PAIRING A DEVICE TO A SINGLE DOWNRIGGER ▶

Cannon offers an app that can be used to control and update the Cannon downrigger using a Bluetooth® enabled device. The Cannon app is available for download on iOS devices through the Apple App store or Android devices through the Google Play store.

The Cannon Downrigger app icon.

Cannon

The Cannon app can be used to control the downrigger using a device that is paired to the downrigger with a Bluetooth connection. Before pairing the device with the downrigger, the Cannon app should first be successfully downloaded. You can confirm that the app was successfully downloaded by opening it on your device. The Cannon downrigger will only be able to pair with **one** Bluetooth enabled device. It is recommended to review

NOTICE: Your device will only be able to connect to a Cannon and be paired if the device Bluetooth is enabled. Your device will only be able to pair with a Bluetooth enabled Cannon downrigger.

the "Connecting the Downrigger" section of these instructions to understand how the technology works together and understand how downriggers function in a network. If you are pairing a device to a single downrigger, it will automatically become the Master downrigger. If pairing to a series of downriggers, determine which downrigger will be the Master downrigger and then follow steps below and only work with the Master downrigger during this pairing process. The Master downrigger will be referred to as the BT Master.

1

a. Download the Cannon app on the device you intend to pair with the downrigger. After downloading the app, open it to make sure the download was successful.

b. Once the opening screen launches, the app on your device will display a Pairing Guide. The guide will help you pair your Cannon downrigger.

c. Turn the Master Cannon downrigger "on", by pressing the Power ⏻ button on the keypad.

d. Once the downrigger is powered "on", return to the device and select "Continue" from the Pairing Guide screen in the app.

1a

1b Pairing Guide

Welcome to the Cannon Downrigger App! This guide will help you pair to your Cannon Optimum Downrigger.

Turn on all Cannon Optimum Downriggers.

Continue

Demo Mode

1c Keypad on Optimum downrigger

Power Button
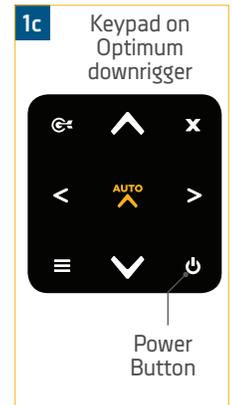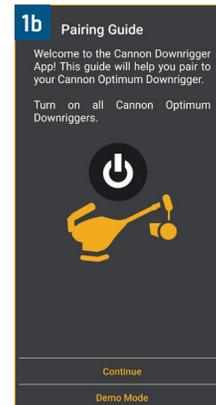
2

e. The Cannon app will begin the pairing process by helping to determine which downrigger is going to be assigned the Master downrigger. From the Pairing Guide, an option to Assign a BT Master will appear on the device. Select "Yes, Pair to BT Master" to continue.

NOTICE: The (Bluetooth) BT Master downrigger is the Master downrigger and needs to have all downriggers, phone, and transducer connected to it.

2e Assign a BT Master

Before we pair this device, you need to assign which downrigger will be the Bluetooth (BT) Master.

Have you already assigned a BT Master?

Master

No, Don't Know

Yes, Pair to BT Master

Back

2f BT Master

Note: The BT Master downrigger needs to have all downriggers, phone, and transducer connected to it.

Pick which downrigger will be the BT Master and navigate through the "Pair Phone" guide in the "Bluetooth" Menu.

Master

? ?

Continue

Back

2g Pair

1. Select "Pair Phone" twice on the BT Master.

Finally, on this phone:
2. Tap Bluetooth Settings below.
3. Tap "Cannon Optimum" to finalize pairing.
4. Ready to use the App.

