



**RZNC-05 Series**

# **Function Operation**

## **Setup the Home Function**

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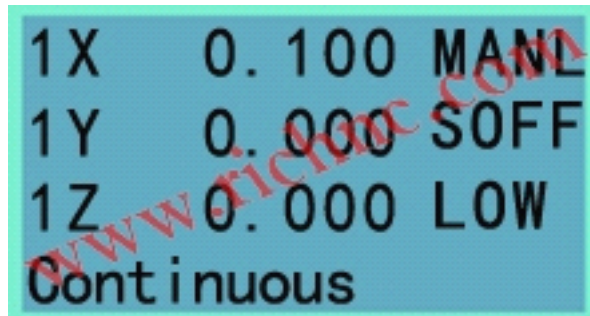
# Setup the Home Function

1. Connect the RZNC Controller with computer or machine, power on, the controller will show your "Goto Home" (as View 1)



View 1

2. Press the "Delete" key, the RZNC Controller will show "manual state screen" (as View 2)



View 2

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## Remark:

Because we have not the correct "Pulse Equivalent" parameters now, so we press the "DELETE" key first time.

If we had the correct "Pulse Equivalent" parameters, we must press the "OK" key when the controller show your "Goto Home" with machine (Connect with machine).

If we connect with the computer, we must press the "DELETE" key when the controller show you "Goto Home".

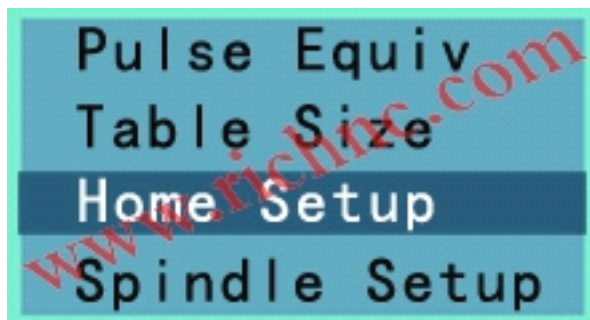
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3. Press the "Menu" key, we will enter into the "menu function" (as View 3)



View 3

4. Select the "Machine Setup" and press the "OK" key, we will enter in the "Machine Setup function" (as View 4)



View 4

5. Select the “Home Setup” press the “OK” key, we will enter in the "Machine Home Setup function" (as View 5)



View 5

6. Select the “Home Speed” press the “OK” key, we will enter in the "Home Speed setup function" (as View 6)



View 6

7.If you know you machine speed parameters, and you want changed the X Axis "Home Speed Parameter",press the "Delete" Key, and enter the needed parameter(as view 7)



View 7

(Remark: this parameter must be suit your machine drive and motor. If this parameter more than your machine to bear ability, maybe will damaged your machine)

8.Change the Y and Z Axis "Home Speed Parameter", (as view 8)



View 8

9.After finished the "Home Speed Parameter",press the "OK" key for saved and cancel the "Home Speed setup function", we will return the "Machine Home Setup function" (as View 9)

