General Operation of the LCD key pad and Rams Horn Handles

When you turn on your Quilting Machine you will hear two (2) beeps and after 3 seconds you will hear another beep. This lets you know that your machine is ready. The first screen you see will be Figure 1. (Opening screen will have version number displayed.)

The controls:

This key decreases the motor speed, stitch length, and selecting modes in the menu.

This key will ‘jog’ the needle up or down 1/4” each time it is pressed.

This key is for going to the menu.

This key is used to select menu items.

This key is used for increasing motor speed, stitch length, and selecting modes in the menu.

This key is for putting the needle in the down position and is also used to decrease lighting intensity.

This key is for putting the needle in the up position, and also to increase the lighting intensity.

This key is for starting the machine and stopping the machine In Fig 2, you can see where it shows Stitch OFF. This button will change it to Stitch ON (see fig 3). (NOTE: Quilting Machines will not stitch if you see the word ‘off’ next to the stitch.) Machine will turn off automatically if no movement is detected after 15 seconds.
Equate Stitch Regulation

Now you are ready to start quilting. You turned on your machine and waited for the beeps and you see the screen in Fig 1. At this point if you want to change the Stitches per Inch (SPI) then you can press and release the (−) key to decrease the number of stitches or you can press and release the (+) key to increase the number of stitches. *Note: If you press and hold the (−) or (+) keys you will see the bar graph decrease or increase quicker than if you just press and release the (−) or (+) keys.* Once you are happy with the Stitches Per Inch (SPI), then you can press and release the Start/Stop key and the LCD screen will change to show “Stitch ON” (see Fig. 3) This means that your machine is ready, as you move your machine it will stitch.

Left Hand functions: Press “Needle” for a full cycle revolution. Most often used to bring up your bobbin thread or to tie off.

Press (−) button to decrease the SPI while in SLR mode or to decrease the motor speed while in Constant mode.

Right Hand functions: Press ‘Start/Stop’ to conveniently start or stop your quilting machine.

Press (+) button to increase the SPI while in SLR mode or to increase the motor speed while in Constant mode.

Rams Horn Handles Operating Features

Left Hand functions: Press “Needle” for a full cycle revolution. Most often used to bring up your bobbin thread or to tie off.

Right Hand functions: Press ‘Start/Stop’ to conveniently start or stop your quilting machine.

Press (+) button to increase the SPI while in SLR mode or to increase the motor speed while in Constant mode.

Figure 3
Changing Functions

When you are ready to switch stitching modes you will press the (Menu) key.

This will bring up the menu to select from. As you can see in Fig 3, there are other options in the menu.

Stitch: Lets you choose between Equate (SLR), Constant (manual stitch), Cruise (Combines SLR and Idle), Ruler (an SLR that doesn’t turn off after 15 seconds like Equate), Robotic (disengages the handles), Tie-off Up and Tie-off Down (takes a 3 stitch locking stitch when you choose SELECT).

Lighting: This option will dim and brighten the light beneath the handles (see fig. 6)

Diagnostic: This option will only be used by your technician when servicing your machine.

Select Indicator dash. To move the select indicator dash on the left side of the screen use the (-) key to go down the list and the (+) key to go up the list. To select the function press the ‘Select’ key

Stitch Regulator Modes

Once you have pressed the (select) key you will be able to choose between the Equate, Constant, Robot, Cruise, Ruler and Tie-off Up and Tie-off Down simply by using your (-) or (+) keys. (Fig 4)

Press the (Select) key to choose the desired mode. When you choose the desired mode, the machine LCD screen will show OFF next to STITCH. At this point you can move your machine to your preferred start point and then press “needle” key to pull up your bobbin thread you can then press the Start/Stop button to begin stitching.

You will see a bar graph at the bottom of the LCD with SPI on the right. This is your Stitch Per Inch indicator. You will use the (-) key to decrease the number of Stitches per Inch and use the (+) key to increase the number of stitches per inch.

Constant Stitch (Manual)

Constant Stitch is the only non-regulated stitch mode, also called Manual Mode. (Fig. 5)

You will notice you have the OFF just like in Equate Stitch but you have % Speed at the bottom rather than the bar graph. The machine will begin to stitch once you press and release the Start/Stop button.

Like the Equate Stitch you can use the (-) or (+) keys to decrease or increase the % Speed of the machine. Constant does not have a default to turn off once it has been turned on. If you stop moving your machine, the needle will keep stitching. This can cause a build up of thread until it runs out of thread which can cause thread breakage and even needle breakage. It will keep running until you press the Start/Stop key.
Lighting Options

By pressing (-) key, align the select indicator dash on the Lighting feature and press Select key. Here you will find your optional lighting features

White
Ultra Violet
Laser

Each option will default to the maximum lightning 99%. (See Figure 6)

To adjust the lighting dimmer, press

To adjust the lighting brighter, press

When you have selected the perfect lighting for your project, press the Select key two (2) times. The first time will turn off the lighting and the second will readjust to your required brightness.

Press (Menu) key to bring you back to your selected stitching choice.

NOTE: The Laser feature is optional.