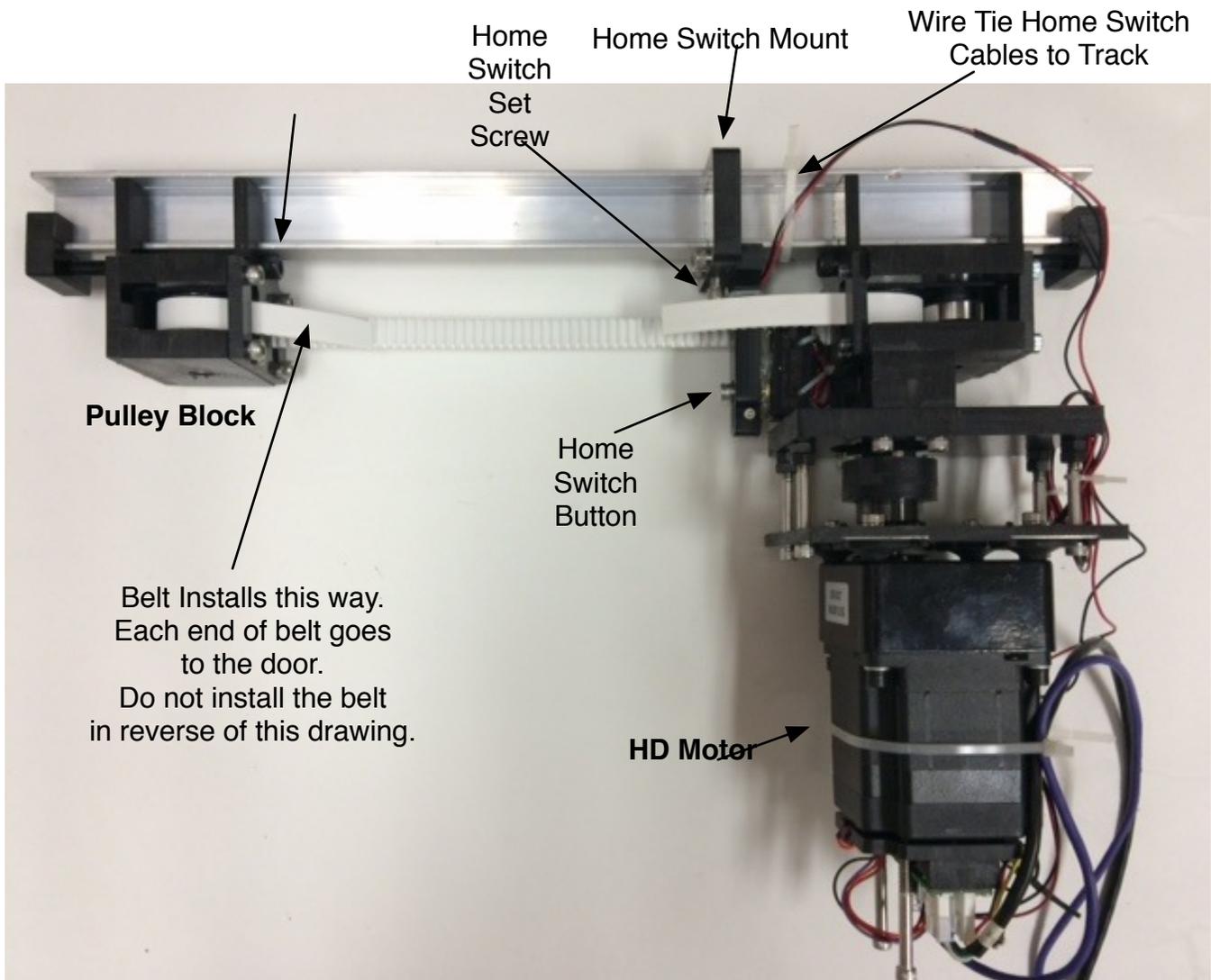


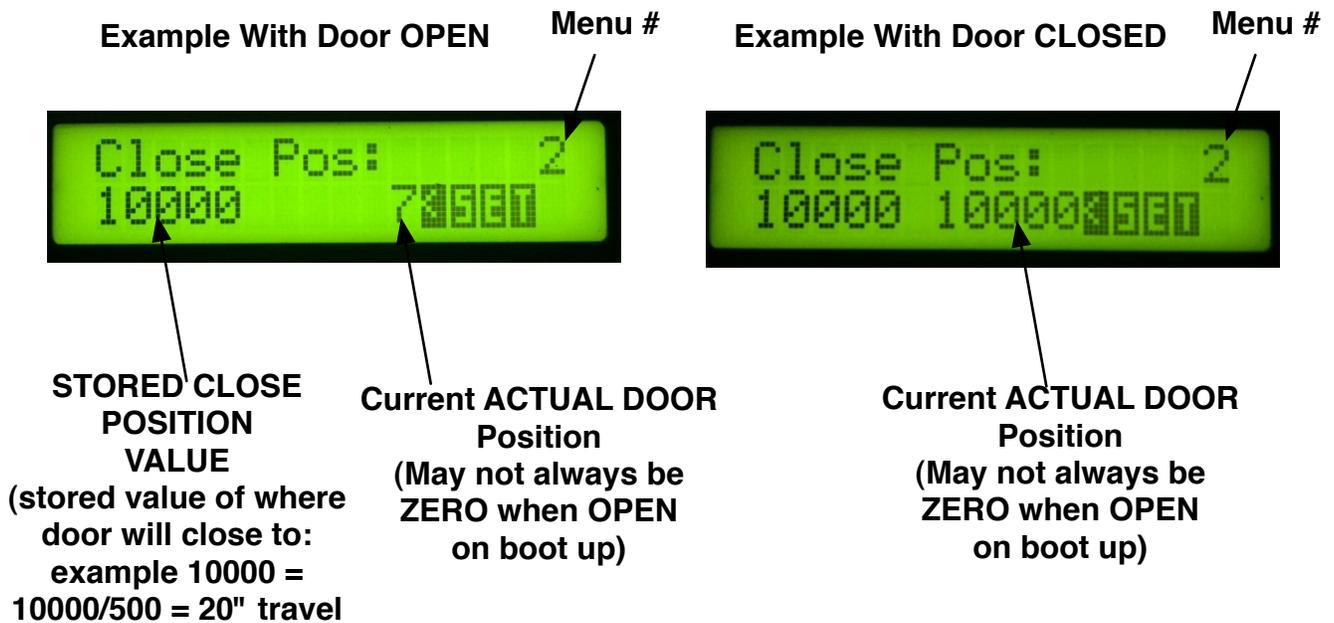
# Dado Door

## Setting Door Travel Limits

This guide will show how to set the limits of travel. **NOTE:** This Guide assumes that you already have your door installed and working properly. In new installs, it is best to confirm that the **MOTOR DIRECTION** is correct before powering ON. If the belt is installed in reverse, the door will run backwards and damage can occur. Contact Dado Door to verify your system is set up correctly before proceeding.

Notice the Home Switch Button and Home Switch Track Mount Bracket in the illustration below. The Home Switch Button is a metal button that points towards the door. It will press in about 1/4" and is spring loaded. Upon power up, the door will ALWAYS move very slowly to find this button. It will press the button in, and then REVERSE back off of the button and stop within 1/8" of the button. This position is the HOME or ZERO point in software. The Home Switch Track Mount can slide back and forth on the track. This should be positioned so that the door sits right at the button in the FULLY OPEN POSITION. This should be set to be sure the leading edge of the door sits where you want it to in the normally OPEN state. Tighten the Set Screen on the Track Mount Bracket when done!





### SETTING THE CLOSED POSITION LIMIT

Regarding the CLOSE POS MENU:

There are two values shown on newer versions, the STORED VALUE, and the ACTUAL DOOR POSITION.

On the most recent software versions starting in early 2015, there are two ways to set the CLOSED POSITION. If your screen shows the word SET, then you have the newer system. If you do NOT see two numbers and the word SET as shown above, then your system does not have the newer options.

On older systems, there is ONLY one number on the bottom line, and you can only set the CLOSE POSITION by incrementing the number and then testing the door travel. Be sure to NOT set a position greater than the door should be allowed to travel, as the door can hit the jamb. Take a measurement of how far the door should travel, then multiply the INCHES of travel by 500 to get a good estimate. Example, if your door is to travel 36", then  $36 * 500 = 18000$ . NOTE: If you are programming a DUAL DOOR System, then the TRAVEL should be calculated to the CENTER POINT where the doors meet, NOT to the other door. You will crash the doors together if you do not pay attention to this detail! Do not simply type in the full value ( ie 18000), as it is better get an understanding of the process by using smaller numbers at first to see the result. Set a value, test the motion, then continue. Increment in smaller predicable amounts until the door is near the closed position you want. As mentioned,  $500 = 1"$  of travel. When you are getting close to the final CLOSE POSITION, it is best to adjust in smaller values when getting close the correct position, ie 62 for 1/8" moves to avoid having the door hit the jamb.

