

How to use the  
LCD Pendant XY Homing app

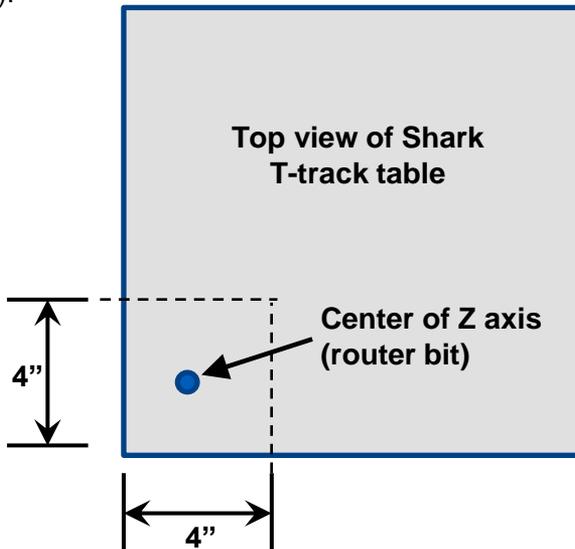
## Home X & Y Axes

The **Home X&Y Axis** app calibrates and zero's out the X and Y axes to the "machine home" location in the lower left corner of the table. XY Home can be calibrated each time you power up your SHARK or at anytime during before you run a file. It provides a repeatable reference point that is particularly useful when using jigs or when you need to run a cutting file from a precise, repeatable location.



### Step 1

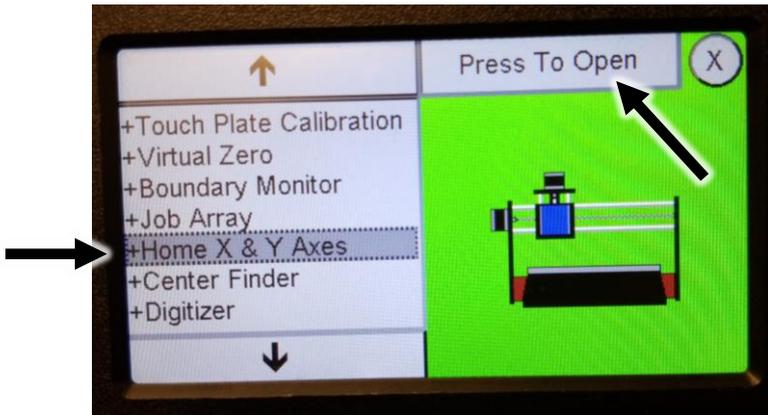
Use the X and Y Move buttons on the main screen to move the router/spindle to within 4 inches of the front and left sides of the table (see below).





### Step 2

Press **Apps** on Main Screen. This will open the Apps menu (see below)



### Step 3

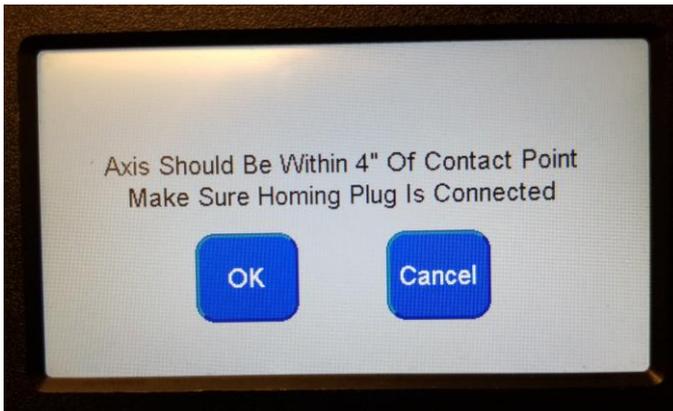
In the Apps menu press **Home X & Y Axis** and then **Press To Open** in the upper right corner of the screen.

## Home X & Y Axes (cont.)

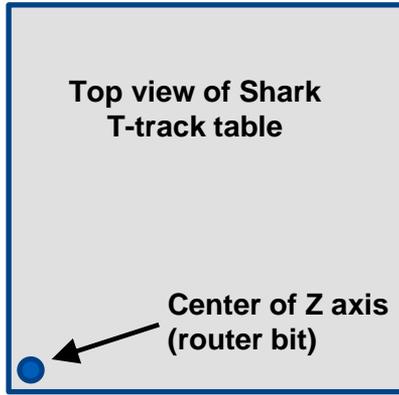
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**Step 4** – Select either **Home X Axis** or the **Home Y Axis** starts the homing route for that axis.

