

# USER GUIDE

**BILLI ECO**



**Billi**<sup>TM</sup>



## Service Support

Thank you for choosing to install a Billi Eco Drinking Water Appliance. Your Eco is manufactured to exacting standards using high quality materials and with proper maintenance and care, should function for many years.

The Billi service representatives to contact for any service requirements or to supply replacement filter cartridges is:

Insert Agent Details

Filter cartridges are also available online at [www.billihome.com.au](http://www.billihome.com.au)

Should any problems arise and our representative is unavailable or unable to help, please use our FREECALL phone number: **1800 812 321**.

### Billi Pty Ltd

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Email [info@billi.com.au](mailto:info@billi.com.au)

### Service & Support

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Tel: 1300 300 316

[www.billihome.com.au](http://www.billihome.com.au)



## Product Warranty

Subject to the warranty exclusions set out below, if a defect in a new product supplied by Billi Pty Ltd (ACN 124 066 717) ("Billi") and purchased by you ("customer") from a reseller authorised by Billi occurs within 12 months of the date of purchase of the product as a result of defective materials or defective manufacture by Billi, and Billi receives a written claim (containing details of the product defect together with a receipt from the reseller of the products showing the date of purchase of the products, or such other proof of purchase and the date of purchase as Billi may accept) within 13 months of the date of purchase, Billi shall, at its discretion:

- a) direct an accredited service provider to attend the customer's premises (provided that the premises are located within Australia) and repair the defect free of charge; but if the customer's premises are located more than 25 kilometres from one of Billi's authorised service agent's locations then the customer will be liable for any increased freight costs, fees, charges or levies Billi may incur as a result of fulfilling its obligations under this paragraph a) of this Product Warranty; or
- b) direct the customer to return the product to Billi so that Billi may provide a replacement product free of charge. If Billi elects to do this, Billi will also pay the necessary freight charges, and the customer will pay for the removal of the product and the costs of reinstalling the replacement product.

Any product replaced or repaired under this Product Warranty will be covered by the product's remaining warranty period, or three months, whichever is greater. If the product or any part thereof is replaced by Billi under this Product Warranty, all of the right, title and interest in and to the replaced product or part shall vest in Billi upon it being replaced.

### WARRANTY EXCLUSIONS

1. Billi shall not be liable under this Product Warranty:
  - a) unless the product was installed correctly and as per the installation instructions supplied with the product;

- b) if the defect is contributed to or caused by any improper usage of the product or usage of the product for purposes other than that for which the product was designed or intended;
- c) if the defect occurs wholly or partially as a result of any act or omission by the customer, or any person other than Billi;
- d) if the product is subject to misuse, neglect, accident or abuse or the customer continues to use the product after the defect becomes apparent;
- e) if the product is damaged as a result of poor water quality;
- f) if the product is repaired, or any attempt to repair the product is made, by anyone other than an authorised repairer of the products acting at Billi's direction; or
- g) if the product is altered or modified in any way unless such modification has been approved in writing by Billi.

2. Notwithstanding anything to the contrary, filters are not covered by this (or any other) Product Warranty.

### LIMITATION OF LIABILITY

3. Except for the Product Warranty set out above, and except for any liability in connection with the supply of goods imposed on Billi by the Trade Practices Act 1974 (Cth) and other similar state and territory legislation (including for breach of implied conditions and warranties) which cannot, or which can only to a limited extent, be lawfully excluded, all liability of, and conditions and warranties relating to the supply of the products by, Billi are hereby expressly excluded. Any such liability which cannot be lawfully excluded is limited, at Billi's option, to any one or more of the following:

- a) the replacement of the goods or the supply of equivalent goods;
- b) the repair of the goods;
- c) the payment of the cost of replacing the goods or of acquiring equivalent goods; or
- d) the payment of the cost of having the goods repaired.