(continued below)

NOTE: It is NEVER ALLOWED to have the door make contact with the jamb or another door in a dual door system. There MUST BE A SLIGHT GAP of some amount to avoid bumping. If the door is making contact with the jamb or other door, the motor will never reset and damage can occur.

ON NEWER SYTEMS, you can enter the MENU and select CLOSE POS as shown above. If the door has just been HOMED, it may show a small value of 7 as its ACTUAL FULLY OPEN position. If the door is fully CLOSED, it will show a value on the bottom RIGHT that is the ACTUAL position of the door. This value should be very close to the STORED CLOSE POSITION VALUE.

**While in the CLOSE POS MENU, you can set the new CLOSE POSITION BY EITHER METHOD:**

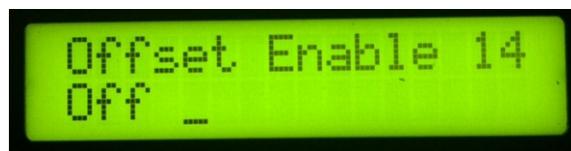
1. Adjust the STORED CLOSE POSITION value with the -/+ buttons. As you adjust the position, the values are being permanently stored and will never change unless you make further changes.
2. After booting up, and the system has successfully completed the HOMING PROCESS (and the screen says READY), you can enter the CLOSE POS MENU, and take the door by hand and move it to your desired CLOSE POSITION. Be sure to leave a slight GAP between the leading edge of the door and the door jamb( or other door if this is a dual system), else the door may hit the jamb and make noise and further cause the motor to never rest.

Once the door has been positioned by hand to the desired CLOSE POSITION, you can then press the GREEN button to SET and STORE this position. On some newer versions, you only need to press the GREEN Button once to SET the position permanently. In Feb 2016, a change was made to require the GREEN button to be held for a few seconds to actually store the value, some beeping sounds will indicate when it is stored. You will know if your value was written if the VALUE On the RIGHT is written to the Value on the LEFT. This means that the ACTUAL DOOR POSITION on the right has been permanently STORED in the STORED CLOSE POSITION value on the left.

**IMPORTANT NOTE:**

If you have already set your HOME SWITCH BRACKET POSITION and have also set your SET CLOSE POSITION, and then later move the HOME SWITCH BRACKET in either direction, you must re-adjust the SET CLOSE POSITION to compensate for the newly adjusted HOME SWITCH BRACKET POSITION. If for example you move the HOME SWITCH BRACKET in the closing direction by 1", but fail to adjust the SET CLOSE POSITION, then the door will hit the wall and damage can occur. It is best to reduce the SET CLOSE POSITOn by some amount ie 1000 before adjusting the HOME SWITCH BRACKET to be sure you do not bang the door, then re-adjust the SET CLOSE POSITION.

## OFFSET OPEN POSITION



### OFFSET OPEN POSITION

In software, the door can actually be "offset" in the OPEN position by a user definable value. In the MENU of the Dado Master Controller there are two items to use for this feature:

**Offset Open Pos** ( Position )

and

**Offset Open Ena** ( Enable )

The default is 0 and OFF. If you have set the Home Switch Bracket and are not able to access it to move it forward(in closed direction) and you want to have the door sit OPEN by some amount that is different from the point of contact with the Home Switch Button, you can use the OFFSET OPEN POSITION to achieve this. Keep in mind, this can only be used to offset the door towards the CLOSED direction, there is no way to offset the door towards the OPEN direction(towards the motor) due to the physical limitation of the Home Switch Button.

To adjust the Offset Open Position, increment the number value from 0 to any number. Note that a value of 500 is approximately 1" of door travel. So for example, if you want to offset the door closed by 1/2", you would adjust the OFFSET OPEN POSITION by + 250. Likewise, 1/4" = 125, 1/8" = 62, 1/16" = 31.

