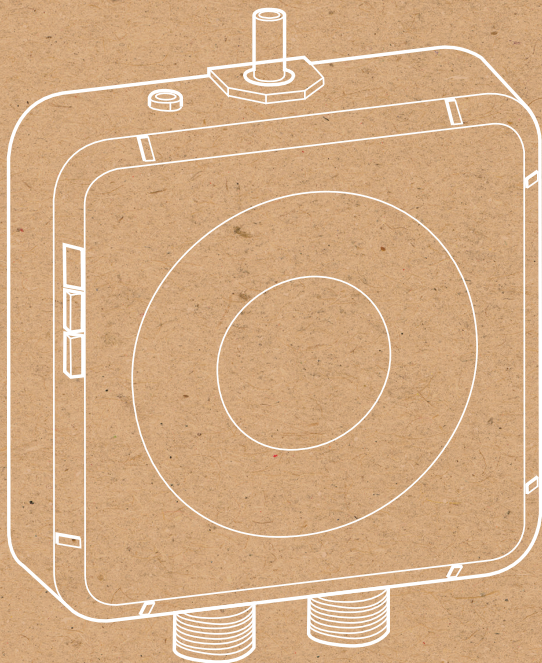


OWNER'S MANUAL



CONTROL BOX



BLUEWATER

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Customer service

See “Troubleshooting” section to solve minor problems before calling service support.

If you need service support, be sure to have the following data (found on the data plate) available when calling your Bluewater dealer:

- Model
- Product number
- Serial number

Environment information



The water purifier is more efficient when purifying water for longer periods. Example: Filling several liters of mineral water or purified water is more efficient per liter than filling just one liter at a time.



Appliances bearing this symbol must be deposited at the designated local reception point for the disposal of electrical and electronic equipment.

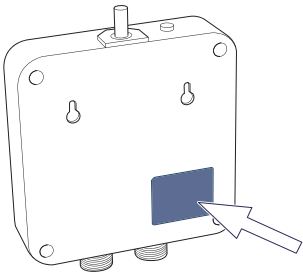
This product may not be disposed of using the normal household refuse collection processes.

Hereby, Bluewater Sweden AB, declares that the radio equipment type CB001 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://www.bluewatergroup.com/documents/>

Operating frequency: 2400-2480 MHz

Output power: Max 2.5mW



SAFETY

Safety instructions

Before you install or operate the device, you must read the safety information. Obey the instructions in this manual to prevent injuries, or damage to the equipment. This manual contains CAUTIONS and NOTES that are applicable for the safe operation of the device.

 A CAUTION symbol identifies conditions that can cause damage to the equipment. **DO NOT USE** device unless all cautionary conditions listed below have been understood and met.

 A NOTE symbol identifies important information for trouble-free and optimal use of the device.

Safety information

 This device can be used by children aged 8 years and above, and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction about the use of the device in a safe way and understand the hazards involved.

 Children shall not play with the device.

 Cleaning and user maintenance shall not be made by children without supervision.

 Always disconnect the device from the power supply before maintenance.

 If the device is damaged or malfunctions, turn it off, disconnect it from the power supply and contact your dealer.

 Do not attempt to open or service the device yourself. Service must be done by the manufacturer, service agent, or similarly qualified personnel using only original Bluewater spare parts.

 Use the power adapter provided with the system to plug directly and firmly into an appropriate electrical outlet. Refer to the rating label on your device.

 The device shall only be used with the power supply unit provided.



The device shall only be supplied at extra low voltage corresponding to the markings on the device.



Use only an external power supply with the following specifications: 12VDC, 2.25A.



Ensure that the power cable and the adapter are not at risk of getting damaged. To avoid hazard, a damaged power cable or adapter must always be replaced by the manufacturer, service agent, or similarly qualified person.



Do not alter the power plug or adapter in any way. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet.



Install according to "Installation Guide". Installation of the device must comply with all applicable local plumbing codes and regulations. Plumbing must be done by an approved plumber. Contact your Bluewater dealer if you have questions. Bluewater, as the manufacturer, has no responsibility for water purifier installations.



Do not submerge the device in water.

PRODUCT OVERVIEW

Control Box

The Control Box is the control center of the system; several accessories may be connected to the Control Box to extend its functionality.

