



BFT Deimos Ultra Motor Installation and Programming

To remove lid see page 2 of manual, drawing C.

Unscrew the 2 screws at the rear of the motor. Squeeze the bottom of the plastic housing from each side and lift up. There are 2 tabs at the front that position the lid to the motor.

Before drilling holes, position the motor beside the gate and sit a piece of geared rack (teeth) against the gate, position the motor so that teeth on rack and motor are aligned.

While holding the rack in place push the gate fully open and closed to see if motor is in correct position. Sometimes gates are warped and you may need to move the motor in or out to find a happy medium. If the motor is too close, the bolts and brackets of the rack will catch. If you are too far out the rack will disengage with the cog on the motor. Mark the holes and or position of the motor. Use the template to make sure the gate is parallel to the gate.

Drill your 1st 10 mm hole and drop a bolt in. Approximately 50 - 60 mm deep only (Hint: Drop the bolts in upside down for now in case you make a mistake.)

Check your measurements and drill the 2nd hole and drop in the bolt. Check all is good then drill your last 2 holes. Discard the template if you wish. If you are happy, fit your 4 fasteners/ bolts correctly and use a washer and nut and tighten these fasteners.

Depending on where the rack sits on your gate/wheel heights, you may have to add extra nuts and washers to lift the motor. Level these spacers and put the

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motor on. Fit the last of the nuts and tighten when you have double checked the position against the rack and gate.

When fitting the rack the 1st is the hardest. First unlock and pull out the little door to put in manual (Hint: Lay out the rack beside the gate to make sure you have enough length and at least 2 fixing points on each piece of rack. The rack needs to protrude approximately 300 mm past the motor on each end).

Hold the rack level and fit a screw either end. Move gate back and forward. The rack teeth should NOT be tight on motor teeth or too high that they are not touching. Adjust the rack so that there is approximately 2 mm between the rack and motor cog. Move gate along until the rack bracket is close to the motor, but you can still install a screw. Slide the rack up or down to adjust it. The rack has a bit of flexibility in it. Just do every 2nd bracket for now. You can start either end. Do whatever is easier for you. Once the first rack is finished, slide the rack past the motor and sit the next rack in place (these racks interlock). It is a good idea to clamp another length of rack under the first so just a couple of inches is sitting out. This will hold the next rack in the correct position so you don't get the clickety clack like an old rail road train. Move the gate till you can screw the last bracket of this rack to the gate. Then remove the temporary rack and screw the 2nd rack same as the 1st. Continue this until all rack is fitted. Push the gate back and forward to check the tolerances. Adjust as requires and if you are happy, fit the rest of the screws.

If you are adding a push button or keypad or intercom. Connect the 2 trigger wires to terminals 60 and 61. There must be NO POWER on these wires. Doing so will blow up the control board and VOID WARRANTY.

Assemble the limits before clipping to rack and fit your limit switches to the rack as per page 2 in manual, drawing F. (Hint: There is an R on one magnet and an L on the other. When you are inside, looking at the gate. The R goes to the right hand side and the L on the left. Don't tighten yet, you may need to adjust them a bit).

After you are happy with the installation you can tighten the screws and screw the bracket to the rack.

Hint: There are little black brackets that u can't find a home for. If you are using standard 20 mm wide rack, these are unused. Some brands of rack are 10 - 15 mm wide and these are clipped inside the limit brackets as packing.

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While the display is off pressing the (+) button will open the gate. Pressing the (-) button will close the gate.

When gate is at full open or closed, read the screen. If the gate is closed and screen says **SUC** the direction is correct. If it says **SUO**, you need to reverse the direction. This is in **LOGIC** menu (see page 3).

TO GET INTO PROGRAMMING

Press OK 3 times QUICKLY, screen should read **PARAN**

Use (-) button until screen says **LING**, use (-) and (+) button till screen says **LANG**

PRESS OK

Use (-) and (+) button until screen says **LOGIC**

Press OK

Screen will say **TCA**

Press OK

Press (-) and (+) until screen says **1(one)**

Press OK

Press (-) and (+) until screen says **StEP- by-StEP**

Press OK the limits before clipping to rack

Press (-) and (+) until screen says **1 (one)**

Press OK

DIRECTION CHANGE IF REQUIRED

(while in **LOGIC** menu.)

Press (-) and (+) till screen says **oPEn in othEr dirEct**

Press **OK**

Press **1**

Press **OK**

CODING REMOTES

Press (-) and (+) simultaneously until screen says **LOGIC**

Press **OK**

Press (-) and (+) until screen says **RADIO**

Press **OK**

*Screen says **Add Start**

Press **ok**

Screen says **hiddEn bUtton**

Press the 2 top buttons on remote control at the same time. After approximately 2 seconds the LED will come on, release the buttons.

The screen will now say **dEsirEd bUtton**

Press the button on the remote you want to use for 2 secs (LH) screen will say **OK 01**

Repeat from * for next remote. Screen will say **OK02** etc. for extra remotes

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IF YOU WANT A SECOND BUTTON TO OPEN THE GATE

Press (-) and (+) simultaneously till screen says **Add Start**

** Press (-) and (+) until screen says **Add2ch**

Press ok

Screen says **hiddEn bUtton**

Press the 2 top buttons on the remote control at the same time. After approximately 2 seconds the LED will come on, release the buttons.

The screen will now say **dEsirEd bUtton**

Press the button on the remote you want to use for 2 secs. (RH) screen will say **OK 01**

Repeat from step ** for next remote.

Screen will say **OK02** etc. for extra remotes

SETTING LIMITS AND AUTOSET

Press (-) and (+) simultaneously until screen says **RADIO**

Press (-) and (+) until screen says **AUtoSEt**

Put gate into manual by opening front bottom lever, you may need the key.

CLOSE the gate manually and lock it back in.

Press OK. Motor will count down 3, 2, 1 then start opening. It may open / close a few times and then say **OK**

Press (-) and (+) simultaneously twice until the gate says **end**

Now you are ready to operate the gate press the remote and see what happens.

When you press remote to open, gate should open fully. Likewise when closing.

While opening, if you press remote again, motor will stop.

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While closing, if you press remote again the motor will stop and open fully.

While the gate is moving in either direction, if you stand in front of the gate, it should put some pressure against you then stop and move in the opposite direction for approximately 500 mm. This is normal operation.

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