Parameter Settings & Default Values

The QBOT has a number of user-adjustable settings that change the way QBOT operates. Below is a list of the parameters and the default values. Some settings, such as x- and y- parameters are frame/installation dependent.

If the stitching is "upside down" and/or "backwards," these directional parameters need to be changed:

- place the machine in the lower left corner of the frame
- move the machine only in the x-direction (to the right)...the x value should increase
- return to the lower left position; move only in the y-direction (away from you)...y value should increase

From the QBOT V3 app homescreen (for version 3 QBOT), click the yellow button entitled "Settings"
For version 1 and 2 QBOT, the parameters can be viewed from the 'Setup' menu.

- From the Quilt|Record|Options menu, select 'Options,' 'Setup,' and press 'GO'
- To navigate/change the parameters, use the up and down navigation arrows.
- To store the parameter, press 'GO.' 'Setting Saved' is displayed and the user is returned to the Options menu.

NOTE: The parameters highlighted in the blue boxes are the differences between the two lists.

Parameter Settings: Standard/Mid-Arm*

Use Metric	NO/0 or Yes/1
X Axis Direction/Invert X – for versions 1&2 – for V3	 -1 or 1 0 or 1
Y Axis Direction/Invert Y – for versions 1&2 – for V3	 -1 or 1 0 or 1
Use Thread Cutter	NO
Wheel Diameter (mm)	22.3
Motor Current (%)	50
SpdCtrl/Mach On Delay (mSEC)	2000
SpdCtrl/Mach Off Delay (mSEC)	2000
Motors Enable Delay (mSEC)	200
Motors Disable Delay (mSEC)	1000
Acceleration Factor	2200
Delta Factor/Corner Factor	0.7
Encoder Sampling Time (mSEC)	50
Encoder Lag Time	1000
Recorder Accuracy	0.1
Check Position Error/Follow Error	YES or 1
Hover Speed Override	3
Thread Cutter Delay (mSEC)	2000
Use Buzzer/Beep	YES
Motor Speed	100

*mid-arm sewing machines have a 9" throat space, and utilize the Quilter's Cruise Control for stitch regulation.

Parameter Settings: Long-Arm

Use Metric	NO/0 or Yes/1
X Axis Direction/Invert X – for versions 1&2 – for V3	 -1 or 1 0 or 1
Y Axis Direction/Invert Y – for versions 1&2 – for V3	 -1 or 1 0 or 1
Use Thread Cutter	NO
Wheel Diameter (mm)	22.3
Motor Current (%)	70
SpdCtrl/Mach On Delay (mSEC)	200
SpdCtrl/Mach Off Delay (mSEC)	200
Motors Enable Delay (mSEC)	200
Motors Disable Delay (mSEC)	1000
Acceleration Factor	1500-2000
Delta Factor/Corner Factor	0.5-0.7
Encoder Sampling Time (mSEC)	50
Encoder Lag Time	1000
Recorder Accuracy	0.1
Check Position Error/Follow Error	YES or 1
Remote Pulse Time	200
Hover Speed Override	3
Thread Cutter Delay (mSEC)	200
Use Buzzer/Beep	YES
Motor Speed	100