## Warnings



- For continued safety of this appliance it must be installed, operated and maintained in accordance with the manufacturer's instructions.
- Your appliance should be installed by a suitably qualified tradesperson.
- For correct operation of this appliance it is essential to observe the instructions as outlined in this booklet.
- Do not use this appliance with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
- Filter replacement must be performed at intervals of not more than 12 months.
- Use this appliance only as directed in these instructions and only for its designed purpose.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- **DANGER:** The operation of the thermal cut-out indicates a possibly dangerous situation. Do not reset the thermal cut-out until the water heater has been serviced by a suitably qualified person.
- **WARNING:** Do not connect any restrictor or pressure relief device to the vent pipe of this water heater if installed.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid creation of a hazard.
- New hose sets supplied with the appliance are to be used. Old hose sets should not be re-used.

## Cupboard Space Requirements

Your Billi Eco underbench module requires no cupboard ventilation but requires air space around the unit of 25mm. Care should be taken when using the cupboard space, to avoid stretching or damaging plastic pipe work. Check fittings and tubing at each filter change for signs of damage or leakage. Always ensure access to power switch and water supply tap is not restricted.



## General Maintenance

Your Billi Eco has been designed to require minimal maintenance other than replacement of filter cartridges. During each filter change, check all water connection fittings for signs of leakage. Check all tubing for any signs of damage. Check the cupboard area around the base of unit for any signs of moisture. For air cooled units, ensure side vents of the under bench module are kept clear and airflow is not obstructed. Restricted airflow will cause inefficient operation of the refrigeration system.

## Cleaning the Dispenser

Your Billi Eco Dispenser is fabricated from robust metal with a tough protect chrome plating. Care of dispenser is as with any chrome plated tapware. Avoid using abrasive cleaners. Wipe clean using a damp cloth. Use of a non-solvent, non-smearing cleaner such as Windex is recommended. Do not pour water over dispenser.

## Caution and Safety

Boiling water is dangerous and can cause severe burns, particularly with young children. Boiling water must always be handled with caution. Use this appliance only as directed in these instructions and only for the purpose for which it has been designed. Your Billi Eco is designed to be safe and practical. In an environment with young children, it is recommended that the boiling water safety switch is activated.

The following safety features have been included:

- Ergonomic levers control water flow.
- Levers located safely above water outlet.
- Smooth electronically controlled boiling water flow rate. Flow is briefly reduced as water first enters cup to prevent splashing.
- Dispenser remains cool to touch.
- Childproof safety switch.
- Boiling water Safety Isolation mode.



## Normal Operation

### DUAL ACTION LEVERS

To dispense drinking water from your Billi Eco, the hot or cold levers may be depressed or lifted. When lifted, the levers will latch for continuous delivery until released with a light press. The Eco will not dispense hot and cold water simultaneously. Water will not flow if both levers are pressed together.



### DISPENSER SWIVEL

The Eco dispenser incorporates a swivel function, allowing the dispenser to be swung out of the way if more sink space is required. A central position stop provides positive location during normal usage.



### SAFETY TIMEOUT

Your Billi Eco incorporates a water delivery Safety Timeout to prevent an uncontrolled flow of water. Water flow stops automatically after a set time interval. Flow can be started again by releasing and pressing the dispenser lever.

Boiling water timeout – 10 secs; Chilled water – 1 minute.

### DISPENSER INDICATOR ICONS

The boiling water cup icon flashes red while water is heating and remains steady when boiling water temperature is reached. The chilled water drinking glass icon flashes blue when cold water is not yet sufficiently chilled and remains steady once the selected temperature is reached.



### CHILDPROOF SAFETY SWITCH

Your Billi Eco is fitted with a Childproof Safety Lock-out feature to protect against accidental dispensing of boiling water and the risk of burns. When this mode is activated, the safety switch button located on the rear of the dispenser must be pressed and the hot lever lifted or pressed within 10 seconds to dispense boiling water. Hot water dispensing will then be enabled for a period of up to 10 seconds from the last dispense. During this mode, the red hot cup icon is on, and then gives 2 rapid flashes every 2 seconds. To activate, refer to **Options**, page 8.





