

HydroTap G5[®]







English

French

Visit our website to download the manuals - scan the relevant QR code above.

For a more detailed version of this guide refer to the comprehensive 'online' user guide.

806835US v1.07 11.22 G5 User guide

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Register product

- Navigate to the register product menu.
- Scan the QR code and follow the on screen steps to register your product.



**The screens referenced in this manual are current as per firmware v0.3.14B.

SECTION 1: SAFETY

1.1 Explanation of symbols





WARNING



Danger of electric shock



Hot surface

1.2 Before you start



Read the WARNINGS and PRECAUTIONS. Download & read the complete Command Center installation instruction manual and user guide.



Read and use the instructions supplied with individual kit components for safe use and installation of replacement consumables.



2.1 Classic Plus, Elite Plus



2.2 Touch-Free Wave



Lights



RED Boiling & safety sensors activated, water dispensed.

BLUE Chilled sensor activated, water dispensed. **WHITE** Sparkling sensor activated, water dispensed.



PURPLE Lock mode on (when faucet is idle). **Flashing RED** Sensor activated incorrectly; hand may be too close to sensor, sensor has been touched or covered.

WHITE / BLUE / RED Cycling 5 to 10 seconds Filter needs replacing, CO₂ warning (G5), unit is in an error mode (refer to Command Center screen).

WHITE Flashing rapidly Sensors calibrating when power is first applied to the tap. Allow 10 seconds.

2.2 Touch-Free Wave continued



2.3 Arc, Arc Plus, Cube, Cube Plus and Celsius



2.4 Classic

Controls

Push for manual dispense. Pull for bottle fill (timed dispense).





ON active (safety lock is always active).



ON Ready to dispense.

FLASHING SLOWLY Water temperature is not at set point.

FLASHING QUICKLY System fault.

Dispense options



O FILTER OFF

Filter within lifespan.

FLASHING SLOWLY Change filter.



2.5 HydroTap Mixer faucets

Controls mixed water

Hot

• Cold

Lift and rotate the lever to dispense mixed warm water.



3.1 How to use the Command Center screen

The Command Center has a color touch screen liquid crystal display.

The screen turns OFF after 5 minutes of non-use. Touch the screen to reactivate.

Navigate to the required screen. Here's an example :

Set the language - from the home screen

Touch the 'top left' icon to navigate to the main menu.

Then touch the general settings icon to navigate to the general settings menu.



Touch the language icon to navigate to the language screen. Touch the relevant language icon to select the language. Touch the metric or imperial icon to select the units.



OFF screen

Touch the power button to turn the Command Center ON or OFF. The LCD screen visually shows OFF when it is non-operational.

You will hear the sound of an internal "click" as the HydroTap Command Center turns ON or OFF.

When OFF, all functions are disabled including heating, chilling, filling and dispensing.

Turning the power back ON will reset the system of any faults.



3.2 Home screen

Status screens shown here are representative and may vary. Use the home screen to monitor the HydroTap status. Touch each icon to view the system status.

Boiling temperature set point

Chilled temperature set point (Chilled models)

CHILLING

12:12 PM



CO₂ gas remaining (Sparkling models)



When the CO₂ cylinder has approximately 20% remaining, a warning appears to encourage you to prepare a replacement cylinder.

Filter life remaining



A warning icon is shown when the filter needs to be replaced. See page 36.

Energy saving settings



View or modify the current active timers and sleep mode actions. See page 30.

3.3 Main menu

Use the Main menu to configure your HydroTap and access features and settings. Touch each icon to access further options.



3.4 General settings



Language



Date and time

Touch the text boxes on the screen and then press + and - to set the current date and time. Press the tick to confirm and save.

÷	DATE & TIME	12:12 PM
	06 Dec 2021	Mon
	10:50 24 Tir	hr ne
	\ominus \oplus	

3.5 System settings

Configure your HydroTap to suit your needs.

Navigate to system settings screen for all system settings.



3.5.1 Filter settings



Filter flush

Use Filter flush during commissioning of a new installation, and after every filter change.

See page 36 for filter change instructions.



FILTER FLUSH

12:12 PM

STEP 1.

