation Guidelines

- Failure to comply with all aspects of these instructions may result in unsafe performance.
- All installations must comply with relevant State, Provincial and Local Authority requirements.
- Control can be installed vertically or horizontally.
- If installing a Control with SharkBite® connections on copper pipe, use appropriate grounding clamps and run a jumper wire across the unit.
- Only use the provided StreamLabs DC Power Adapter.
- The temporary bypass flow tube is for new construction or maintenance applications of the Control.
- Max pressure at max temperature: 200 psi at 105º F.
- Control must be installed with correct flow direction as indicated on the bottom of the unit.

Part 1: Setup & Installation

1. Download the StreamLabs App.
2. Create an account or log in to an existing account.
3. Power your Control. The device should not be installed on pipe during initial Wi-Fi pairing.
4. Follow the on-screen instructions in the app to setup and pair your device to your wireless network.
5. Once Wi-Fi pairing is complete, unplug the Control, go to the installation location and reference Part 2.

Part 2: Setup & Installation

1. Locate your incoming cold water line.

The Control should be installed on the incoming water line after a shut-off valve and a pressure regulating valve. The Control is not meant to be used as the main shut-off valve to the house. If you do not have a main shut-off valve or pressure regulating valve, install prior to installing the Control.

Ball Valve   PRV   Cold Water to Home

Flow Direction   Not Monitored   Monitored
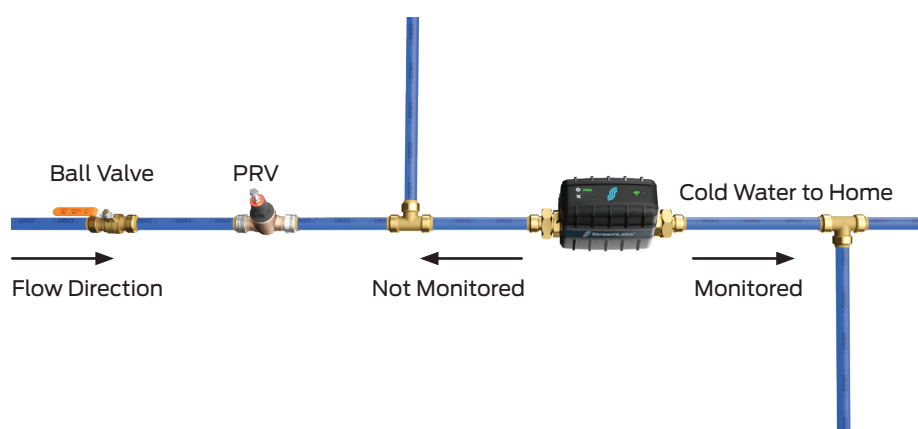
Take note to install the Control prior to any pipe branches. Branches prior to the Control will not be monitored or protected. At your installation location, you must have access to an electrical outlet and a Wi-Fi signal. The Control comes with a DC power adapter with a 10 foot cord. Power adapters of additional lengths can be purchased from StreamLabswater.com.

2. *Check your Wi-Fi strength at your installation location. If there is an inadequate Wi-Fi signal:*

   a) *Choose another location closer to your wireless router.*

   b) *Relocate your wireless router closer to the installation.*

   c) *Purchase a wireless extender to improve Wi-Fi coverage.*

3. Shut off your incoming cold water line.

4. Drain your plumbing system.

5. If installing a Control with SharkBite connections refer to the pipe cut out table below. If installing a Control with FNPT connections, thread your adapters (not included) onto the unions and measure the cutout length.

6. Cut and remove pipe section. Ensure the pipe is cut clean, square, and is free from any dirt or debris.

7. Install unions onto the cut sections of pipe. (If using SharkBite unions, refer to the side 2 for How to Install a SharkBite Push-to-Connect Fitting)

8. Place a gasket into each union.

9. Insert the Control between the unions. Thread the unions by hand onto each side of the Control. Tighten the union nuts with a wrench.

Make sure the device is installed with the directional arrow (found on the bottom of the unit) pointing toward the direction of water flow.

10. Turn the water back on and check the installation.

11. Open a downstream faucet to flush air from your lines.

12. Plug the DC Power Adapter to an outlet and run the cable to power the Control. The device will automatically reconnect to Wi-Fi and the Wi-Fi icon will turn green.