Bluetooth Settings

Back

3

f. From the Pairing Guide on the device, select "Bluetooth Settings". The Cannon app will redirected your device to its Bluetooth settings. Turn Bluetooth on the device "on", and keep your device on the Bluetooth screen.

g. Return to the downrigger being paired to the device. On the downrigger keypad, press the Menu ☰ button twice to bring up the Settings Menu on the Color LCD.

h. From the Settings Menu, use the Down ⌄ button to scroll to the item listed Bluetooth. Press the Right ＞ button to open the Bluetooth Menu.

i. From the Bluetooth Menu, use the Down ⌄ button to scroll to the Pair Phone option. Press the Right ＞ button to select it.
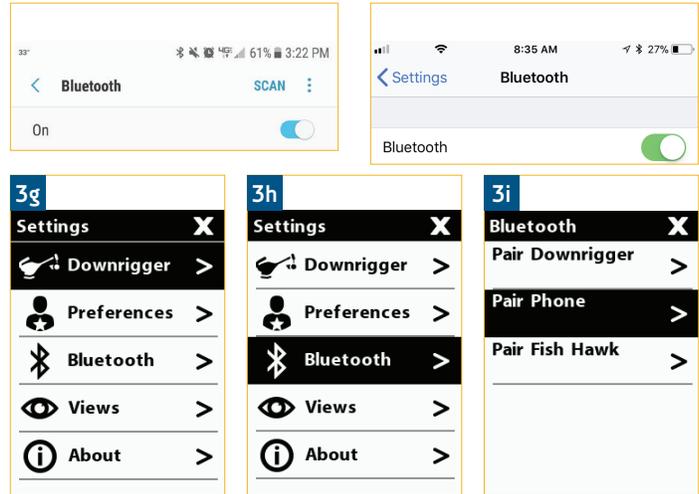
4

j. When Pair Phone is selected, it brings up the Pair Phone screen on the Color LCD. Press the Right ＞ button on the downrigger keypad to select "Pair Phone". This puts the downrigger in Pairing Mode.

k. Once in Pairing Mode, the downrigger will display "Pairing Phone...". Return to the mobile device and scan for new Bluetooth devices. If on an Android device, select the Scan button to begin the process on your device. On an iOS device, as soon as the Bluetooth menu is opened, the scan starts automatically. When the Optimum is recognized by the device, it will appear on the device list. Select the Optimum or Optimum TS from the list of available devices.
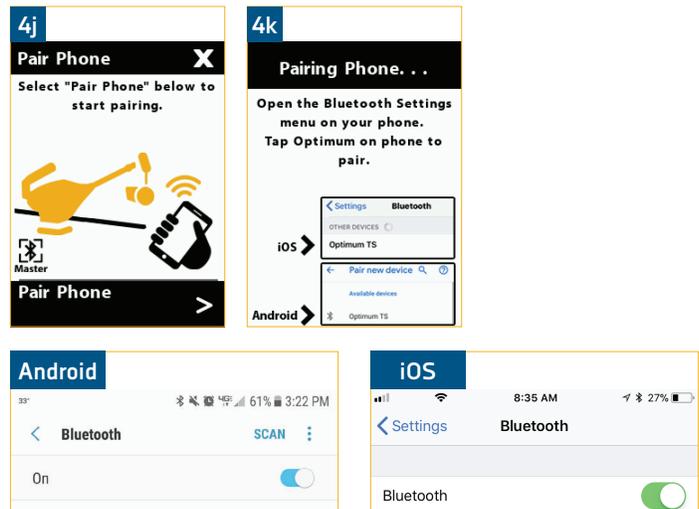
5

l. Once selected on the device list, the downrigger will send a 6 digit passkey to the device.

m. Check the device to make sure that the pass code on the downrigger Color LCD matches the pass key on the device. Confirm the passkey on the mobile device.

NOTICE: The pass key or code will be different every time the downrigger is paired with a device.

n. When the pass key is confirmed on the mobile device, the downrigger Color LCD will confirm that the connection was successful.