Open the filter access door and turn the flush line SHUT-OFF VALVE to the ON position.

STEP 2. Place a 3 gal. bucket under the flush line valve to catch the water flushed through the filter.



Start flush. Approximately 3 gal (10L) of water will flow, for 2 minutes. FILTER FLUSH 12:12 PM RUNNING Water is now being flushed through the filter. This process is automatic and will take 2 minutes. Press pause to pause filter flush. The screen will show the filter has been flushed.

Close the shut-off valve, return the flush line to the filter compartment and close door.

Reset the filter counter (see page 21). 20



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Filter reset

Reset the filter counters after filter replacement and flush.

- Press upper internal or external filter button.
- Press lower button to confirm.



Filter life

Select internal/external filter and edit the filter life (months or litres) and actual usage (days or litres).

When usage exceeds the filter life, the tap lights and screen will indicate to change the water filter.

Default internal water filter life:

- Residential: 12 months or 1000 gal (4000L).
- Commercial: 6 months or 1500 gal (6000L).



3.5.2 Temperature settings



Boiling / Chilled set point

Adjust as required.



Chilled models

Default chill set point: 41 - 48°F (5-9°C) Commercial, 43 - 50°F (6-10°C) Residential. Scroll to select alternatives.

Sparkling models

Chill set point: 37 - 43°F (3-6°C) Commercial, 37 - 45°F (3-7°C) Residential. This set temperature is fixed, for sparkling optimization.

Boiling models

Default set point: 208°F (98°C) Set point range: 154 - 212°F (68-100°C).

Operation: Within 34 - 36°F (1-2°C). of set point.

Note: Boiling water delivery rate will be affected with a higher temperature setting. Up to 6% less energy in standby is consumed with a 208°F (98°C) set point, rather than 212°F (100°C).

A warning icon will appear when setting boiling set point temperatures that are subject to pump cavitation.

Boiling calibration



Take care during boiling calibration as hot steam may vent from the tap spout.

On start-up, the HydroTap self-calibrates, or go to this menu to recalibrate.

Calibration will take around 10 minutes.



3.5.3 CO₂ settings



CO₂ purge

Purge the gas lines when fitting a new CO₂ gas cylinder. Press the green start icon. The purge runs for 30 seconds. Water may be dispensed before CO₂ gas escapes from the tap. The purge process stops automatically.



CO₂ reset

After fitting a new CO₂ cylinder, reset the CO₂ counter.



CO₂ life

 CO_2 life may be adjusted by months or ounces. The Home screen displays a warning when the CO_2 level reaches 20% (see page 15).

 CO_2 life defaults to ounces (oz) absorbed. Months of use may also be selected to trigger a reminder to prepare a replacement CO_2 cylinder.

Usage is dependent on ${\rm CO}_2$ absorption, settings on the HydroTap, and leak-free installation.

CO₂ cylinders are available in two sizes:

- 1.5lb (24oz) (0.67 kg) [approx. 30 gal. (112 litres)] for residential use.
- 5.0lb (80oz) (2.27 kg) [approx. 100 gal. (378 litres)] for commercial use.



3.5.4 Dispense times

Set the "bottle fill" dispense time for each water type.

Minimum dispense time: 5 seconds.

Maximum dispense time: 15 seconds (default).



3.5.5 Light sensor

Follow the on screen instructions.

Ensure the ambient light in the room is typical for operating conditions.

The lights on the tap will flash to confirm calibration.

When the room is darkened below the calibrated light level, the tap lights will turn OFF after 30 seconds if energy settings have been enabled. Refer to section 3.7 (page 30).



3.5.6 Quiet mode

Lowering the fan speed can reduce noise. Increasing it may improve chilling performance.

Select 'Auto' fan speed for the HydroTap to optimize chilling performance automatically.

Residential models: 75% / 100% / Auto (default). Commercial models: 100% (default) / Auto.



3.5.7 Advanced settings 1



Periodic Pulse Reduced Cavitation Mode

Sends two electric pulses every 5 minutes to the pump. This prevents the build-up of air bubbles inside the pump to ensure an even flow of hot water at the tap.

