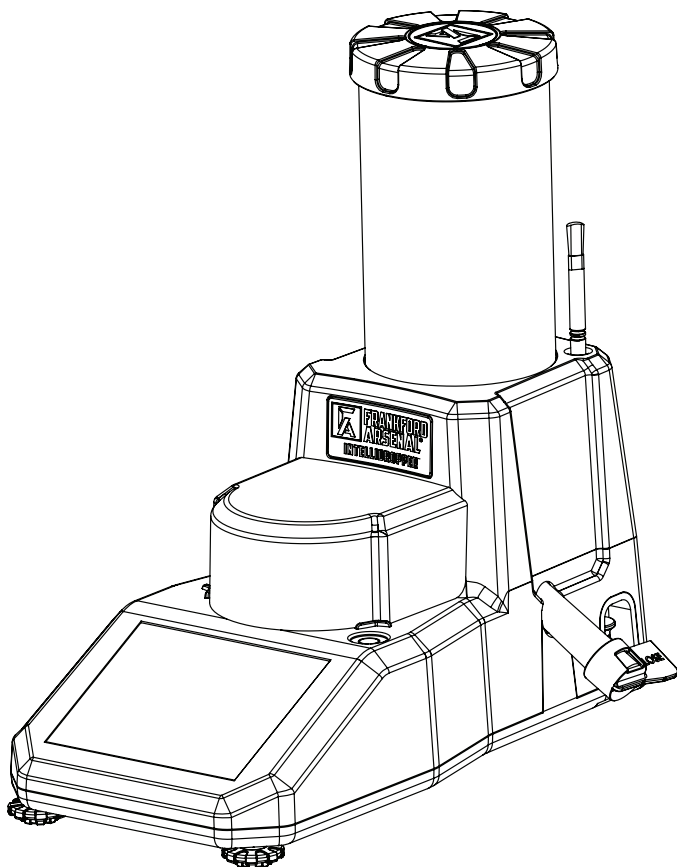


# FRANKFORD ARSENAL<sup>®</sup>

## INTELLIDROPPER<sup>®</sup> 2.0 POWDER MEASURE

### INSTRUCTIONS & SAFETY INFORMATION



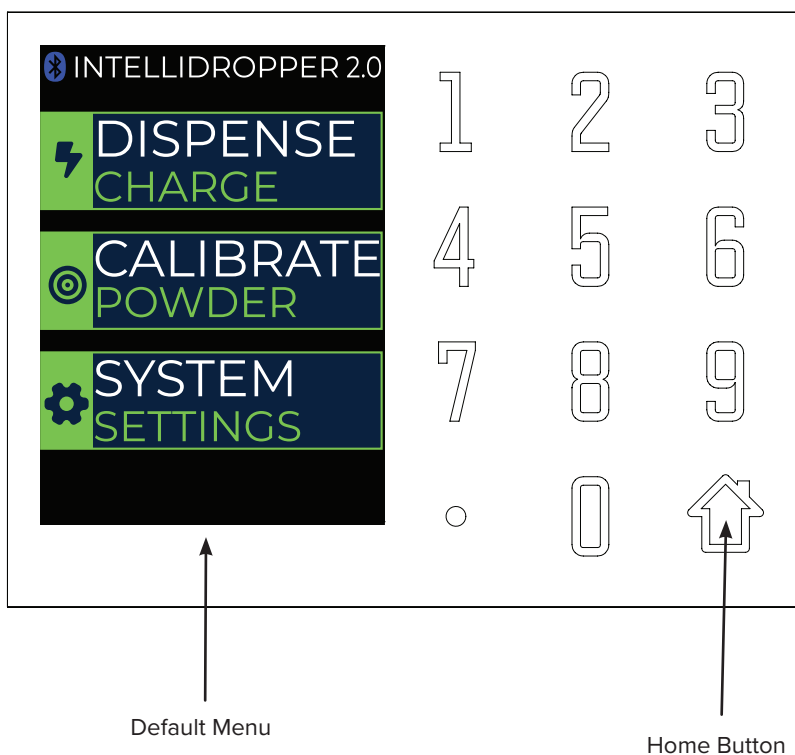
**⚠ WARNING: REVIEW AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS PRODUCT**

