

Setup

1. Use double sided foam and connect disc as close as possible to center of safe dial.
2. Place rig as shown where safe cracker holder is centered over dial. The rig can be placed in any orientation that works best for the user.
3. Place safe cracker into holder and slide shaft onto disc.
4. Ensure safe cracker is completely seated in holder.
5. Adjust rig so the rod attached to safe cracker is parallel with safe door.
6. Rotate Safe cracker so display is properly oriented and tighten thimb screw to lock in place. Do not over tighten/
7. Look over entire rig before using. The shaft of safe cracker should be in line with the dial and not crooked or skewed. Adjust as needed.
8. Turn on safe cracker and once display comes on, turn dial several times to ensure there is a smooth movement with several revolutions of the dial.
9. Set the dial exactly to 0 and quickly press and release the button on the front of the safe cracker device to zero the reading.
10. Turn dial and verify several points match the value on the display. If they don't, try zeroing device again. If movement is binding or values are not matching display, readjust rig for smooth movement and centering.
11. To turn off safecracker, press and hold button until display says Off.
12. The power/Zero switch is slightly recessed to reduce accidental presses. To power on, press and hold button until Safe Cracker is displayed, then release button.



Main Screen



When the display unit is turned, the dial value will be RED until the safe cracker is turned. The two devices will automatically pair. When the two are paired and ready for use, the numbers will turn BLUE. Turn the dial for the display to start capturing the numbers from the safe cracker.

The Four wheel buttons select which wheel is being manipulated and is highlighted in green.

To enter values, turn the safe dial and the numbers will show on the display. To record a value, you must press the combo button first to register the combination value. Then turn dial between 0 and 20 to record the contact point. Press either left or right contact point button to register the value. The combo button will highlight in green when a value has been selected. If a contact point is outside of 0 to 20, a warning will appear. Each contact point requires a combo and contact point value. You cant hit combo and both contact point buttons. The first button pressed will be the one which is stored.

The settings button lets you select a few settings for the display unit. It lets the user set the graph order to increment from 0 to 99 or decrement from 99 to 0. The user can also select the number of wheels as 3 or 4. If a new manipulation is going to be started, the user needs to go into settings to erase the current memory. All values saved are stored in memory until the user erases them. This allows a return to a manipulation in process or want to remove the display unit and evaluate the data without losing any information.

The graph button brings up the graph where all the recorded data is visually graphed.

Graph Screen



As with the main screen, the display value will be RED if the safe cracker is not paired with display unit.

The Combo and Contact Buttons work exactly the same as the Main screen. The UNDO button will erase the last point saved and plotted on the graph. Note, it doesn't have a history so pressing the UNDO only happens with the last point plotted. Once pressed it waits for a new plot point before it can be used again.

Pressing the wheel buttons can move to the active wheel being manipulated. Pressing the current wheel button will toggle between graph screen with just the plot points and a graph screen with the points connected together with a line. Note, if displaying the screen with connected lines, any new plots will not be connected until the wheel button is pressed twice to redraw the screen.

Pressing Main Screen returns to the display only screen.

Battery Status/Charging



The display unit has a battery monitor on the outside of the enclosure. While running the LED's indicate how much battery is left in 25% increments. All four LED's lit indicate a full charge. When the device is turned off, the battery LED's will remain on for short period then turn off.

To charge, use the supplied USB adaptor with USB cable and plug into display unit. The LED's will blink while charging showing the progress. Charging will automatically turn off when fully charged.

To charge the safe cracker, plug the USB cable in the side of the safe cracker. A small green LED will light while charging and go out when fully charged.

The Safe cracker will operate for about 6 to 7 hours on a full charge. Both devices can operate while being charged but do not need to be on while charging. Charging is more efficient when the devices are off.

