



# Genesis Duo Quick Start Instructions

## Unpacking / Inspection

Be sure to check your entire water softener shipment for any possible damage that could have occurred in transit. You should have received a resin tank with resin inside and a temporary shipping cap on top. A brine tank assembled with a control valve box inside. Depending on what you added your order there may be additional parts or drain tubing included. If you feel there is an issue with your order, email us at [sales@discountwatersofteners.com](mailto:sales@discountwatersofteners.com) and someone will assist you right away. Your water softener control valve may have residual water inside from manufacturer QC check and the controller may show regeneration already performed by the controller and gallons registered as part of the manufacturer QC program. Small parts, needed to install the softener, are in a parts bag. To avoid loss of the small parts, keep them in the parts bag until you are ready to use them.

**Upon startup of your control valve if the setting for the "Water Supply" is set to "Municipal" your control valve will not give you a backwash step. We suggest setting your water source to "Well/Other" until after startup is complete so you can do the initial backwashing of the resin. After the startup is complete you can change your water setting back to "Municipal" if your water source is municipal.**

## Installation & Start Up

1. Install unit as per local plumbing codes. (Refer to detail instructions in Owners Manual) Avoid pinched o-rings during installation by applying (provided with install kit) NSF certified lubricant to all seals. Be sure to leave the unit in the "BYPASS" position. Attach upper screen cone to underside of control valve.
2. Connect the drain line to the valve.
3. Connect the brine line from the valve to the air check / safety elbow. Double check to make sure all connections are assembled correctly and the brass and plastic nuts are tight and secure to prevent leaks. Be sure to install the tube insert in the brine tubing before connecting the brine tube to the control valve.
4. Add at least 5 gallons of water to the brine tank.
5. Add at least 1 bag (about 40lbs of water softener salt) to the brine tank.
6. Plug the power transformer into an approved power source. Connect the power cord to the valve. When power is supplied to the control, the screen may display "INITIALIZING WAIT PLEASE" while it finds the service position.
7. Manually step the valve past the BRINE position to the BACKWASH position. If screen is locked, press SETTINGS for 3 seconds to unlock. Press and hold the MANUAL REGEN. Key for 5 seconds. Press any key to skip the BRINE cycle.
8. Once in the BACKWASH cycle, open the inlet on the bypass valve slowly and allow water to enter the unit. Allow all air to escape from the unit before turning the water on fully then allow water to run to drain for 3-4 minutes or until all media fines are washed out of the softener indicated by clear water in the drain hose.
9. Press any button to advance to the RINSE position. Check the drain line flow. Allow the water to run for 10-15 minutes or until the water is clear.
10. Press any button to advance to the REFILL position. Check that the valve is filling water into the brine tank. Allow the valve to refill for the full amount of time as displayed on the screen to insure a proper brine solution for the next regeneration.
11. The valve will automatically advance to the SERVICE position. Open the outlet valve on the bypass, then open the nearest treated water faucet and allow the water to run until clear, close the tap and replace the faucet screen.
12. Program unit.

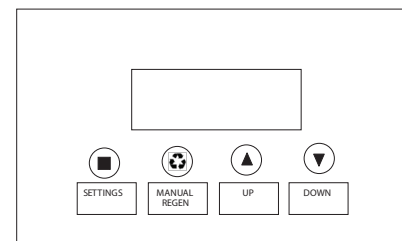


Figure 1. Key Pad Configuration

## Programming Guide

Press the SET UP MENU key to enter the programming mode. Use the UP or DOWN key to adjust the value. Press SET UP MENU again to accept the value and advance to the next option.

TIME OF DAY  
12:01 PM

YEAR  
2012

MONTH  
AUGUST

DAY  
21

SET HARDNESS  
20 GRAINS

SET PEOPLE  
4

SALT SETTING  
HIGH EFFICIENCY  
STANDARD  
IRON & MN

WATER TYPE  
MUNICIPAL  
WELL / OTHER

REGEN TIME  
2:00 AM

PROGRAMMING  
COMPLETE

### SET HARDNESS

This value is the maximum compensated water hardness in grains per gallon of the raw water supply. It is used to calculate the system capacity. If Ferrous Iron is present add 5 gpg for every 1 ppm of Ferrous Iron.

### SET PEOPLE

This value is the number of people living in the home. It is used to calculate the amount of water needed for daily use and the reserve capacity of the system.

### SALT SETTING

Choose HIGH EFFICIENCY setting for your salt setting your system will utilize 3lbs of salt per cubic foot of resin. It is recommended you remove the salt grid in the brine tank for proper operation.

Choose STANDARD setting to maximize system capacity and utilize 6lbs of salt per cubic foot of resin. This is the recommended salt setting for your system.

For Choose IRON & MN only one small change. Under "Note:" please change it to: A resin cleaner may also be needed to properly clean the resin when higher iron levels (3 to 5ppm) are present.

### WATER TYPE

If you are on clean city water choose the MUNICIPAL option so that the unit does not waste water performing a back wash every regeneration. If you are on well water or other choose WELL / OTHER to perform a back wash every regeneration.

**After all installation and programming is complete, wait 6 hours and then perform a manual regeneration to get soft water.**

## Installation

- Place the softener as close as possible to the pressure tank (well system) or water meter (city water) and a floor drain or other acceptable drain point (laundry tub, sump, standpipe, etc.).
- Connect the softener to the main water supply pipe **BEFORE** the water heater. **DO NOT RUN HOT WATER THROUGH THE SOFTENER.** Temperature of water passing through the softener must be less than 100 deg. F.
- Keep outside faucets on hard water to save soft water and salt.
- Do not install the softener in a place where it could freeze. Damage caused by freezing is not covered by the warranty.
- Put the softener in a place water damage is least likely to occur if a leak develops. The manufacturer will not repair or pay for water damage.
- A 120 volt electric outlet, to plug the included transformer into, is needed within 6 feet of the softener. Be sure the electric outlet and transformer are in an inside location, to protect from wet weather.
- If installing in an outside location, you must take the steps necessary to assure the softener, installation plumbing, wiring, etc., are as well protected from the elements, contamination, vandalism, etc., as when installed indoors.
- Keep the softener out of direct sunlight. The sun's heat may soften and distort plastic parts.