NOTICE: When the Bluetooth device is scanning for the Optimum, the downrigger must be in Pairing Mode. If the downrigger or the device time out, the process on both will need to be re-initiated.

o. In order for the device and your Optimum to stay connected, Bluetooth needs to remain "on". Once the device is paired with the Optimum, the device will connect and begin communicating with each other. When the Optimum is paired to the device and communicating with it, the Cannon app will automatically recognize that the downrigger is paired.

p. If the pair is unsuccessful, return to the Pair Phone menu on the downrigger and put the downrigger and the device into pairing mode again at the same time and repeat the process.

3i

Pair Phone

Waiting on Phone to accept pairing to Optimum.

Make certain code on phone matches the one below.

860659

3j

Bluetooth pairing request

Passkey: 860659

Pair with Optimum?

Cancel   OK

3l

Connected   **X**

Success!
Your phone is now connected.

Close   **>**

3n

Failed   **X**

Pairing Failed.
Please try again.

Close   **>**
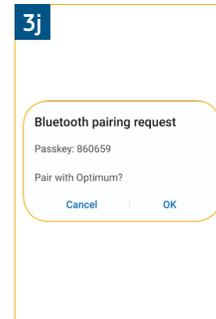
NOTICE: The downrigger will stay in Pairing Mode for 30 seconds. If the pass code is sent to the mobile device, but has not been confirmed on the device, the pair will not be successful. Try the Pairing again and be sure to confirm the pass code before the pairing times out.

NOTICE: When a device is paired with the downrigger, the paired device and downrigger know each other. When a paired device and a downrigger are connected they can actively communicate with each other. In order for the Cannon app to detect the downrigger, it needs to be paired and communicating with the downrigger.

NOTICE: It may take a few moments for your device to connect an the app to respond to the network even after it is connected.

PAIRING TWO DOWNRIGGERS TOGETHER

If your boat is set up with multiple downriggers, it is possible to pair up to 4 downriggers together in a network to share information and control the downriggers from a single device. Building a network requires pairing each downrigger with the Master downrigger and allows much of the data to be viewed across the network. Each downrigger paired to the Master downrigger is a Client downrigger. The Master downrigger will be the downrigger in the network that is paired to a device, and is able to be connected to a transducer or Fish Hawk X4D System. It is recommended to review the "Connecting the Downrigger" section of these instructions to understand how the technology works together and understand how downriggers function in a network. To pair two downriggers together follow the instructions below.

1

a. Determine which downrigger will be the Bluetooth Master. Turn both Cannon downriggers "on", by pressing the Power ⏻ button on the keypad of each downrigger.

b. Then on both downriggers, press the Menu ☰ button twice to bring up the Settings Menu on both Color LCDs.

c. From the Settings Menu on both downriggers, use the Down ⌄ button to scroll to the item listed Bluetooth. Press the Right ❯ button to open the Bluetooth Menu.

d. From the Bluetooth Menu on both downriggers, use the Down ⌄ button to scroll to the Pair Downrigger option. Press the Right ❯ button to continue.

e. Both the Master and Client downrigger will display an Assign a BT Master on the Display Screen.
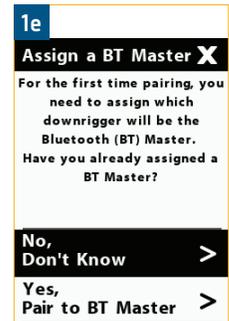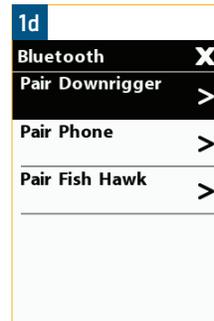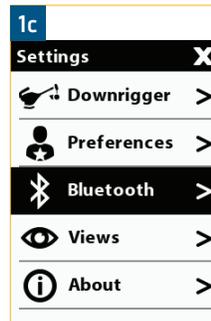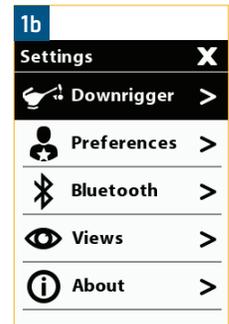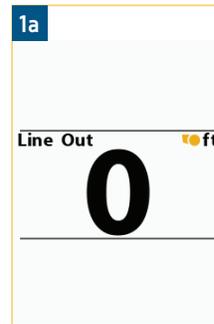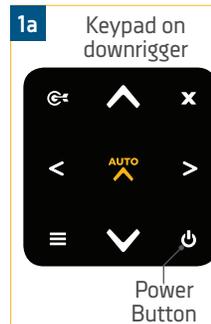
NOTICE: The Master downrigger is the downrigger that a device, all downriggers and accessories, such as the Cannon transducer and Fish Hawk, will be paired to. The Client downrigger is the downrigger that will be paired to a Master downrigger.