Pre-Pulse Reduced Cavitation Mode

Pulses immediately before boiling dispense to displace the build-up of air bubbles inside the pump and ensure an even flow of hot water at the tap. There will be a 150 millisecond delay before water is dispensed.

Power Pulsing Mode

Applies a closer tolerance to the set temperature, to ensure hot water is maintained as closely as possible to the set point and energy usage is reduced.

3.5.8 Advanced settings 2 (Wave Faucet only)



Wave Faucet Sensor Demister Mode

- Enabled (default): activates the Wave Faucet internal heater to prevent its sensors from being affected by condensation from steam.
- Disabled: choose this option to conserve a small amount of power.

Wave Faucet Lock Mode

- Disabled (default): Chilled or sparkling water can be dispensed by activating the corresponding sensor.
- Enabled: in addition to the chilled or sparkling sensor, the rear sensor must also be activated in order to dispense chilled or sparkling water. This is useful to prevent false activation if a highly reflective surface is present (such as high-visibility reflective tape). Note: Bottle fill is disabled.

3.5.9 System restart

Touch the top circle, then the bottom circle to power down and restart the system. Use this function to reset faults or to reset the settings access password.



3.6 Safety & security



3.6.1 Boiling safety

(Not applicable to Touch-Free Wave Faucet)



Hot isolation (Classic, Classic Plus, Elite Plus only)

- Hot isolation mode provides a further level of protection against accidental dispense of boiling water.
- It is recommended to use hot isolation mode in installations where user training and familiarization do not reduce the risk of harm to a user, of an accidental dispense of boiling water, to an acceptable level when using the safety button alone.
- 3 slow safety button presses are required prior to dispensing.

3.6.2 Passcode protect

Activate passcode protection to limit access to certain settings. Users will be prompted for this passcode when attempting to access settings.

Create a 4-digit passcode and re-enter, as prompted.

The passcode will be deactivated if the HydroTap is reset (powered off and on again).



3.7 Energy saving



3.7.1 Sleep mode



- Disabled (default).
- Enabled: Any attempt to dispense water will bring the HydroTap out of sleep mode. Allow sufficient time for the water to reach the set temperature.

Sleep when...

Select from: It gets dark / Not used in 2 hours / Both

Recalibrate the light sensor after selecting sleep when "it gets dark". Ensure the ambient light is typical for operating conditions (see page 26).



When sleeping

Choose between the following modes:

- Keep hot water at 154 °F (68°C) by default. Chilled water will be kept at set point, for chilled models.
- Turn system OFF: boiling and chilled water will be OFF.



3.7.2 On/Off Timer

The option that is in effect is highlighted.

When OFF, the HydroTap will stop chilling and heating the drinking water.

During OFF mode, any attempt to dispense water will bring the HydroTap back ON. Allow sufficient time for the water to reach the set temperature.

After 30 minutes of non-use, the system will revert to the On/Off setting.

Set Timer

The On/Off timer can be set to the same time every day, on a range of days (weekdays/weekends), or by individual days.



3.7.2 On/Off Timer continued

Select the day or range of days, then set the desired On/ Off times. Touch the tick to confirm and save.



3.7.3 Energy Use

Track energy usage of your HydroTap by viewing the total energy consumed and the energy consumed since the last energy use reset.



The bottom right button is used to reset the 'last period' usage counter.

3.8 Info & logs



Filter Logs

View the filter reset history.



System Faults, Recent Faults

View the current and recent fault history.

\leftarrow	SYSTEM FAULTS		12:12 PM
No.	Desciption	Date	Time
001	Interface fault	04/04/2016	12:30pm
002	Power board fault	05/05/2016	12:30pm
003	Water supply failure	06/06/2016	12:30pm
004	level board fault	07/07/2016	12:30pm
005	Interface fault	10/10/2016	12:30pm
006	Water supply failure	11/11/2016	12:30pm
	\bigotimes	\diamond	

About System

View the system information.

\leftarrow	ABOUT SYSTEM		12:12 PM
	Title Module: App. revision: Serial No: Product No: Calibration: 50L Filtered: Wi-Fi: MAC Address:	Info BCS100 017-H5v0.1.xx 00000000000 H500xx000US N/A N/A BS 0.00 FW 0 00:00:00:00	0.00

3.9 Product serial number

• Touch the product serial number icon in the main menu to view the product serial number.