# COMPONENTS

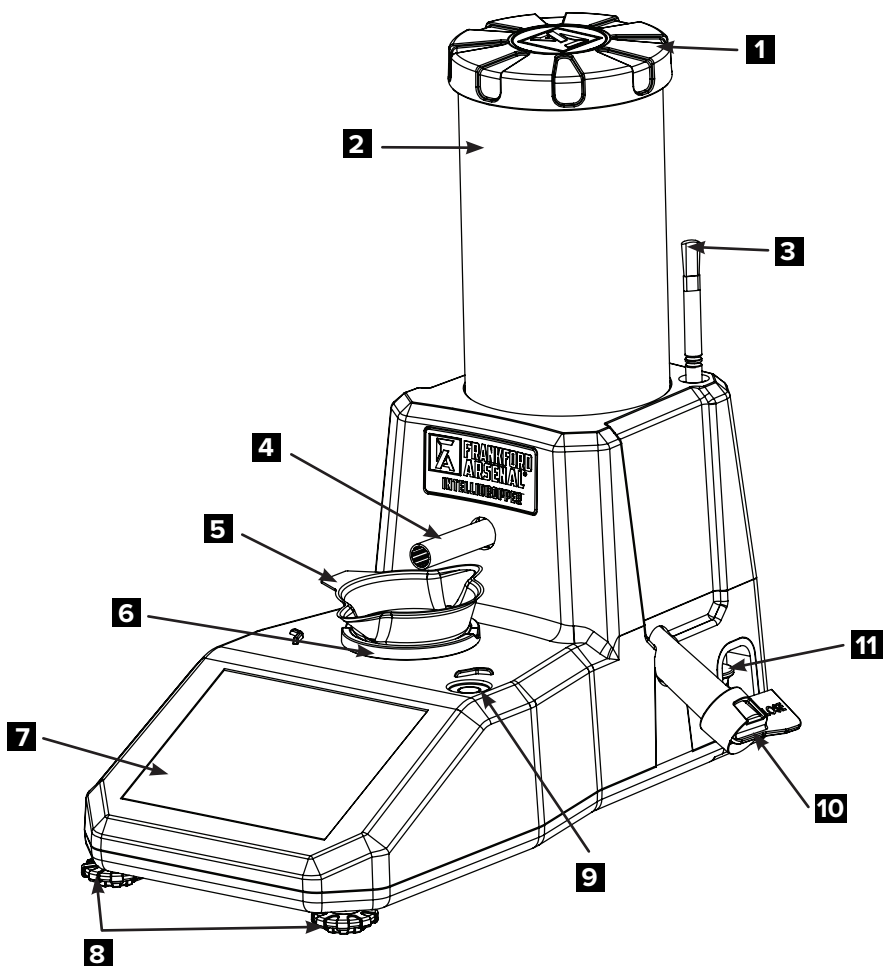


Download the FREE Frankford Arsenal App.

**NOTE:** For the best performance, download the app and update the Intellidropper firmware before use.



**NOTE:** The Home Button can be used in any screen to return to the Default Menu.



- |                        |   |
|------------------------|---|
| 1. Powder Hopper Cover | 8. (4) Independently Leveling Feet            |
| 2. Powder Hopper Tube  | 9. Bubble Level                               |
| 3. Powder Brush        | 10. Powder Drain Spout                        |
| 4. Powder Feed Tube    | 11. (2) 50g Calibration Weights               |
| 5. Powder Pan          | 12. Clear Air Draft Cover (not shown)         |
| 6. Scale Plate         | 13. 12V DC Power Supply with Cord (not shown) |
| 7. Touch Screen        |   |

# INTELLIDROPPER® SETUP

## ! IMPORTANT SAFEGUARDS !

- Do not store powder in the hopper for long periods of time, this may ruin the device.
- Do not use this device with black powder. This device is intended for smokeless powder only.
- Do not shake, drop, overload unit, or use a power supply different than the one that is supplied.