Control Box outside

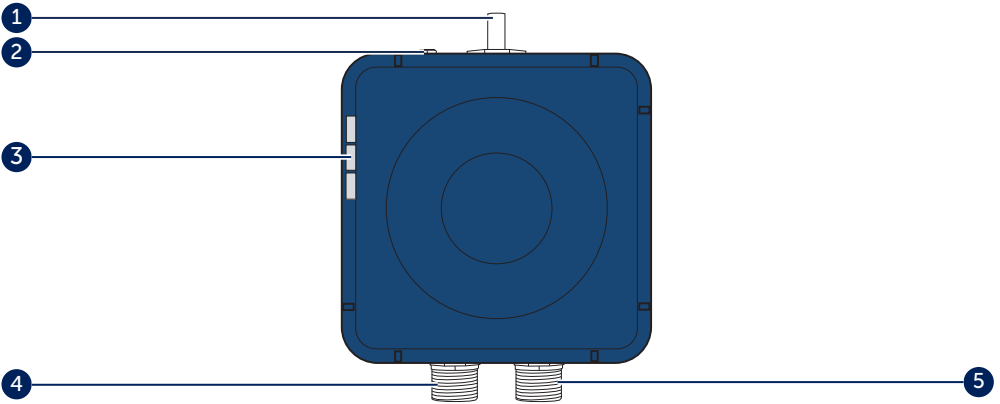


Figure 1. Control Box outside

Pos	Description	Pos	Description
1	Water outlet	4	Water inlet for cold municipal water
2	Power connection	5	Water inlet for purified Reverse Osmosis (RO) water
3	Control panel		

Included components

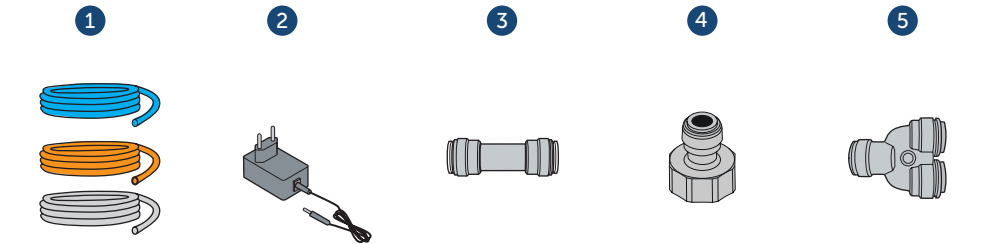


Figure 2. Included components

Position	Description	Pos	Description
1	3/8" x 0.5m tubing x3	4	John Guest female connector 3/8"- 3/4" BSP
2	12V adapter	5	John Guest two-way divider 3/8"
3	John Guest union connector 3/8"		

Control panel

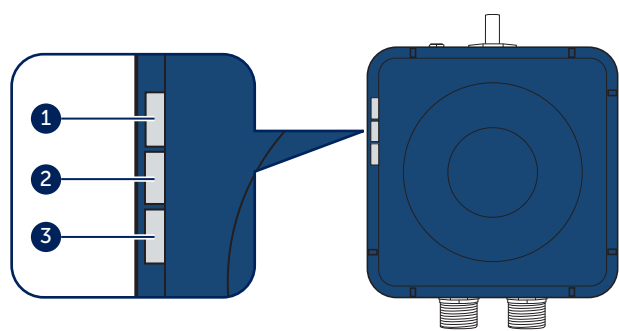


Figure 3. Control panel

Pos	Light		Description
1	OFF ON	 	Control Box is not connected to power. Control Box is connected to power.
2	Off Blue Orange	  	RO and municipal water inlet valves to the faucet are closed. Reverse Osmosis (RO) water inlet valve to the faucet is open. Municipal water inlet valve to the faucet is open.
3	Off Blinking Blue Blinking Orange	  	Normal operation Pairing to a Bluewater device is activated (Bluewater O, Dosing pump). Pairing to phone application is activated.

Pos	Button	Description
2	Off/RO/ Municipal Water Button	Press the 2 nd button to switch between: LED Button Off – No valves to faucet are open. LED Button Blue – RO valve to faucet is open. LED Button Orange – Municipal valve to faucet is open.
3	Pairing Bluewater Devices Button	Press and hold the 3 rd button until it starts blinking, then release. Control Box is now ready to pair with Bluewater devices (Bluewater O or Bluewater Dosing pump).
2&3	Pairing Phone App Button & Pairing Bluewater Devices Button	Press and hold both the 2 nd and 3 rd buttons at the same time until 3 rd button starts blinking orange, then release both buttons. Control Box is now ready to pair with the Bluewater phone application.

