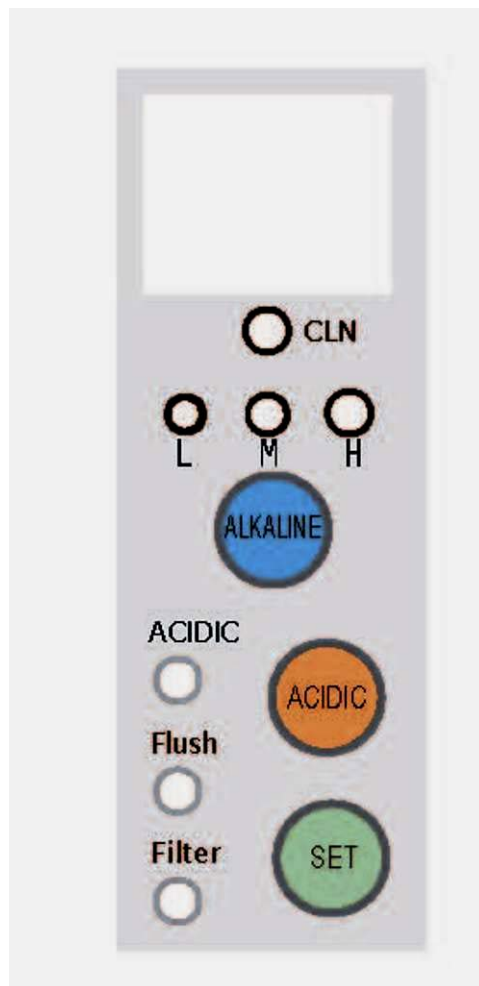


Programming the u7 Water Ionizer

u7 Faucet Control Panel and LED Display



The following functions are set at factory as default values. These default settings are based on “average” water most commonly municipal/city provided water. The default settings should be changed if your source water has unique quality issues, which may be the case if your water comes from private or community wells for example. If you are unsure of your water content/quality (contaminant level, pH, TDS), you should have your water tested.

ALL PROGRAMMING CHANGES MUST BE PERFORMED WITH THE WATER FLOW OFF. YOU CAN NOT ENTER PROGRAMMING MODE WHILE UNIT IS OPERATING (FLOWING WATER).

Programming the u7 Water Ionizer

1.	FILTER LIFE SETTING (in liters)
2.	FILTER LIFE ACCUMULATION SETTING (after installing new TR-2 cartridges)
3.	REVERSE FLUSH VOLUME SETTING (in liters)
4.	ELECTROLYSIS STRENGTH SETTING

1. FILTER LIFE SETTING

USE ONLY IF CHANGING THE FACTORY DEFAULT SETTING

The u7 automatically keeps track of the volume of water that passes through the TR-2 water conditioning cartridges. The “Filter” LED/light on the u7 faucet control panel will activate and the display will indicate “LF” when the preset volume of water (measured in liters) has passed through the TR-2. New TR-2 cartridges need to be installed. The factory preset default setting is **10,000** liters. If you want to change the filters more often (recommended if your tap water is of exceptionally poor quality), you can set the filter change notification to activate sooner as described in the following section on “Programming Filter Life Setting”. If your water begins to taste bad and/or have an unpleasant odor, it is time to change the TR-2 cartridges regardless of whether or not the “filter life” has expired. After changing the cartridges, reset the filter life setting to a lower value so that you will be notified sooner when a filter change is required.

Programming FILTER LIFE SETTING

(1)	Press the SET button on the control panel button for 3 seconds - then RELEASE .
(2)	Quickly press the SET button <i>ONCE</i> again and hold it down (do not release the set button at this point) <i>The factory default setting of 10,000 liters (shown as 10E) will be displayed.</i>
(3)	While continuing to hold down the Set button, Press the ALKALINE button to INCREASE the value. Press the ACIDIC button to DECREASE the value. <i>Example: A 12F value sets the filter life alert at 12,000 liters. A 10F value sets the filter life alert at 10,000 liters.</i>
(4)	Continue to hold down the set button and wait for the display to FLASH 3 times to confirm the setting.
(5)	Release the SET button and wait until the display goes blank indicating it has exited programming mode.

Programming the u7 Water Ionizer

2. FILTER LIFE ACCUMULATION SETTING

MUST BE PERFORMED WHENEVER THE TR-2 CARTRIDGES ARE CHANGED

Each time you install new water conditioning cartridges, you must reset the accumulated cartridge life to zero (0L). A setting of 0L restarts the water flow count at zero. You will need to reset this countdown regardless of whether or not you have changed the Filter Life Setting (#1 above).

