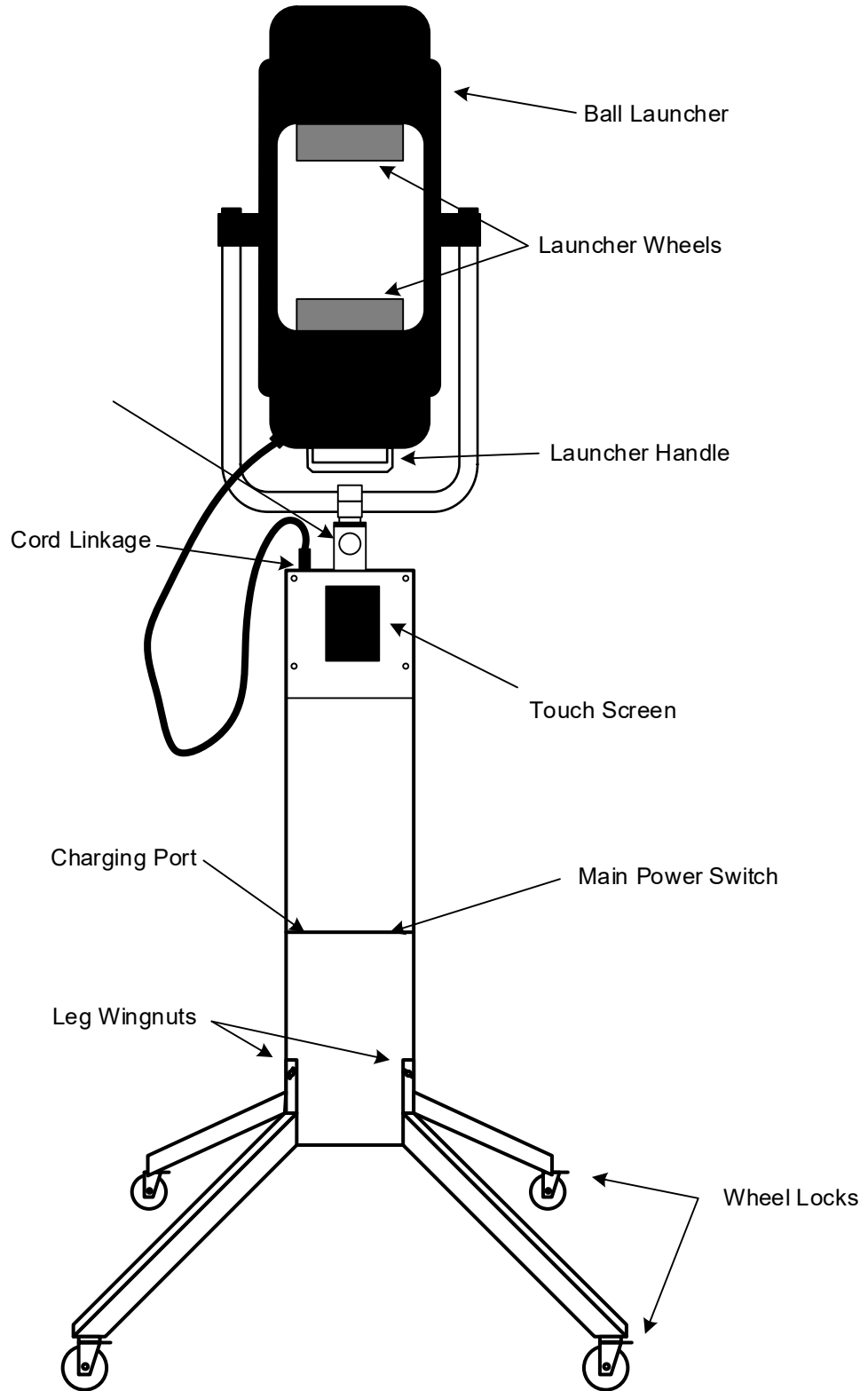


**TAKEOFF PRO (SNAVBTake1)**



## TAKEOFF PRO INSTRUCTIONS (SNAVBTake1)

- 1) Inspect contents. You should have 4 legs, 4 washers, 4 wingnuts, a main body, a ball launcher, and a battery charger.