SYSTEM OVERVIEW

System description

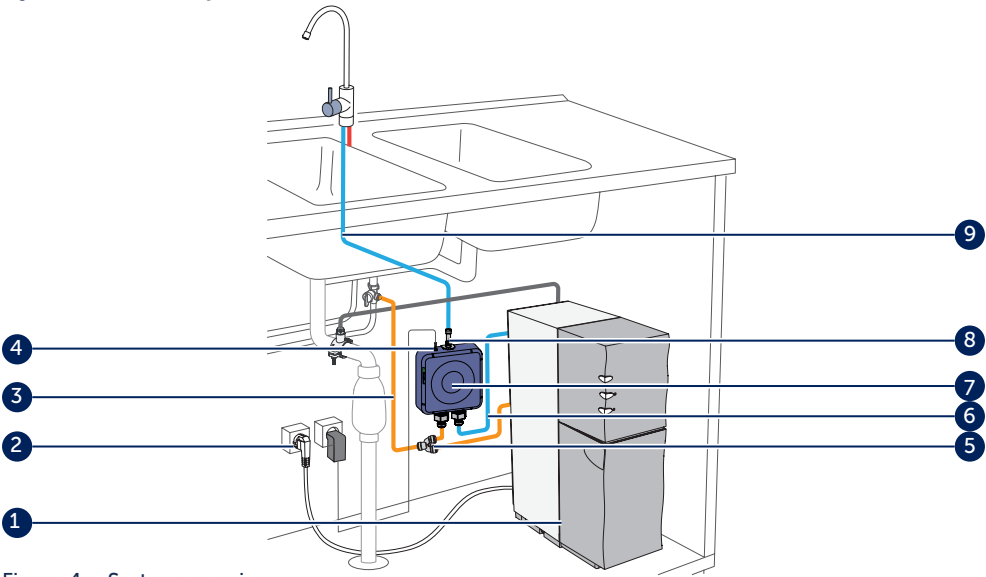


Figure 4. System overview

Pos	Description	Pos	Description
1	Water Purifier	6	Reverse Osmosis (RO) water inlet
2	Purifier power cord	7	Control Box
3	Municipal water inlet (cold water only)	8	3/8" Coupling
4	Control Box adapter	9	Water outlet (to faucet)
5	3/8" Y-Coupling		

Intended use

Control Box expands the functionality of Reverse Osmosis systems by providing four distinct modes: Mode 1, allows users to effortlessly switch between municipal and purified water with the press of a button. Mode 2, provides for precise dispensing of a predetermined volume of purified mineral water, ideal for commercial settings. (Mode 2 requires the Bluewater O.) Mode 3, allows users to effortlessly switch between municipal and purified mineral water with the press of a button. (Mode 3 requires the Dosing Pump.) Mode 4, provides visual confirmation of when water is being used. (Mode 4 requires the Bluewater O.) For detailed installation, setup, and programming information, see the "Installation" section in this manual or the provided "Control Box quick installation guide".

Installation

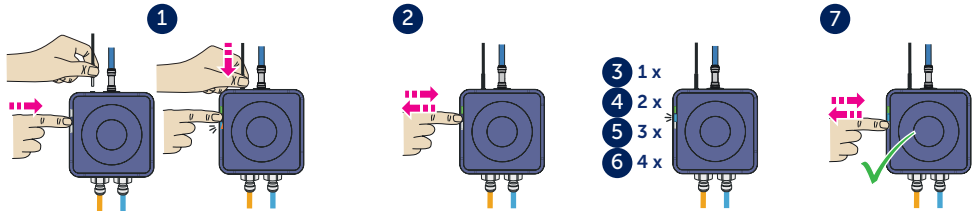
 The Bluewater Control Box can be connected to both a water purifier and a municipal water source. If only purified water is being connected, be sure to block the municipal water inlet on the device with a "Stem plug".



We recommend only Bluewater-approved technicians, distributors, or Bluewater service personnel perform installation, servicing, and repairs on Bluewater devices using only Bluewater-approved parts. If not performed adequately, this can make it operate incorrectly, and lead to injury, and damage not covered by warranty.