### **SELF LEARNING TIMER**

Your Billi Eco incorporates an energy saving Self Learning Timer. This timer learns the users behaviour over a period of time (up to one month) and pre-empts the need for water throughout each 24-hour period over a week. Data is lost when the power is removed however learnings from the first days use is applied to the entire learning cycle so the unit will quickly resume intelligent timer operation. When the self-learning timer is enabled the unit will enter standby if no water is expected to be used for a 3 hour or more period. The unit will shutdown completely if no water is expected to be used for a 6 hour or more period. In office environments this feature will typically cause the unit to turn off outside normal business hours, ie: overnight and on weekends. In domestic environments with no one home during working hours the unit will turn off through each weekday but may remain on at night and during weekends. To activate, refer to **Options**, page 8.

### **STANDBY MODE**

Standby operation may be optionally enabled to reduce power consumption. In standby mode the hot water set point is reduced to 72°C and the cold water set point is increased to 18°C. When enabled, standby is invoked after two hours from the time of last use. When a tap is pressed in standby no water is dispensed. The indicators will flash to indicate the water is not ready. The tap can be repressed to dispense water. To activate, refer to **Options**, page 8.

### **BOILING WATER DISABLED MODE**

Your Billi Eco features an additional boiling water Safety Isolation feature. Once activated, delivery of boiling water becomes totally disabled. Chilled water can be dispensed normally. During this mode, the hot cup icon will remain off. To activate, refer to **Options**, page 8.

### **HOLIDAY MODE**

Holiday mode is provided to save energy when the unit will not be used for long periods. In this mode both the water chiller and water heater are disabled and the unit will use very little power. Pressing the Pressure Relief button places the unit in Holiday Mode. The unit will exit Holiday Mode if either the power is turned off then on or if any of the taps are pressed. The Self Learning Timer will ignore user behaviour while the unit is in holiday mode and resume normal operation when the mode is terminated. Holiday mode is indicated by an occasional blink (on) of the Red and Blue tap indicators.



## Options

Operating modes can be selected by the user by entering Options Mode.

Within the options mode, you can set the safety switch through the hot water lever and power save mode through the cold water lever.

### **To ENTER OPTIONS MODE**

1. Turn on the unit and wait for normal operation (icons are both illuminated constantly).
2. Push both the Hot and Cold levers down & then while holding the two levers down press the safety switch at rear of tap. Hold both levers and safety switch for 3 seconds.
3. Icons will flash yellow.
4. Release both the levers & safety switch.
5. Unit is now in options mode.
6. If you wish to change or set the safety switch mode, follow the safety switch settings procedure below. If you wish to change or activate the power saving mode follow the power save mode settings procedure below.

### **SAFETY SWITCH SETTINGS**

The red icon indicates the different safety settings enabled. To change or activate a setting, press and release the hot lever to scroll through the following options;

Red Icon Off indicates the hot tap is disabled.

Red Icon Blinking indicates the safety switch is enabled.

Red Icon On indicates normal operation with safety switch not enabled.

To save new setting and exit Options Mode, press the safety switch and release. Wait 10 seconds for unit to return to normal operation.

### **POWER SAVE MODE SETTINGS**

The blue icon indicates the power save level that is selected. To change or activate a setting press and release the cold lever to scroll through the following options;



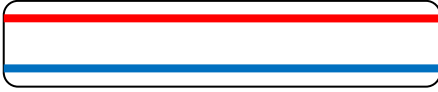


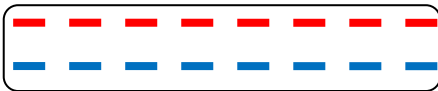


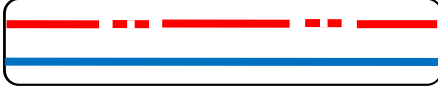





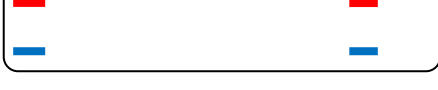


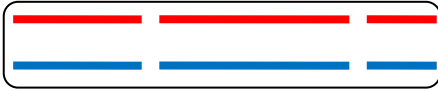


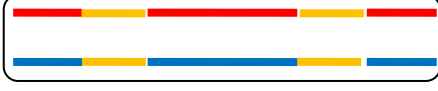



Blue Icon Off indicates Eco Intelligence™ self learning timer is enabled.

