



BTC-ASV Bluetooth®
Battery Powered Irrigation Timer



I N S T R U C T I O N M A N U A L

FCC certified | Bluetooth® certified | Waterproof | 3-year Limited Warranty

1. INTRODUCTION

Thank you for purchasing DIG's BTC-ASV Single Station Battery Operated Timer. This manual describes how to get the BTC-ASV series timer up and running quickly. After reading this manual and becoming familiar with the basic functionality of the timer, use the manual as a reference for less common tasks in the future.

2. ABOUT THE BTC-ASV BATTERY OPERATED TIMER

The BTC-ASV series irrigation timer employs the latest in Bluetooth® technology using the free DIG BTT app for Android™ or iPhone®. The BTC-ASV is available as a single station battery operated timer and is powered by two AA batteries that can last up to one year using name brand alkaline batteries. The timer is enclosed in a compact, waterproof housing to protect it from degradation.

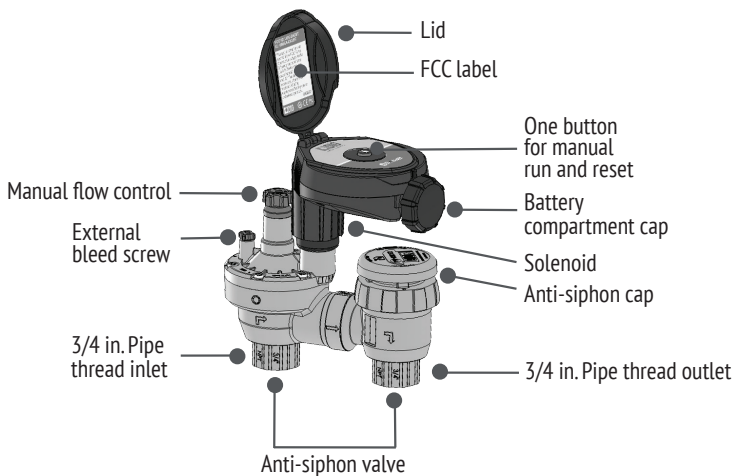
3. INSTALLING THE BATTERIES

1. Open the battery compartment cap by turning it counterclockwise.
2. Install two fresh, brand name, AA alkaline batteries (not included) and note the proper direction of the positive and negative orientation on the underside of the timer.
3. Insert and screw the battery cap clockwise. Make sure to securely tighten the cover firmly by hand only.

The timer will now appear on the smartphone app and is ready to be connected to and programmed.



4. ANTI-SIPHON VALVE COMPONENT IDENTIFICATION



5. ANTI-SIPHON VALVE INSTALLATION

The BTC-ASV can be installed directly to PVC pipe with two PVC male adapters (not included). Inlet 3/4 in. FNPT, outlet 3/4 in. FNPT.

Rated operating pressure: 10 to 125 PSI

Recommended operating pressure: 10 to 80 PSI

NOTE: The BTC-ASV must be installed at least 6 in. higher than the highest sprinkler head on the system or back-drainage may occur. Additional control valves must not be installed downstream of the anti-siphon valve. The valve must not be operated continuously for more than 12 hours in any 24-hour period. Consult local codes for specific details.

1. Flush main line until water runs clear before installation.
2. Shut off main water supply.
3. Install the anti-siphon valve directly to PVC pipe using 3/4 in. PVC male adapters (Figure 5a and 5b) or use 3/4 in. schedule 80 nipple. The arrow on valve body indicates direction of water flow.

NOTE: Wrap all fittings with Teflon tape. Do not use pipe cement on the valve as this will damage the valve and void the warranty. Make sure when wrapping fittings with Teflon tape that no excess gets into the internal assembly. Tighten the fittings with a wrench, but do not over tighten.

4. Turn the main water supply on and pressurize the system.
5. To test the BTC-ASV, press the button on the unit. A click will be heard, indicating the valve is open. Check that the system is operating correctly and press the button again to turn it off. A second click will be heard indicating that the valve closed.
6. The unit is now ready to be programmed.