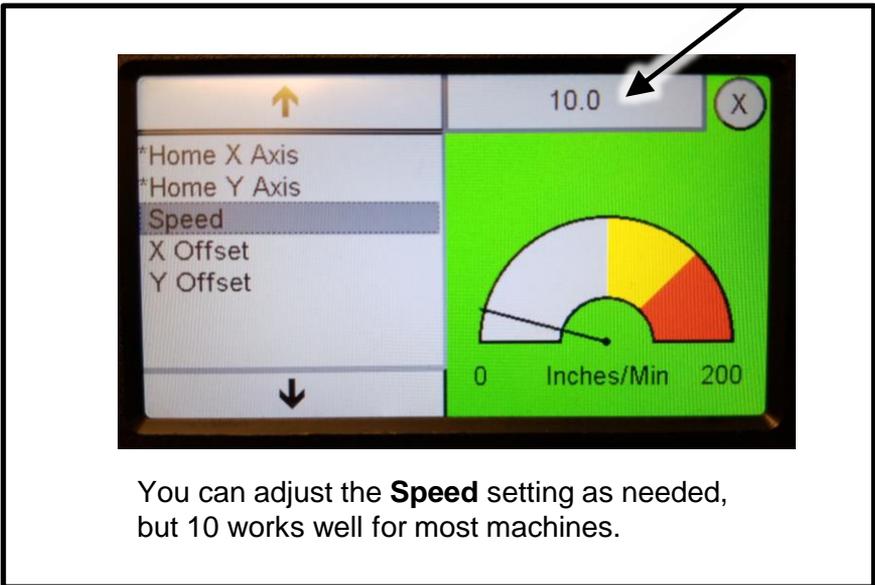


**Step 5** – Click **OK** or return to main screen and move XY axes to with 4 inch of the front and left sides of the table.



X0 , Y 0

**Step 5** – When the Homing apps reaches the sensor it will move back towards the table a small amount. A confirmation screen appears – Press OK. Repeat app with the other axis. After both XY axes have been Homed, the Z axis (router bit) will be centered over the Machine home location and the Pendant will read X0,Y0.



You can adjust the **Speed** setting as needed, but 10 works well for most machines.

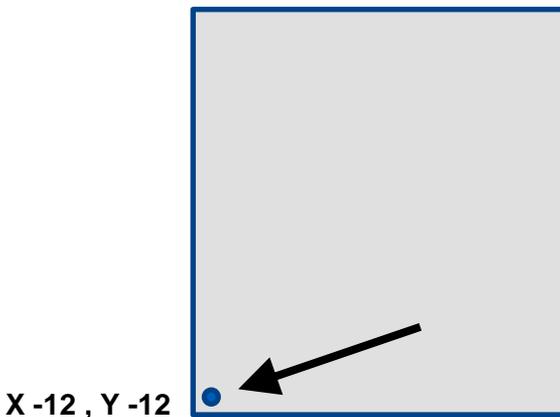
## XY Offset option



The **X Y Offset** options allow you to set the XY zero location a precise distance from the machine's Home position. This new location can be referred to project zero because it matches the XY datum location in your VCarve Job Setup.

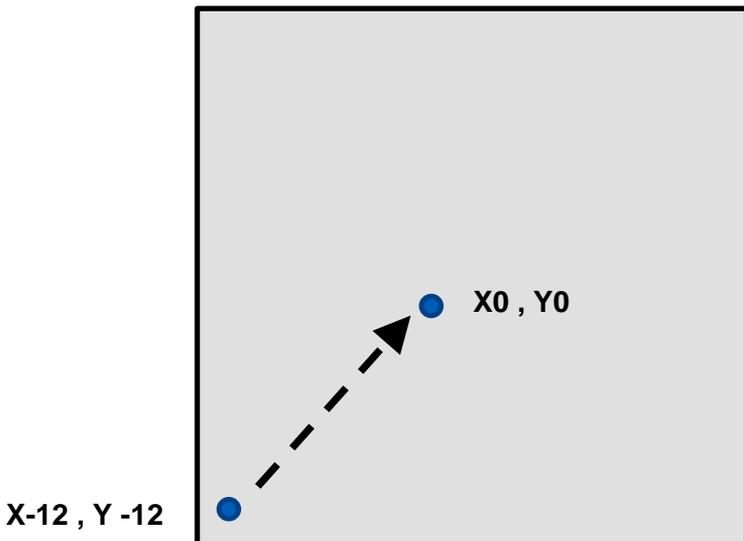
**NOTE:** the **Offset** number must be a negative number.

After setting the **Offset** amount run the **Home X Y Axis** routines. When the homing routines finish running the XY axis will be positioned at the Machine Home location (see below) but the X and Y position fields on the main screen will reflect the negative offset amount (see next page)





The X and Y positions on the main screen will read the negative offset positions. Next, press **Mv 0,0** to move the XY axes to the new “project” zero location (see below)





SHARK LCD XY Homing App  
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