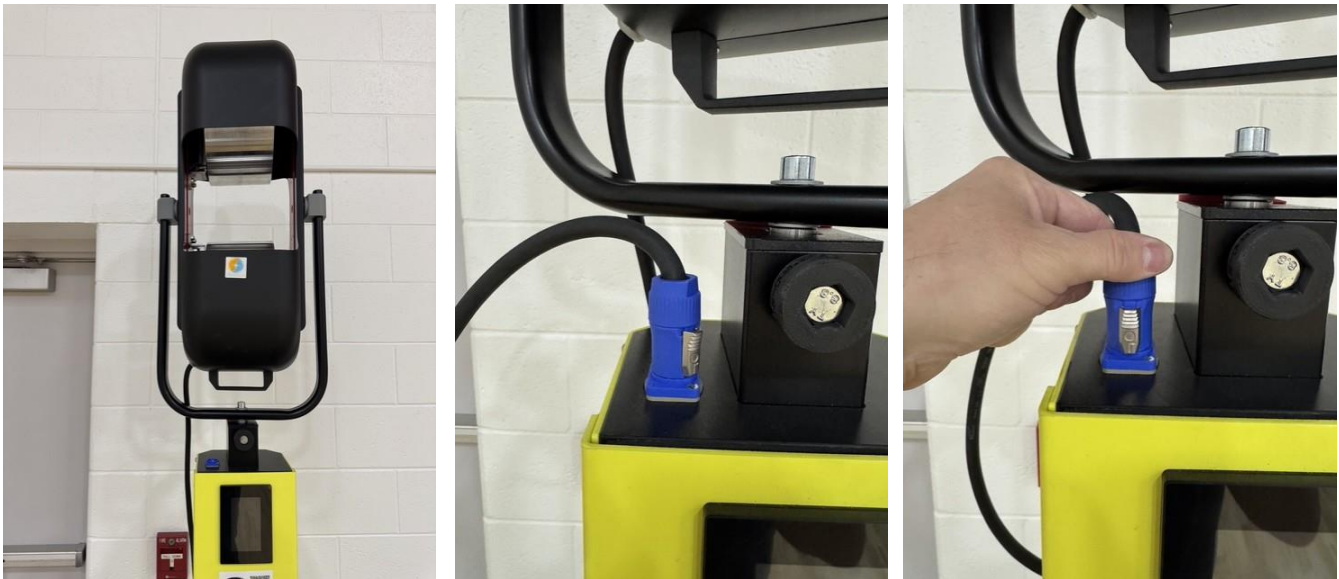
- 2) This cordless machine uses a Sodium-Ion battery. Before first use, plug the charger into the 3-pin XLR plug on the flat shelf near the on/off knob. A full charge takes about 5 hours, though time may vary. NOTE: This battery is safe to charge overnight.



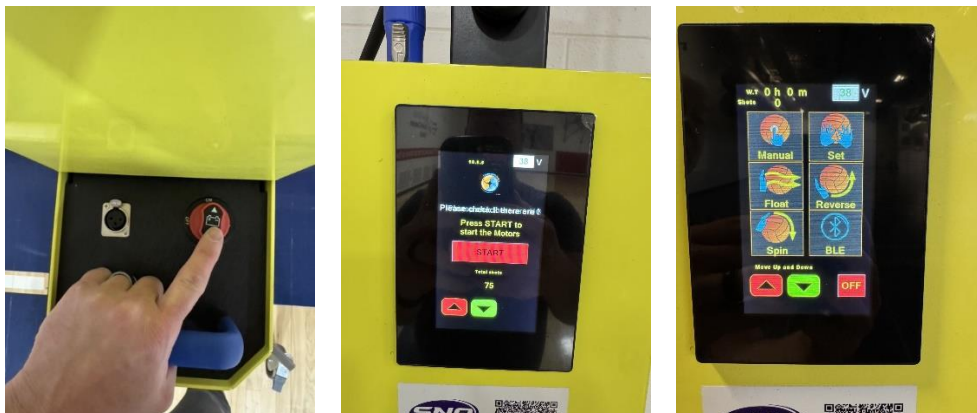
- 3) Attach the legs to the main body of the ball machine using the 4 washers and 4 wingnuts. Lock the wheels on the first two legs to make putting the other two legs on easier.