Figure 5a

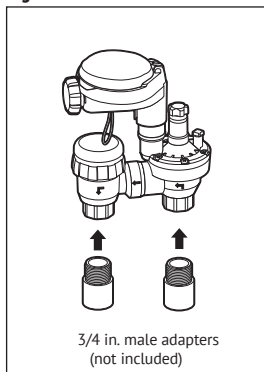
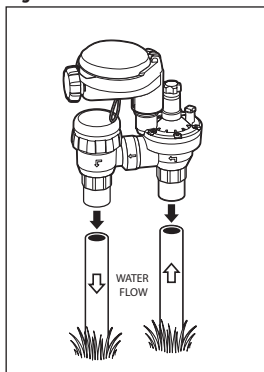



Figure 5b



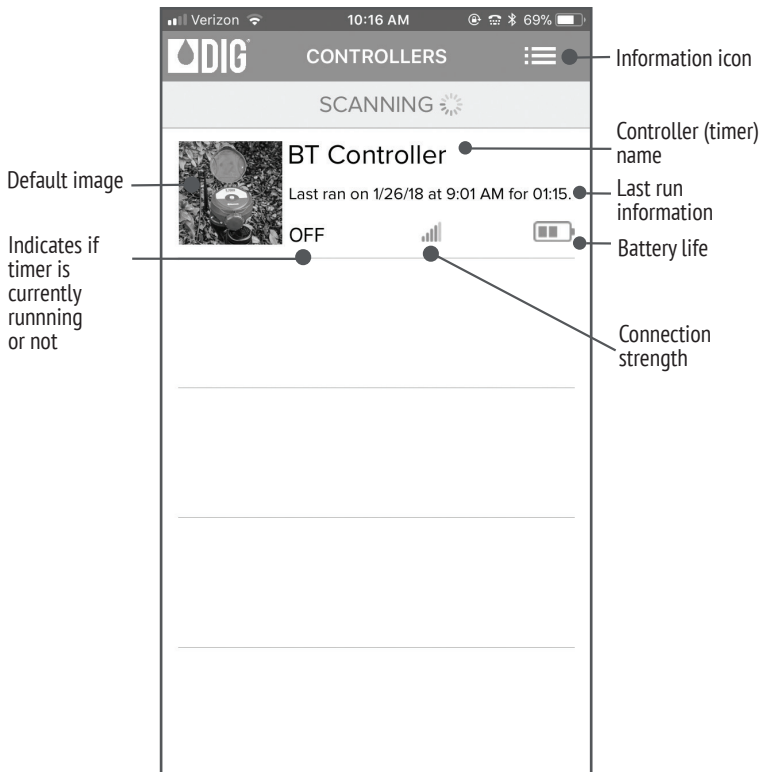
APP SCREENS OVERVIEW

The DIG BTT app automatically scans for nearby timers and controllers after installation. Any DIG Bluetooth® timers and controllers within 50 ft. (15 meters) line of sight will appear on screen.

- Your new timer will appear as the BT Controller. Its default image, status (watering -on- or not watering -off-), connection strength, and battery life will appear alongside it.
- Tap on the controller to connect to it and start programming.

You can access Connection History and Contact Us through the information icon  in the top right corner of the screen.

- The Connection History allows you to see every controller and timer connected to from this phone or tablet. It stores the data it last received from each timer, but no editing can be done. Deleting an entry will remove all the saved data for that unit. Any passwords and/or pictures need to be reentered. To delete an entry, tap it and select the trash icon.



HOME SCREEN

Once connected, the Home screen will appear. This screen has everything needed to program the timer.

By default, the timer's Program is off. To turn it on, push the switch under the "Program" area. It will turn green and the Program area will light up indicating that the program is active and can now be modified.

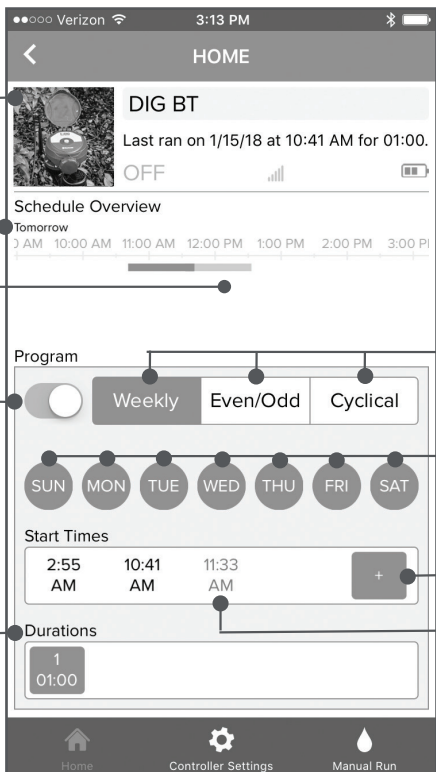
The timer is now ready to be programmed. Simply select the schedule (weekly, even/odd, or cyclical), set your start date or days, add times, and set a duration. The timer is updated immediately each time a button is tapped.

