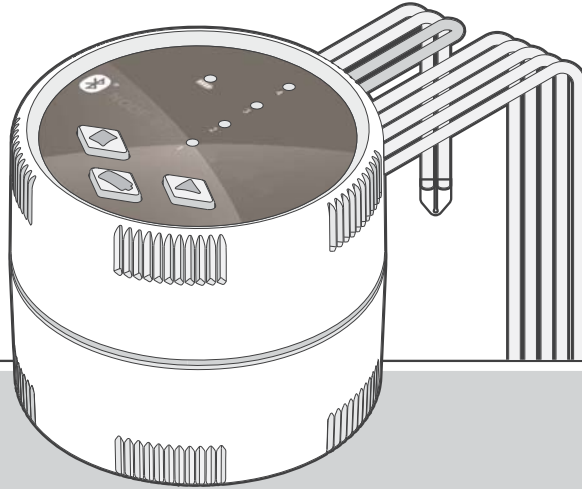


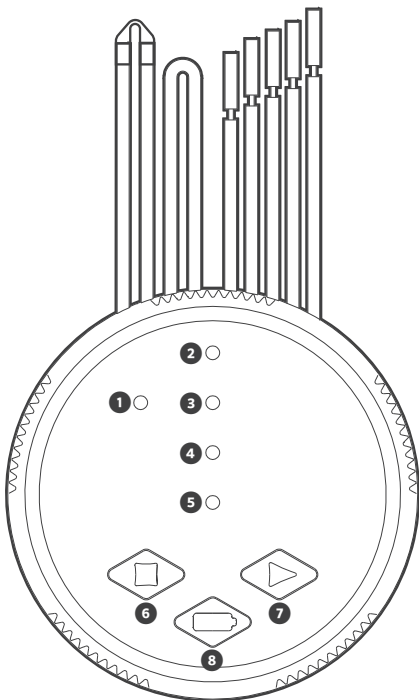
NODE-BT

QUICK START GUIDE



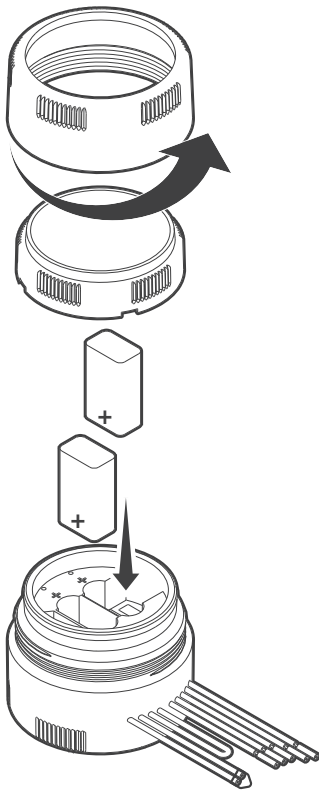
NODE-BT
Bluetooth® Enabled, Battery-Operated Controller

Navigating the Controller



- EN**
1. Battery check LED
 - 2-5. Active station indicator LEDs
 6. Manual station stop: Hold button to stop active station.
 7. Manual station start: Hold button to select station indicated by the station LED. Release button to activate.
 8. Battery check button

Accessing and Replacing the Battery

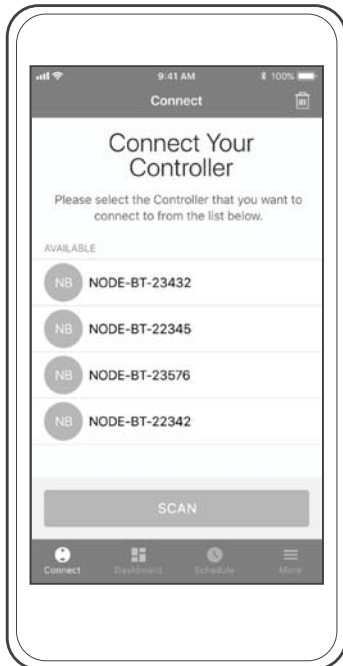


3

EN

1. Unlock the battery compartment by rotating the cap counter-clockwise until collar and cap are removed.
2. Insert one or two 9-volt alkaline batteries into the battery terminals. Observe and match the + position.
3. Secure the battery compartment by rotating clockwise until tightened.
4. Test power to the NODE-BT by pressing the battery check button on the front of the controller. Observe and check for the illuminated green LED. If the LED is red, the battery needs a replacement.

