Remove the touch plate from the packaging material. Place the touch plate on the Z position of the project you are going to machine. Plug the small single cable end into the touch plate/probe port, on the controller. (*This is located on the rear of the Plus, and HD controller located next to the USB port on the left side. On the Shark and Shark Pro with the 2 piece controller, the port is located on the front of the black and tan enclosure to the right of the USB port.*)

Plug the longer banana jack plug into the touch plate. There is a receiving hole in the front of the silver plate with the logo placed facing up. *Note: The touch plate zeros to the tip of a bit. Make sure the bit you will be using is properly installed in the router before proceeding. (see fig. 3)*

Attach the black magnetic cylinder and wire to the router coupler. (*see fig. 3*) This will be held in place by the magnet.

Register your Next Wave Touch Plate. You will need to have your touch plate’s serial number when registering. The serial number is located on the top of the touch plate above the logo. (*Note: The touch Plate is only compatible with control panel version 1.5.0.23 or greater.*)

With the CNC Shark control panel opened, select “File”, then “Preferences” in the upper left of the screen in the pull down. (*see fig. 1*)
• Type in the Touch Plate Width to the value that has been written on the front of it (located under the serial number). This should be the precise thickness specific to your touch plate. Click the “Ok” button to close this window. *(see fig. 2)*

• Next, Click the “Z 0” button on the parts coordinates screen. Then, click the “Detect Touch Plate” button in the lower left of the screen. *(see fig. 2.1)*

![Preferences](Figure 2)

![Part Coordinates](Figure 2.1)

• Be sure the touch plate is in place under the bit that is in the routers coupler, select “yes” from the pop up screen. You should see the Z axis lowering to the touch plate, make contact and retract. *(see fig. 3)* If there is any problem, hit the “E-Stop” button on the control box.

![Detect Touch Plate](Figure 3)

• Remove the touch plate, its cables, and magnetic cylinder from the router coupler. The Z value should now read the values of the” Touch Plate Width” and the “Safe Height Up” value added together. (These were the values that were in the preference screen, figure 2.) You have now successfully set the Z zero position.

• Jog the router to your X and Y position that were specified in your tool path’s program. ONLY click the “X 0” and “Y 0” buttons for zeroing X and Y. You are now ready to machine your project on your Shark.

Please write your serial number here, and save this piece of paper: ____________________________