- 4) Stand the machine up on all 4 legs and retighten the wingnuts to ensure they are secure. Next, locate the ball launcher head. The shaft on the U-shaped support will go into the top of the main body. **Make sure the cord hangs straight down and that it is not caught between the main body and the ball launcher.** Next, the end of the cable plugs into the top of the machine. This is a Speak-On cable, so it inserts with the silver tab off to your right a bit, then twists clockwise to connect. To remove, pull the silver tab up, twist counterclockwise, and the cord will disconnect.



- 5) There is a power knob on the platform below the main screen next to the charging port. Turn the power on, make sure there is nothing inside of the ball launcher, and touch START on the welcome screen.



- 6) Wait for the wheels on the ball launcher to begin to spin. If only one wheel starts to turn, power the machine off, wait 10 seconds, and turn the machine back on. Once both wheels are spinning, use the touchscreen to switch between the different modes – Manual, Float, Spin, Set, Reverse, and BLE – and adjust speed as desired.



- 7) Use the up/down buttons on the bottom left of the screen to move the ball launcher to different heights, use the handle to pivot and adjust angles of the launcher, and use the rubber knob on the front of the launcher stem to help hold it at different trajectories. When finished using, touch the OFF button in the lower right, wait for the machine to cycle down completely, and then rotate the power knob to OFF position.

## TAKEOFF PRO OPERATION INSTRUCTIONS

This Takeoff Pro is a versatile, comprehensive training aid that covers serve/receive, setting, and defensive drills.

In the upper right-hand corner of the screen, you can see how much voltage is remaining of the battery's charge. In the upper left, you'll find run time and ball counter. The bottom left contains the up/down arrows for launcher height, and the lower right contains the power button. If your launcher is positioned above the lowest setting when the machine is powered off, it will automatically retract into the lowest position during shutdown.



- 1) When the areas on the screen are opened – Manual, Float, Spin, Set, Reverse, and BLE – there are adjustable controls to customize the speed or path of the ball. There are RPM rates visible which can be increased or decreased using the “+” and “-” buttons to the sides of the RPM display.

- 2) The MANUAL setting allows the user to control the speed of each wheel individually for a true custom ball launch. There are also more detailed settings which can either match wheel speed or control their differences.



- 3) On the FLOAT and SET settings, both the top and bottom wheel will spin at the same rate. To train on float serves, raise the machine to the desired height using the height buttons. As the speed is increased or decreased, the actual speed of each wheel is shown above it. Once both wheels have reached matching speeds, the machine is ready for launching a float serve. Angles and heights can be changed using the height buttons and by adjusting the ball launch angle. TIP: Make note of the speeds for the next practice!



- 4) With the SET feature, you can place the ball launcher at a more vertical flatter angle to train on quick sets, or you can adjust the ball launcher to a more horizontal position to train on high ball sets. You can also set it at a completely horizontal position to train on out-of-system balls.
- 5) The SPIN setting allows for training on overhand serves and other top-spin shots. The rate of the top wheel is adjustable up and down, and the “delta” value adjusts the differential between top and bottom wheel spin rates.



- 6) The REVERSE setting does the same thing as SPIN but the bottom wheel is controlled with the plus and minus buttons while the “delta” changes the difference in the top wheel. This feature is beneficial if training younger or newer players who need more time to get under a ball, or to train your setters to handle dug balls with a high spin rate.



- 7) The BLE setting is currently in testing mode. At this time, the app for this machine only counts balls launched. The next version of the app will potentially allow for scoring of each shot inside the app as well as a number of other useful features. We will notify you when the APP is ready for use.