2

f. From the downrigger that will be assigned to the BT Master, select "No, Don't Know" by pressing the Right ❯ button.

g. From the Client downrigger, use the Down ⌄ button to scroll to the "Yes, Pair to BT Master" option. Press the Right ❯ button to continue.
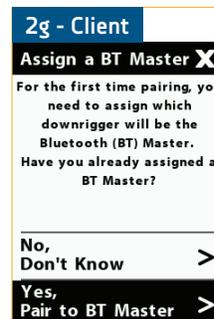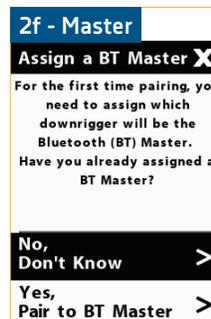
3

h. On the BT Master downrigger, the Color LCD will follow several on-screen prompts outlining criteria for the BT Master/Master downrigger. They include:

- The BT Master shares data to all the other downriggers in the network.
- An optional Fish Hawk probe can only be paired to the BT Master.
- The Cannon mobile app can only be paired to the BT Master.
- Cannon Transducer can only be connected to the BT Master.

Press the Right **>** button to read and continue through these message screens.

i. The final screen will ask, "Which downrigger do you want to assign as the BT Master?" Press the Right **>** button to select "This downrigger".

3h - Master
Assign a BT Master ✗
For the first time pairing, you need to assign which downrigger will be the Bluetooth (BT) Master. Have you already assigned a BT Master?
No, Don't Know **>**
Yes, Pair to BT Master **>**

3h - Master
BT Master ✗
The BT Master shares data to all the other downriggers in the network.
Master
Next **>**

3h - Master
BT Master ✗
An optional Fish Hawk probe can only be paired to the BT Master.
Next **>**

3h - Master
BT Master ✗
The Cannon mobile app can only be paired to the BT Master.
Master
Next **>**

3h - Master
BT Master ✗
Cannon Transducer can only be connected to the BT Master.
Next **>**

3i - Master
BT Master ✗
Which downrigger do you want to assign as the BT Master?
Master
This downrigger **>**
Another downrigger **>**

4

j. On the Master downrigger, a Pair Downrigger screen will be on the Color LCD. Press the Right **>** button to select it. The Color LCD will bring up a "Pairing Downrigger...." message. The Master downrigger is now actively trying to pair with the Client Downrigger.

k. On the Client downrigger, a Pair to BT Master screen will be on the Color LCD. Press the Right **>** button to select it. The Color LCD will bring up a "Pairing Downrigger...." message. When this message displays, the Client downrigger is actively trying to pair to the Master downrigger.

l. Both downriggers will stay in Pairing Mode for 30 seconds. When they successfully connect, both downriggers will display a Connected message.

4j - Master
Pairing Downrigger. . .
From the other downrigger, select "Pair to BT Master".
Master

4j - Master
Pair Downrigger ✗
Select "Pair Downrigger" below to start pairing.
Master
Pair Downrigger **>**

4l - Master
Connected ✗
Success! Downrigger is now connected.
Close **>**

4k - Client
Pair to BT Master ✗
Select "Pair to BT Master" below to start pairing.
Master
Pair to BT Master **>**

4k - Client
Pairing Downrigger. . .
From the BT Master, select "Pair to Downrigger".
Master

4l - Client
Connected ✗
Success! BT Master is now connected.
Close **>**

NOTICE: When two downriggers are paired to each other, they know each other and will have any paired downrigger listed on their Device List under the Bluetooth menu. When the downriggers are connected they can actively communicate. In order for the downriggers to detect each other they need to be paired and communicating. When the downriggers are powered "off", they will know each other, but will not be actively communicating. After they are powered back "on" they will reconnect so that they can communicate.