13. Test the Control by opening and closing the valve using the touch panel on the device.

14. Return to the StreamLabs App to complete setup.

Pipe Cut Out Table

Pipe Size	SharkBite Pipe Cut Out Section
3/4 in.	8.5 in.
1 in.	10 in.
1-1/4 in.	10 in.

Making a SharkBite® Connection

1. Check that fittings and pipe are clean, in good condition and are free from damage and foreign objects. Also check that the pipe is free from scratches, cuts, or gouges.

2. Cut the pipe so that the ends are square. Ensure that there are no burrs or damage to the cut end.

3. Once the pipe end is cut square and clean, use the SharkBite Depth Deburr Gauge (sold separately) and a permanent marker to mark the insert depth on the outside of the pipe. (See chart to the right)

4. Insert the pipe through the release collar to rest against the grab ring.

5. Push the pipe firmly with a slight twisting action until it reaches the tube stop, To ensure that the pipe is correctly inserted, check that the depth mark is by the release collar.

Insertion Depth Table

Pipe Size	Insertion Depth
3/4 in.	1-1/8 in.
1 in.	1-3/8 in.
1-1/4 in.	1-7/8 in.

How should I go about selecting an installation location for the Control?

The main water entry line may be located in a basement, utility closet, garage, or crawlspace depending on which type of dwelling it is (a house, townhome or apartment). The main water entry line should have a shut-off valve used to stop the water supply to the home. (Note: this product is not intended to replace the main shut-off valve in a dwelling.) The main water entry line is typically near the water heater. It is the line that splits into the water heater and the cold water for the building. **The Control is compatible with 3/4", 1", and 1-1/4" pipe diameters.**

Install the Control on the main water line, before any branches to other appliances, and after the shutoff valve and pressure reducing valve (PRV). Installing on a pipe other than the main line will not allow you to see all water usage in your home. The Control should only be installed indoors or in a covered, enclosed area where it is safe from excessive moisture, temperature fluctuations, wind, and direct sunlight (such as a crawlspace). **Note:** If you don't have a PRV, you may need to disable your pressure alerts. This device is not intended to serve as the main shutoff valve for your line. **Do not install this product on a fire suppression system.**

The Control requires varying lengths of pipe to be cut when using Sharkbite Push-to-Connect (PTC) fittings.

We are not able to advise on cut lengths or space requirements if you are using National Pipe Thread (NPT) fittings.

Please Note: Consider checking your Wi-Fi signal strength at this location before installing the Control. The Control requires a 2.4ghz Wi-Fi connection for operation. Try opening a browser page on your phone from this location to ensure you receive a signal. The chosen install location must also be in range of a standard wall outlet. The included power supply can reach an outlet a linear distance of 10 feet away from the install spot. 25-foot and 50-foot extension cords are available for purchase on **www.StreamLabsWater.com**.

For more information about the StreamLabs Control, please visit our website at **www.StreamLabsWater.com**.

In what direction and orientation should I install the Control?

The Control must be installed such that the direction of water flow in the pipe matches the direction of the arrow on the bottom of the unit. If you're looking at the top of the StreamLabs Control unit such that the words "open" and "close" are upright and read left to right, the water in the pipe should flow from the left of the unit to the right of the unit.

The Control can be installed either **horizontally** or **vertically** as long as it is installed in the correct orientation with respect to flow direction as shown above.

Wi-Fi Troubleshooting

The Wi-Fi icon will indicate different connectivity status. See below for a guide on how to interpret the Wi-Fi LED.

Amber, single-blinking pattern: The Control is in pairing mode and is waiting for a smart phone or tablet to connect to it during the Wi-Fi setup process.

Amber, solid: A smart phone or tablet is currently connected to the Control. The Control will play a short beeping tune when this connection is successfully established.

Green, double-blinking pattern: The Control is attempting to pair to the Wi-Fi network with the password that was given to it.

Green, triple-blinking pattern: The Control has connected to the Wi-Fi network and is now attempting to reach the StreamLabs servers.

Green, single-blink once every 3-4 seconds: The Control has established a connection to the StreamLabs servers via Wi-Fi and is now online.

If there is an error at any point during the connection or Wi-Fi setup process, the Wi-Fi LED will revert to Amber and the error message will be displayed on the screen in the StreamLabs app.

Certifications

CE   FCC   IC   NSF 61   NSF372   AUS/NZ 4268

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rwc.com

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streamlabswater.com/patents

⚠️ **Warning**: This product can expose you to chemicals including lead which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.