Blue Icon Blinking indicates Standby Mode is enabled.

Blue Icon On indicates system is in 24 hour continuous mode.

To save new setting and exit Options Mode, press the safety switch and release. Wait 10 seconds for unit to return to normal operation.

## Dispenser Icon Codes

 	<p>Red</p> <p>Blue</p>		<p>Normal operation</p>
 	<p>Red</p> <p>Blue</p>		<p>Operating temperatures of hot and cold water not yet reached</p>
 	<p>Red</p> <p>Blue</p>		<p>Childproof Safety Lock activated</p>
 	<p>Red</p> <p>Blue</p>		<p>Boiling water disabled</p>
 	<p>Red</p> <p>Blue</p>		<p>System in Holiday Mode or off</p>
 	<p>Red</p> <p>Blue</p>		<p>System in Standby Mode</p>
 	<p>Red</p> <p>Yellow</p> <p>Blue</p>		<p>Filter change due</p>
 	<p>Yellow</p> <p>Yellow</p>		<p>Unit in Fault Mode</p>



## Billi Filter Cartridges

The Billi Eco is fitted with single dual action filter incorporating sediment and chemical removal elements. All Billi Eco filters are manufactured using bacteria and biofilm resistant materials for improved water quality.

Premium filters provide a better tasting water due to the high quality, carbon chemical removal filter. Sub micron rated, these filters have excellent chemical absorption, removing or reducing chlorine, volatile organic compounds (VOCs), chemicals, tastes and odours. Use only genuine filters as designed for this system. All drinking water filtration systems should be flushed after a period of non-use. If your Billi Eco has not been used for a period of 48 hours or more, operate the lever and run water for 1 minute then release the lever.

### REPLACEMENT OF FILTER CARTRIDGES

Periodic replacement of your Billi Eco Filter Cartridge is necessary to maintain the cleanliness of your drinking water. Billi recommends a filter replacement every 6 months. A replacement filter change service is available. If you wish to install the replacement filter cartridges yourself, your Billi representative will provide genuine Billi replacement filter cartridge sets.

### FILTER CHANGE DUE MONITOR

The Eco filter change due monitor operates by counting the number of cups dispensed and the number of days elapsed until a pre-set level is reached. Once reached, the dispenser icons will briefly change to orange once every five seconds. The Eco will continue to operate while the filter indicator is flashing. Water filters installed in areas with higher levels of sediment will experience a reduced service life. It may be necessary to change filters before the change filter indicator flashes. If particularly dirty water is noticed coming through the water supply, e.g. from other tap ware, immediately place your Billi Eco into Holiday Mode by pressing the Pressure Relief button. This will help prevent premature blocking of the filter cartridges.

### FILTER OPTIONS

- 990413 Sub micron rated replacement filter cartridge.
- 990415 Premium sub micron rated replacement filter cartridge.



## FILTER REMOVAL AND REPLACEMENT INSTRUCTIONS

1. Remove the front panel.



2. Place the unit in Holiday Mode by pressing the Pressure Relief button once. The lights on the dispenser will alternate and then go off



3. Hold filter and swing towards you slowly. The top of the filter is in a hinged cradle assembly. It should stop after approximately 30 degrees of travel.
4. The filter can now be released from the holding cradle by pulling down on the filter.
5. Take care not to spill water in the base of the tray. If so wipe gently with absorbent paper.
6. Install new filter into the same location by pushing all the way up into the cradle.
7. Push filter back into the unit until it locks into place. Power light should come back on.
8. Lift cold lever and run until water flow stops. Close cold lever and wait for 10 minutes. Lift cold lever and run until water stops. Close cold lever.
9. Check for any leaks from around the filter, hosing or pipeworks.
10. Replace the front cover.



The logo for Billi features the word "Billi" in a bold, dark grey serif font. The dot above the second 'i' is a red circle, and the dot above the final 'i' is a blue circle. A small "TM" trademark symbol is positioned at the bottom right of the word.

**Billi**<sup>TM</sup>