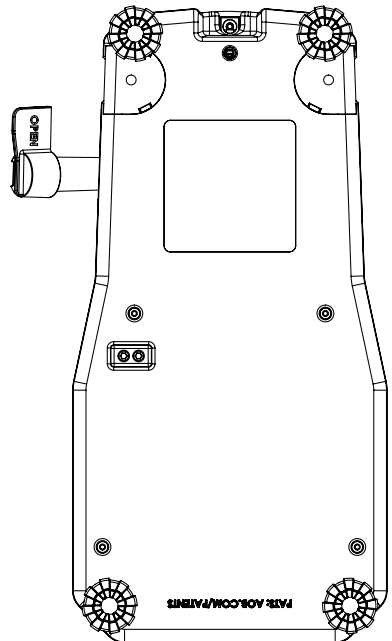
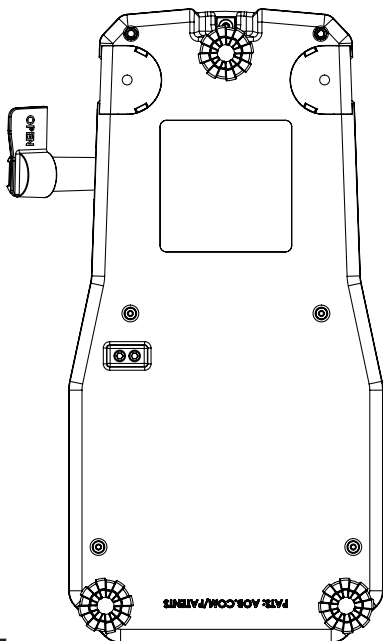
### SETTING UP THE INTELLIDROPPER 2.0 POWDER MEASURE

**NOTE:** For ideal dispensing, the Intellidropper 2.0 should be used on a stable, level surface in an area that has a well-regulated and stable temperature with minimal air movement or vibrations.

Using the provided 12V DC power supply, provide power to the device.

**NOTE:** Allow the device to stabilize for a minimum of 15 minutes. Allowing the device to stabilize will help with its accuracy and precision. Not allowing the device to stabilize may cause inaccuracies in the device and therefore your charge weight may fluctuate.

If desired, the Intellidropper 2.0 can be configured to use 3 leveling feet instead of 4. Simply remove the two rear feet and place one into the center threaded hole on the bottom of the device.

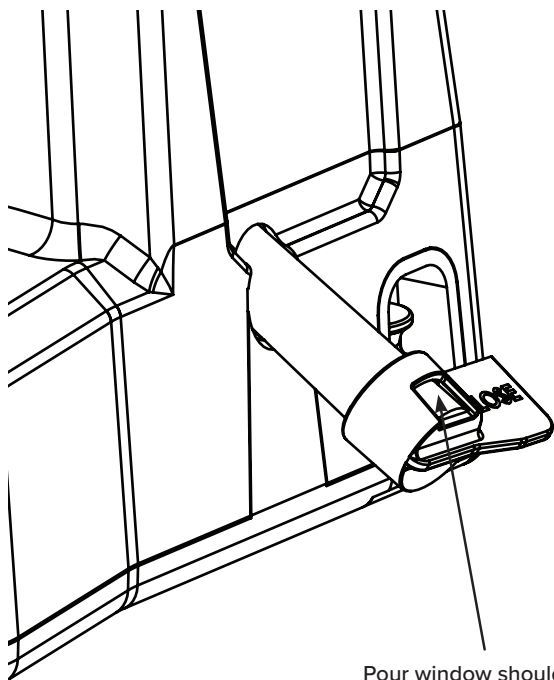


**NOTE:** Not leveling the device may cause inaccuracies in how much powder is dispensed; by up to 0.3 grains difference between the target weight and the actual weight.

Place the supplied powder pan onto the scale plate of the device. Do this to prevent the powder from accidentally dropping onto the scale plate during initial pouring.

Ensure that the powder drain spout cap is closed so that once you pour powder into the device it does not fall out of the drain. The cap twists **OPEN** and **CLOSED**. Make sure the pour window is facing **UP** for the **CLOSED** position

Pour the powder of your choice into the tube. The tube will hold over 1lb of powder at a time.