App Programming



4



Download the free Hunter NODE-BT app to a smartphone device from the iTunes® Store for iOS® devices, or the Google Play™ store for Android™ devices.

Requires iOS 9.0 or later. Compatible with iPhone®, iPad®, and iPod touch® devices. Requires Android 5.0 or above.

EN

1. Be in range of the controller.
2. Turn on Bluetooth on the smartphone device.
3. Press the SCAN button and connect to a NODE-BT controller.



Available on the iPhone
App Store

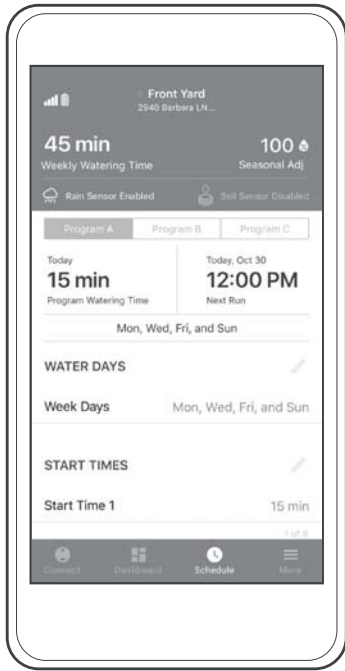
Visit hunter.direct/nodebtios



ANDROID APP ON
Google play

Visit hunter.direct/nodebtandroid

Irrigation Schedules



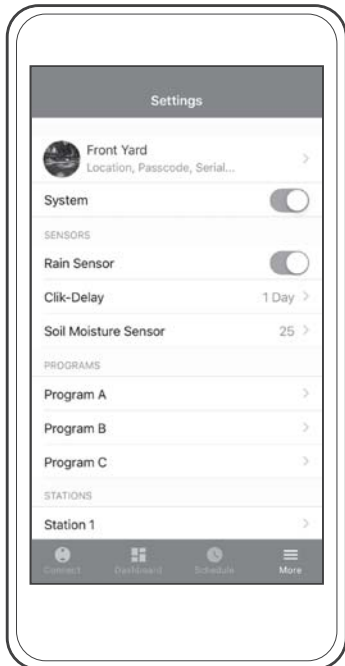
EN

Send full irrigation schedules to the controller by pressing the Schedule icon on the bottom tray and clicking the pencil icon to edit the program.

1. **Programs:** Use up to three programs (A, B, or C) for irrigation.
2. **Water Days:** Select the desired water days or interval days from 1 to 31 with days remaining or odd/even days. Confirm and Save.
3. **Start Times:** Set START TIME 1 and optional START TIME 2 through 8. Confirm and Save.
4. **Run Times:** Set the desired RUN TIME from 1 second to 12 hours. Confirm and Save.

5

Controller Settings



EN

1. **Rain Sensor:** Not used
2. **Clik-Delay:** Not used
3. **Soil Moisture Sensor:** Not used
4. **Cycle & Soak:** Turn on in the Station settings. Input the amount of time the station shall run and pause. Confirm and Save.
5. **Programmable Days Off:** Set from 1-99 days. Confirm and Save.
6. **Seasonal Adjustment:** Quickly adjusts run times from 10% to 300% global or by month. Confirm and Save.
7. **Delay Between Stations:** Not used
8. **Pump/Master Valve:** Not used
9. **Set Manual Controller Run Time:** Set a custom run time from 1 minute to 12 hours. Save and Confirm.
10. **Factory Reset:** Restores controller back to factory defaults. Enter passcode if set. Confirm.
11. **Controller Off Mode:** Select the System toggle to shut down controller.

6

Additional Settings




EN Select the More icon and click the first row with the default controller name to reveal the serial number, firmware version, site, and passcode.

1. **Customize your NODE-BT:** Enter the nickname, location, and add an image. Confirm and Save.
2. **Create a Passcode:** Select Turn On Passcode to protect your device. Confirm and Save.
3. **Language Preferences:** The app will automatically recognize your smartphone's language preferences and if available, the app will translate.