3.10 Service Technician



 Access to functional and diagnostic aspects of the HydroTap system are limited to qualified Service Technicians only. Contact Zip if you need a Service Technician.



4.1 Changing the internal filter

The tap and screen will indicate that a filter needs to be changed.

Depending on local water quality conditions and usage, the filter may require changing before the filter change indication is shown. You may also need to replace the filter if you notice an increase in chlorine, taste or odor.



Open filter door.



Remove old filter.



Place a cloth or towel under the filter cartridge before removing. Water will drip as the cartridge is removed. Unpack replacement cartridge and remove sanitary cap. Write today's date on the label.

SECTION 4: User maintenance



Moisten connector o-rings.



Fit new filter.

Initiate the filter flush program by scrolling through the menu screen (see page 19).

Clean up and dispose of old cartridge and packaging. If the HydroTap is switched off for a long period of time (e.g. more than a weekend), run water through the chilled water outlet for at least 60 seconds before consumption.

4.2 Air inlet filter maintenance

Remove and clean quarterly.



Rinse off with tap water.



Gently dry with a cloth or towel.

Maintain at least a 2" (50mm) air gap in front of the air inlet screen at all times.

Take care to keep the air inlet clear of blockage.

SECTION 4: User maintenance

4.3 Cleaning



To clean all taps, Command Center and ancillaries, wipe external surfaces with a gentle cleaning agent or a damp cloth and then wipe dry immediately with a clean, dry cloth.



Do not use strong, corrosive, spray or abrasive cleaners.



Command Centers must never be located near or cleaned with water jets.

For the Touch-Free Wave Faucet:

Do not use abrasives to clean the sensor lenses at the sides, top and rear of the Touch-Free Wave Faucet.

Do not use disinfectant sprays without wiping dry afterwards.

This could cause permanent malfunction and void warranty.

SECTION 4: User maintenance

4.4 CO₂ cylinder and regulator





Significant concentrations of CO₂ gas can cause harm.

To prevent leaks, read and use the instructions and safety documents provided with the replacement cylinder, together with these instructions.

- CO₂ cylinders are available in two sizes:
- 1.5lb (0.67 kg) [approx. 30 gal. (112 litres)] for residential use.
- 5.0lb (2.27 kg) [approx. 100 gal. (378 litres)] for commercial use.

Components



4.4.1 G5 CO₂ regulator



Adjust the G5 regulator

- Ensure that the cylinder is connected to the Command Center and that there are no leaks.
- Check the regulator control is turned all the way OFF (anti-clockwise).
- Turn the CO₂ gas ON using the cylinder valve, (anti-clockwise). (dual-gauge regulator).
- Turn the regulator control (clockwise +) to adjust the outlet pressure to 44psi (3.0 bar) on the outlet pressure gauge.

4.4.2 Changing the 5.0lb (2.27kg) CO₂ cylinder



 Turn off cylinder valve & regulator.



• Unstrap.



• Unscrew regulator connection.



• Replace cylinder and refit regulator.



- Turn on the cylinder valve.
- Adjust outlet pressure 44psi (3.0bar).



• Strap in place.



- Test for leaks in these areas
- Test for leaks by brushing with soapy water and looking for bubbles.
- Reseal if leaking, or call Zip for advice and assistance.

8

 Purge, reset and set the CO₂life, (see page 24).

SECTION 4: User maintenance

4.4.3 Changing the 1.5lb (0.67 kg) CO₂ cylinder

5



• Turn off cylinder valve & regulator.



• Unstrap.



• Unscrew regulator connection.



• Replace cylinder and refit regulator.



- Turn on the cylinder valve.
- Adjust outlet pressure 44psi (3.0bar).



• Strap in place.



- Test for leaks in these areas
- Test for leaks by brushing with soapy water and looking for bubbles.
- Reseal if leaking, or call Zip for advice and assistance.

8

 Purge, reset and set the CO₂ life, (see page 24).

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Call US Toll Free 1-833-233-2358 for assistance, service, spare parts or enquiries.

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