Pour window should be  
**UP** to close spout

Once the device has stabilized for a minimum of 15 minutes, it may be calibrated.,

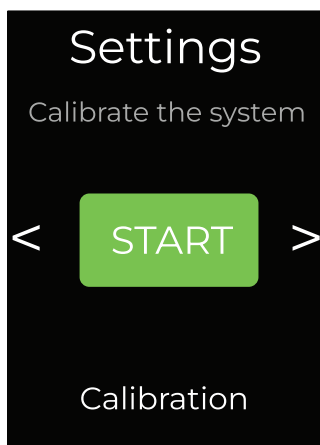
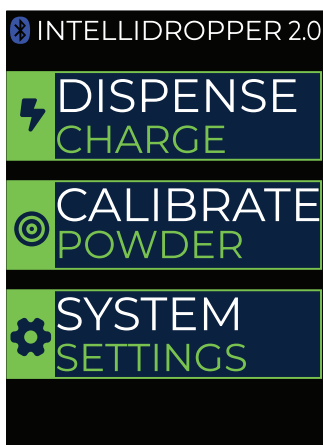
**NOTE:** For ideal dispensing, the Intellidropper 2.0 should be used on a stable, level surface in an area that has a well-regulated and stable temperature with minimal air movement or vibrations.

# CALIBRATING THE SYSTEM

## 1

To calibrate the scale and system, go to the “SYSTEM SETTINGS” by tapping on the screen when it is active and powered.

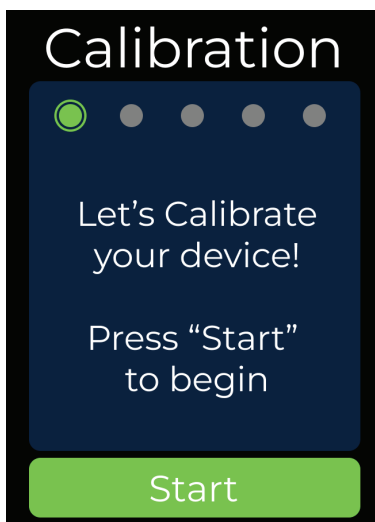
Select the button labeled “START” to enter the Calibration screen.



## 2

Once you enter the calibration screen, press “Start” to begin the calibration process.

Follow the directions on the screen.



# POWDER CALIBRATION

## 1

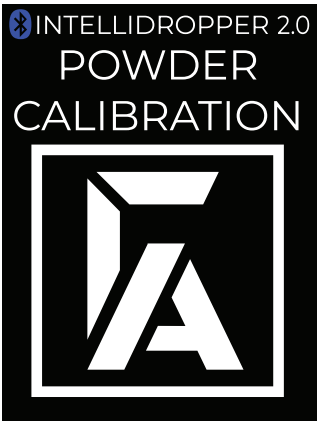
To calibrate the current powder in your Intellidropper 2.0 hopper, click “CALIBRATE POWDER”.



## 2

Once you are in the Powder Calibration screen, fill the Powder Hopper Tube with your choice of powder and press Start.

Once the Powder Calibration process is complete, click the “DONE” button to transition to the Dispense Charges screen. If one wishes to return to the main menu, click the Home button.



# DISPENSING CHARGES

1

To dispense charges, select  
“DISPENSE CHARGE”



2

After entering the dispense screen, it will display  
the current weight on the scale.

The zero button will zero out (tare) the scale to  
“0.0”.

The mode button will change the dispensing  
mode from manual and automatic.

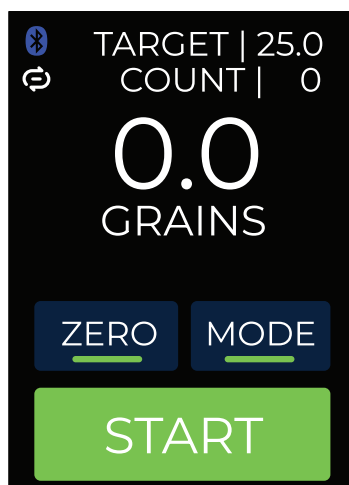
- Manual Mode will dispense a charge only when the START button is pressed.
- Automatic Mode will automatically dispense the next charge once the scale returns to zero and is stable.

The circular icon in the top will be greyed out in manual mode and white in automatic mode.

The “START” button will begin the dispensing process if the system is zeroed and a target weight is set.

The target weight is displayed in the user selected unit next to the “TARGET” label.

The number of successful charges at that target weight is displayed after the “COUNT” label.