7

Resetting the Controller

- EN** To downgrade firmware to the previous version:
1. Remove controller batteries.
 2. Wait one minute.
 3. Press and Hold Start Button  while re-inserting the batteries until Battery Check LED turns amber.




Note:
Downgrading firmware may erase schedule and settings.

- To restore controller to the factory defaults:
1. Remove controller batteries.
 2. Wait one minute.
 3. Press and Hold Battery Check Button  while re-inserting the batteries until Battery Check LED turns amber.



Note:
Restoring factory defaults will permanently erase schedule and settings.

8

PROBLEM	CAUSE	SOLUTION
Controller not appearing in scan list or loses connection	Out of Bluetooth range.	Move in plain view of controller.
	Dead battery.	Replace the batteries (1 or 2 9V alkaline batteries).
Visible controller, but cannot connect or stay connected; receives Errors	Low battery.	Cycle controller batteries.
	Incompatible smartphone.	<ul style="list-style-type: none"> • Reboot smartphone. • Reinstall Hunter NODE-BT App. • Reset Phone Network Settings. • Verify Phone and App compatibility: iOS 9.0 or above, and Android 5.0 or above
Manual button press not responding App shows running, but no watering	Dead battery.	Replace the batteries (1 or 2 9V alkaline batteries).
	No water pressure.	Turn on main system water supply.
	Faulty or incompatible solenoid.	Replace solenoid. (Must use Hunter DC latching solenoid (P/N 458200) or other compatible DC latching solenoid.)
Automatic irrigation does not start at start time	Connected to wrong device. Turns on then off.	Reconnect to controller. Used AC solenoid. Must be DC solenoid.
	NODE-BT in System Off mode.	Verify that NODE-BT is programmed for automatic watering.
	AM/PM or 24-hour start time not set correctly.	Correct AM/PM or 24-hour start time.
	Water days not set correctly.	Correct water days (see page 18).
Controller repeats cycles	Cycle and Soak is enabled.	Disable Sensors or Station settings.
	Sensor Alarm is detected (Soil sensor, Klik-Delay, or Rain/Klik sensor)	
	NODE-BT has more than one start time assigned to it. Each station has up to eight start times for each of the three programs.	Eliminate device start times as needed.
	Cycle and Soak waters in intervals.	Correct the Cycle and Soak Times in station settings.
Change to incorrect app passcode	Forgot passcode.	<ul style="list-style-type: none"> • Remove controller batteries. • Wait one minute. • Press and Hold Stop Station Button  while re-inserting the batteries until Battery Check LED turns amber. • Create new passcode in NODE-BT app.
Rain or Soil sensor does not suspend watering	Rain or Soil sensor is defective or miswired.	Verify proper operation of the rain or soil sensor and wire connections (see page 11).

Notices

FCC Compliance Notice

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, you are encouraged to try to correct the interference by taking one or more 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 of which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Hunter Industries could void the user's authority to operate this device. If necessary, consult a representative of Hunter Industries Inc. or an experienced radio/television technician for additional suggestions.

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Innovation, Science, and Economic Development Canada (ISED) Compliance Notice

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(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'Innovation, Sciences et Développement économique 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Certificate of Conformity to European Directives



Hunter Industries declares that the irrigation controller complies with the standards of the European Directives of "electromagnetic compatibility" (2014/30/EU), "low voltage" (2014/35/EU) and "radio equipment" (2014/53/EU).



This symbol means the product must not be discarded as household waste and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling help protect natural resources, human health, and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

Please dispose of used batteries properly, following local regulations. Do NOT incinerate.

Management Regulation for Low-power Radio-frequency Devices

Article XII

According to "Management Regulation for Low-Power Radio-frequency Devices" without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to approved low-power radio frequency devices.

Article XIV

The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; if found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications operated in compliance with the Telecommunications Act.

Bluetooth Information



Frequency band of operation:

- 2,400 MHz to 2,480 MHz

Bluetooth:

- Maximum transit power less than 20 dBm EIRP


Bluetooth Low Energy:

- Maximum power spectral density less than 10 dBm/MHz EIRP

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Troubleshooting

Find more helpful information about your product, including installation tips, controller programming, and more.

 1-800-231-3990

THE KUPFERLE FOUNDRY COMPANY
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www.hydrants.com

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