5

m.   You can also confirm that the downriggers have paired to each other by finding them on the Device List under the Bluetooth menu. The Master downrigger will appear on the Device List with a box around the Bluetooth icon.

NOTICE: The options listed in the Bluetooth menu will be different once a downrigger is paired to another downrigger. On the Master downrigger, the option to pair with other downriggers, a device or a Fish Hawk will still be available. On a Client downrigger, the Bluetooth menu will only allow you to view the Device List or Forget BT Master.

n.   To pair additional downriggers to the Master downrigger, repeat the process with the Master downrigger and the new Client downrigger to be added to the network.

4m - Master
Bluetooth   X
Device List   >
Pair Downrigger   >
Pair Phone   >
Pair Fish Hawk   >
Restore Network   >

4m - Master
Device List   X
Optimum
T247CN01069   1
Galaxy S10   >
Android
Optimum   2
T247CN01069

4m - Client
Bluetooth   X
Device List   >
Forget BT Master   >

4m - Client
Device List   X
Optimum   2
T247CN01069
Optimum   1
T247CN01069
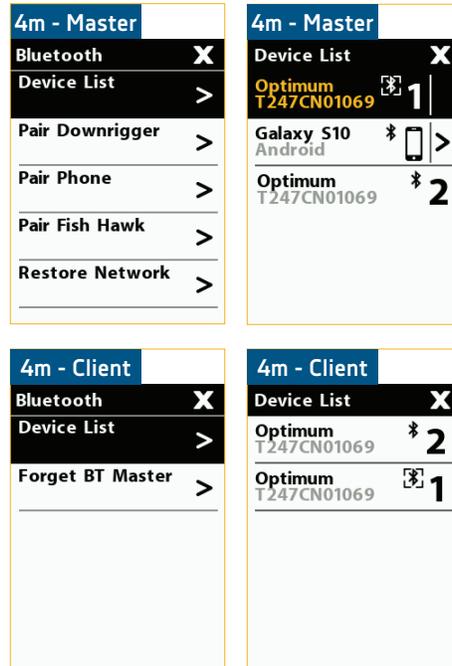
PAIRING THE MASTER DOWNRIGGER TO A FISH HAWK ❯

Pairing a Fish Hawk™ X4D System to your Master downrigger will allow your downrigger to display true running depth and the speed of your weight, the temperature at the weight, plus surface temperature and speed. The Fish Hawk must be paired with the Master downrigger. To pair a Fish Hawk, follow the steps below:

1

a.   Make sure the Master downrigger is turned "on", by pressing the Power 🔘 button on the downrigger keypad.

b.   Power on the Fish Hawk X4D Display. Once powered on the Display will continuously transmit and wait for another device to be connected.

NOTICE: The Fish Hawk X4D System must be paired with the Master downrigger. The Fish Hawk X4D System is the ONLY compatible Fish Hawk System to pair with the downrigger. Other Fish Hawk Systems will not be compatible with the Optimum or Optimum TS downrigger.

c.   On the Master downrigger, press the Menu 🔘 button twice to bring up the Settings menu on the Color LCD.

d.   From the Settings Menu, use the Down 🔘 button to scroll to the item listed Bluetooth. Press the Right 🔘 button to open the Bluetooth Menu.

1a   Keypad on downrigger

Power Button

1c
Settings   X
🔧 Downrigger   >
👤 Preferences   >
✳ Bluetooth   >
👁 Views   >
ℹ About   >

1d
Settings   X
🔧 Downrigger   >
👤 Preferences   >
✳ Bluetooth   >
👁 Views   >
ℹ About   >