# DISPENSING CHARGES

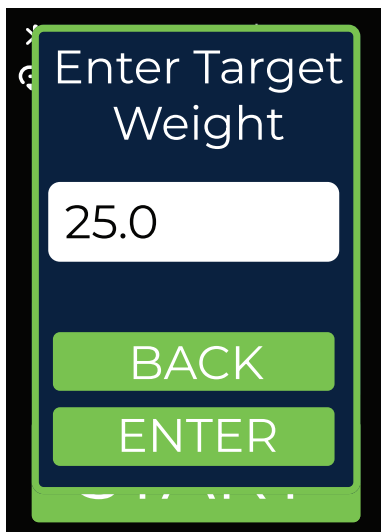
## 3

To change the target weight, enter the weight using the numeric keypad. A popup will appear displaying the target weight.

Use the “BACK” button to remove previously entered numbers or return to the dispense screen.

Use the “ENTER” button to set the weight displayed in the textbox as the new target weight.

After setting a target weight, a charge can be dispensed by pressing the “START” button.

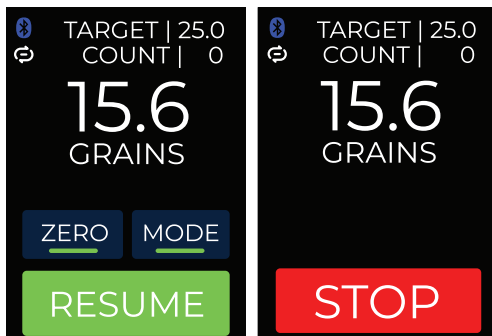


## 4

After starting a dispense for a charge, the screen will change. A “STOP” button will appear, and the current weight will approach the target weight.

If the “STOP” button is pressed, the screen will return to normal and the motor will stop dispensing. The “START” button will be transformed into a “RESUME” button since it is the middle of a dispense cycle.

To start dispensing new loads, the cycle must either finish by pressing “RESUME” or returning to the main menu screen then entering the dispense screen again.

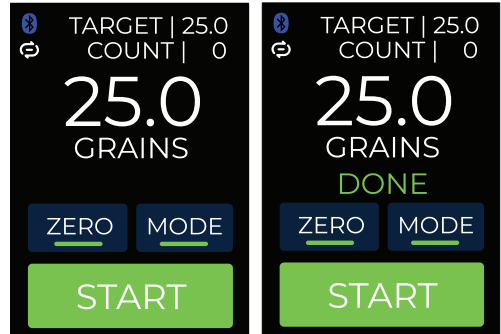


# DISPENSING CHARGES

## 5

A buzzer will sound once after a successful charge. The count label will increase by one. The buzzer will sound and the screen will say “DONE”.

If the buzzer sounds three times and displays the red “OVER” label below the current weight, then the charge exceeded the target during dispense. The Intellidropper will learn to avoid overcharging again. The count label will not increase.



## 6

To manually change the count label, click on the count label. A popup will be displayed.

Press the “+” button to increase the count.

Press the “-” button to decrease the count.

Press “BACK” to return to the dispense screen and discard changes.

Press “ENTER” to confirm the changes and the count will be updated.



# CHANGING SETTINGS

## 1

To change system settings, go to “SYSTEM SETTINGS”

Use the on-screen arrows to navigate to the different setting options:

- CALIBRATE
- UNITS
- Screen Timeout
- Touchscreen Sensitivity
- Buzzer



### FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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 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 to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body.

**ISED Canada Statement:**

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.

**Radiation Exposure:** This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment; To maintain compliance with IC's RF Exposure guidelines, This equipment should be. installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

**Déclaration de l'ISED Canada :**

Cet appareil contient des tasmittre (s) / récepteur (s) sans licence / conformes à l'innovationRSS exemptes de licence de Sciences et Développement économique Canada. L'opération est sous réserve des deux conditions suivantes :

- 1) cet appareil ne peut pas causer d'interférences et
- 2) cet dispositif doit accepter toute interférence, y compris peut provoquer le fonctionnement indésirable de l'appareil.

**Exposition aux rayonnements :** Cet équipement est conforme aux radiations du Canada limites d'exposition pour un environnement incontrôlé noncé d'exposition RF Pour maintenir le respect des guides d'exposition RF d'IC, cquipment doit être installé et actionné avec une distance minimale de 20cm le radiateur de votre corps. Cet appareil et ses antennes ne doivent pas être co-localisé ou en opération en conjonction avec toute autre antenne ou émetteur.

Product #1217412

Instructions #1229201 Ver. 004



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