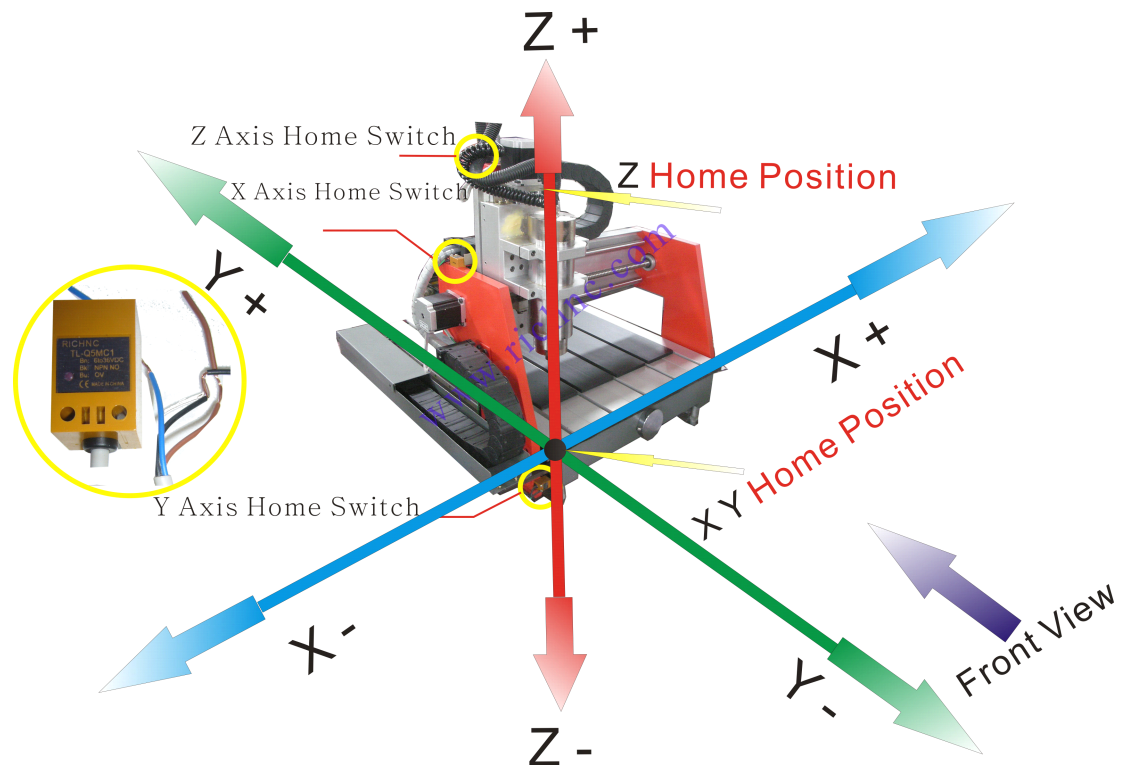


View 9

10.Let us know about the "Home Direction" Before setup the "Home Direction"

We must know the "Home Direction" depend on where the "Home Switch".

Home Switch is one device's name of the switch. Proximity Switch,Touch switch and so on, all of this can be used as the Home Switch.(as view 10)



For example as the View 10:

Press the "X+" key, the spindle moving to right and press the "X-" key, backward.as the view 10,  
Press the "Y+" key, the spindle moving to front and press the "Y-" key, backward.as the view 10,  
Press the "Z-" key, the spindle moving to Down and press the "Z+" key, backward.as the view 10,  
(if any direct is wrong, please changed the motor dir as the same as View 10)

**X Axis:** Because the X axis home switch at the left of machine(X direction contains two direction Left and Right), then the X axis "Home Direction" must be left of machine.

So the X axis "Home Direction" is "-Dir"

**Y Axis:**Because the Y axis home switch at the Bottom of machine(Y direction contains two direction Front and Back), then the Y axis "Home Direction" must be Bottom of machine.

So the Y axis "Home Direction" is "-Dir"

**Z Axis:**Because the Z axis home switch at the Top of machine(Z direction contains two direction Up and Down), then the Z axis "Home Direction" must be Top of machine.

So the Z axis "Home Direction" is "+Dir"

11. Setup the Home Direction (as view 11)



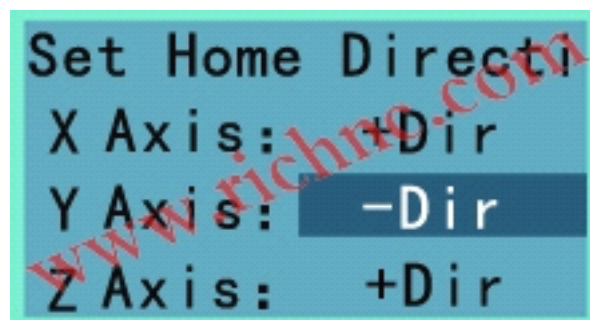
View 11

12.If the X Axis home direction is wrong, press the "Y+ " or "Y-" key to change the direction from "-Dir" to "+Dir" (as view 12)



View 12

13.Press the "OK" key to saved this changed and next step(as view 13)



## View 13

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**Remark:**

Different machines will setup different "[Home Direction](#)", there just make as an example for explain "[Home Direction](#)". So setup the "[Home Direction](#)" as your really machine.

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