For complete installation instructions, refer to the "Control Box" Complete User manual" at www.bluewatergroup.com. "HOW TO INSTALL" guides are also available for installing, programming, and setting up the Control Box, Dosing Pump, and Bluewater O.



Action	Description	
1	Hold down the 2 nd button while connecting the Control Box to a power source. When the 3 rd button starts blinking orange and blue, release the 2 nd button.	The Control Box will enter Mode programming setup.
2	Press and release the 2 nd button.	Switch between modes.
3	Mode 1 2 nd button blinks once, then skips a blink.	Mode 1- The Control Box and Bluewater O will switch between purified and cold municipal water.
4	Mode 2 2 nd button blinks twice, then skips a blink.	Mode 2- The Control Box will dispense a pre-set volume of water when the Bluewater O is pressed.
5	Mode 3 2 nd button blinks three times, then skips a blink.	Mode 3 - The Control Box and Bluewater O switches between pure mineral water and cold municipal water.
6	Mode 4 2 nd button blinks four times, then skips a blink.	Mode 4 - The Control Box will detect water flowing through it and communicate to the Bluewater O to rotate.
7	Press and release the 3 rd button.	Locks in selected mode and exits mode programming setup.

Technical information



For more detailed technical information, see www.bluewatergroup.com.

Parameter	Control Box
Size WxDxH [mm (inches)]	172x53x215 (6.8x2x8.5)
Weight [g(lbs)]	660 (1.44)
Power supply	12 VDC, 2.25A
Operating frequency	2400-2480 MHz
Output power	Max 2.5 mW

MAINTENANCE

Clean the Control Box



Do not use chemicals to clean the surface. Alcohol, petrol, organic and inorganic acids, strong basic chemicals (such as concentrated dishwashing detergent) will cause damage to the surface.



Do not use hard, sharp, or abrasive tools to clean Device.

Step	Action
1	Clean the outer surface with a soft, moist cloth and a weak soap solution to remove dust, stains, and dirt.
2	Dry with a soft dry cloth.

Regular maintenance



Regular maintenance is important for correct function and long-term operation. We recommend only Bluewater-approved service personnel perform maintenance and repairs.

Frequency	Description
Weekly	Wipe off dust from the device.
Monthly	Check connections and ensure that there is no water leakage.
	Wipe off condensation from the outside of the Control Box.
Yearly	Test the purified water every year. If the purified water is not clean, do not drink it. Contact your Bluewater dealer.

TROUBLESHOOTING

How to solve minor problems



If the Control Box stops due to an emergency, disconnect from power and connect again.



For more severe problems, see the collection of Complete User manuals on www.bluewatergroup.com.

Symptom	Cause	Solution
Cannot get water from the faucet.	No power to device. Check the 1 st LED on the Control panel; if it is not Green, Control Box is unplugged from the power cord or the electrical outlet.	Plug the power adapter into the electrical outlet and plug the power cord into the Control Box power cord connection.
	Control panel 2 nd button/LED is Off.	Press the 2nd button/LED on the Control panel until it is Blue or Orange. Blue is for purified RO water; Orange is for municipal water.
	The system is in mode 2, and the Bluewater O is not paired with the Control Box.	Pair Bluewater O™ with the Control Box. For information on pairing, see "Pairing Bluewater Devices Button" in the Table under Figure 3.
	The system is in mode 2, and your system does not have a Bluewater O paired.	Mode 2 does not work without a paired Bluewater O™. If you do not have a Dosing Pump, change to Mode 1. If you do have a Dosing Pump, Change to Mode 3. For more information on modes, see "Mode Programming Setup" in the Table under Figure 3.
Cannot get water from the faucet, and the Control Box 2nd button is blinking blue in intervals.	The Control Box is in "Mode Programming Setup".	Choose the required programming setup mode, then press the 3 rd button. For more information on modes, see "Mode Programming Setup" in the Table under Figure 3.
The Paired devices are not responding, and the 3 rd button on the Control Box is blinking.	The Control Box is in pairing mode.	Remove the power supply from the Control Box and reconnect it to the power supply; this will reset the Control Box.

Bluewater is a world leading water purification company. Headquartered in Stockholm, Sweden, the company helps people and businesses globally enjoy the health and well-being benefits of cleaner, healthier water.

Bluewater innovates, makes and sells compact water purifiers that harness the company's patented reverse osmosis technology to remove virtually all pollutants from tap water, including lead, bacteria, pesticides, medical residues, chlorine and limescale.

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