Programming FILTER LIFE ACCUMULATION SETTING

(1)	Press the SET button for 3 seconds - then RELEASE .
(2)	Quickly press the SET button again 2 times and hold it down (do not release the set button at this point). <i>The current water volume count will be displayed on the LED display</i>
(3)	Continue to hold the SET button down while you press the ACIDIC button to decrease the reading on the LED display down to zero (0). Continue to press the ACIDIC button until "0L" is displayed.
(4)	Continue to hold down the set button and wait for the display to FLASH 3 times to confirm the setting.
(5)	Release the SET button and wait until the display goes blank indicating it has exited programming mode.

3. REVERSE FLUSH VOLUME

USE ONLY IF CHANGING THE FACTORY DEFAULT SETTING

The u7 automatically flushes (cleans) its electrolysis plates when a preset volume of water has passed through the TR-2 cartridges. This insures that water ionization remains at an optimum level. When this volume of water is reached, the **FLUSH** LED on the u7 faucet control panel will activate and "--" will show on the display indicating that electrode cleaning is in progress. **DO NOT DRINK** the water produced during the cleaning process. This auto clean will last 40~60 seconds. After the flush process is complete, you may continue to use your u7 as usual. The auto clean cycle default setting is **30** liters.

Note: When you use the U7, the volume of water is the total from both the Alkaline and Acidic spouts. 30 liters is approximately 8 gallons. If you produce 4 gallons of Alkaline water, about 4 gallons of Acidic water is going down the drain. 4+4 = 8 gallons and the flushing cycle will begin. Once a cleaning cycle begins it must be allowed to finish. If its interrupted, it will begin again next time the U7 is used.

Programming REVERSE FLUSH VOLUME

Programming the u7 Water Ionizer

(1)	Press the SET button for 3 seconds - then RELEASE .
(2)	Quickly press the SET button again 4 times and hold it down (do not release the set button at this point). <i>The current reverse flush water volume setting will be displayed on the LED display, example "3C" for 30 liters</i>
(3)	While holding down the SET button, Press the ALKALINE button to INCREASE the reverse flush water volume setting. Press the ACIDIC button to DECREASE reverse flush water volume setting. <i>Example: A 3C value sets the reverse flush to occur at 30 liters. A 5C value sets the reverse flush to occur at 50 liters</i>
(4)	Continue to hold down the set button and wait for the display to FLASH 3 times to confirm the setting.
(5)	Release the SET button and wait until the display goes blank indicating it has exited programming mode.

4. SETTING THE ELECTROLYSIS STRENGTH *CHANGING THE FACTORY DEFAULT SETTING*

The u7 power setting must be adjusted correctly to operate correctly. The lower the TDS of the source water,, the higher you will want to set the electrolysis (POWER) setting. The higher the TDS of the source water, the lower you will want to set the electrolysis (POWER) setting.

The factory default setting is **LP (LOW)**

There are a couple ways to determine your water's TDS:

- Municipal water companies publish water reports that include the TDS of the water they provide. You can call the water company or go on line to obtain a copy of this report. Your actual TDS may differ as Municipal water companies report water quality at the source.
- [Ask your EcoQuest Dealer to test your water](#)

General water TDS guidelines and recommended electrolysis strength settings follow:

TDS (ppm)	Setting	Comments
Below 50		Generally this water does not contain enough minerals to be ionized. The only solution is to install a mineralization cartridges to add minerals to the water.
50-80	HP	Sets the electrolysis strength at HIGH power. A mineralization cartridge may still be require to produce satisfactory results.
80-150	CP	Sets the electrolysis strength at MEDIUM power for water testing at a TDS value:
150-700	LP	Sets the electrolysis strength at LOW power for testing at a TDS value

Programming the u7 Water Ionizer

Programming ELECTROLYSIS STRENGTH

(1)	Press the SET button for 3 seconds – then RELEASE .
(2)	Quickly press the SET button again 6 times and hold it down (do not release the set button at this point). <i>The current electrolysis (POWER) default /last setting will be shown on the display: HP, CP, or LP.</i>
(3)	While holding down the SET button, Press the ALKALINE button to INCREASE the electrolysis (POWER) setting Press the ACIDIC button to DECREASE the electrolysis (POWER) setting
(4)	Continue to hold down the set button and wait for the display to FLASH 3 times to confirm the setting.
(5)	Release the SET button and wait until the display goes blank indicating it has exited programming mode.