Picture of timer

Schedule Overview:
Shows a chart with current program run times. Red lines indicate that there is an overlapping start time

Activate or deactivate the program

Run time for valve



Program schedule

Weekly days settings


Up to five start times. Select an existing start time to edit/delete. Red start times are overlapping and will not run

Home
(current page)

Controller settings

Manual run


CONTROLLER (TIMER) SETTINGS

The controller's Settings screen contains everything else needed to fully control your irrigation system. It can be reached by selecting the Controller Settings button  on the bottom of the screen. On this screen you can turn on or off the entire system through the System Active switch, add a rain delay to shut off the timer for a limited time, budget each month to modify the watering duration based on the season, set specific dates on which the timer should not run, and view 12-month history of the timer.


Use the settings menu to rename the timer to something memorable and upload a picture for easy and fast recognition for future viewing. Set a password to prevent unallowed users from connecting to your timer. The password is saved to the phone so it will (almost) never have to be entered again (unless it's changed or when connecting to the timer with a new phone).



MANUAL RUN

The Manual Run screen allows for manual operation of the timer. It can be reached by selecting the Manual Run button  on the bottom right of the screen.

To manually run the timer, tap the button on the right of the screen. This button can also be used to stop any existing run. The default manual run time is for five minutes; this can be changed by tapping on the time and changing it.

The timer can also manually run from the timer itself by tapping the water droplet button . The duration of this manual run is equal to the duration of the scheduled program. The button can also be used to end any watering.



RESET TO FACTORY DEFAULTS

Press and hold the button on the BTC-ASV for 15 seconds. This will remove all app settings, historical information, and any set passwords. This is the only way to remove a password so try not to forget it!

TECHNICAL ASSISTANCE

Should you encounter any problem(s) with this product or if you do not understand its many features, please refer to this operating manual first. If further assistance is required, DIG offers the following customer support:

- DIGPRO Technical Service USA: DIG's Technical Service Team is available to answer questions in English and Spanish from 8:00 AM to 5:00 PM (PST) Monday-Friday (except holidays) at 1.800.344.2281 or 1.760.727-0914.
- Questions also can be e-mailed to questions@digcorp.com or faxed to 760.727.0282.
- Specification documents and manuals are available for download at www.digcorp.com.
- Customer Assistance Outside the USA: Contact your local distributor

FCC

This device complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. The device should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device must not be collocated or operating in conjunction with any other antenna or transmitter.

I. Changes or modifications not expressly approved by DIG Corporation could void the user's authority to operate the equipment.

II. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

III. Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

WARRANTY

DIG CORPORATION warrants these products to be free from defects in material and workmanship for a period of three years from date of purchase. This warranty does not cover damage resulting from accident, indoor uses, misuse, neglect, modification, improper installation or subsection to line pressure more than 125 lbs. per square inch for anti-siphon valves, in-line valves and from an actuator. This warranty shall extend only to the original purchaser of the product for use by the purchaser. The obligation of DIG CORPORATION under this warranty is limited to repairing or replacing at its factory this product which shall be returned to the factory within three years after the original purchase and which on examination is found to contain defects in material and workmanship. DIG CORPORATION SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND; THE SOLE OBLIGATION OF DIG BEING LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. Unattended use for prolonged periods without inspection to verify proper operation is beyond the intended use of this product, and any damage resulting from such use shall not be the responsibility of DIG CORPORATION. There are no warranties, which extend beyond the description on the face hereof. In the case of purchase of the product for use other than, for irrigation purposes, DIG CORPORATION hereby disclaims any implied warranties including any warranties of merchantability and fitness for a particular purpose. In the case of the purchase of the product for personal, family or household purposes, DIG CORPORATION disclaims any such warranties to the extent permitted by law. To the extent that any such disclaimer or implied warranties shall be ineffectual, then any implied warranties shall be limited in duration to a period of three years from the date of the original purchase for use by the purchaser. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. In order to obtain performance under this warranty, the unit must be returned to the factory, along with proof of purchase indicating original date of purchase, shipping prepaid, addressed as follows: DIG CORPORATION, 1210 Activity Drive, Vista, CA 92081. Repaired or replaced units will be shipped prepaid to the name and address supplied with the unit returned under warranty. Allow four weeks for repairs and shipping time. Repair of damaged units not otherwise within warranty may be refused or done at a reasonable cost or charge at the option of DIG CORPORATION. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.



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