

Instructions

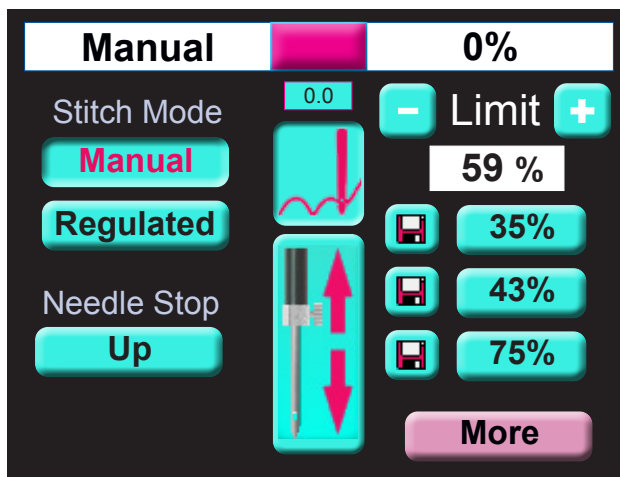
HQ InSight™ Table with Built-in Stitch Regulation for HQ Sweet Sixteen®

Machine Operation

Manual Mode

When in manual mode, depressing the foot pedal will cause the sewing speed to increase, until the pedal is fully depressed, at which point, the machine speed matches the top speed setting.

The two buttons on the left side of the display are the Stitch Mode selectors, “Regulated” and “Manual”. Selecting “Manual” will allow the machine to operate without the stitch regulations. In this mode, you have access to the stitching speed Presets and other features that are standard with the HQ Sweet Sixteen.



Two Styles of Stitch Regulation

Cruise

The default Stitch-Regulation Style is called Cruise. When in Cruise stitching mode, depressing the pedal will start the machine at the defined Cruise (starting) speed. As the fabric moves, the InSight sensors will regulate the machine speed, when the fabric motion is faster than the Cruise speed setting. It speeds up as you do, maintaining the Stitches-Per-Inch stitch length that you’ve chosen.

Using Cruise style allows you to ease gently into your stitching, creating smoother starts and stops. It is the best style choice for most quilting methods.

Precision

Setting the Cruise speed to 0 will automatically engage the Precision Style of Stitch Regulation.

When in Precision stitching style, depressing the pedal (or pressing the Play/Pause Button) activates the machine and starts regulation, but the machine does not start sewing yet.

The status box on the top center part of the screen will turn from red to green to indicate the machine is active.

Moving the fabric will start the machine stitching. When the fabric stops moving, the machine stops stitching, possibly in mid-stroke. The default Needle Up/Down choice is overridden by Precision. Releasing the pedal or pressing the Pause/Play button stops machine operation and moves the needle to the chosen Needle Up/Down position.

Choosing a non-zero Cruise value will re-engage the Cruise setting.



Designed by a Quilter, for Quilters.®

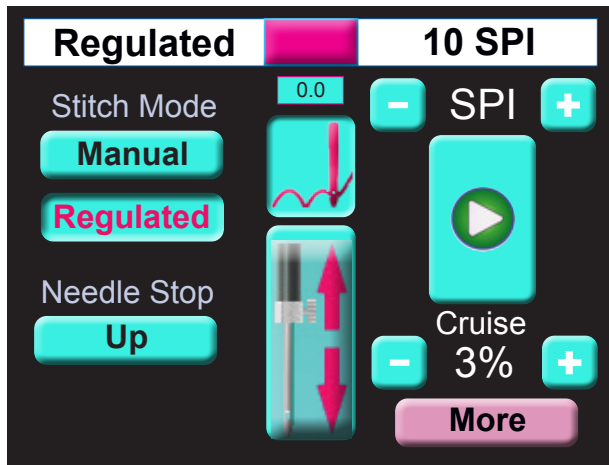
www.HandiQuilter.com • 1-877-MY-QUILT (697-8458)

© Handi Quilter, Inc.

Activating Stitch Regulation

Regulated Mode

Pressing the “Regulated” button will change the display, replacing the “Speed Adjustment” and “Preset” sections of the screen with a “Stitches-Per-Inch” section and a “Cruise” section. A “Play/Pause” button is also added above the “More” button on the center-right side of the screen to allow machine operation without having to press the foot pedal.



Two Ways to Start/Stop in Stitch-Regulated Mode

Foot Pedal

In stitch-regulated mode, the foot pedal acts as a “Regulation Start” switch. Once sewing is started by depressing the foot pedal, pressing the foot pedal further will have no effect on the sewing speed. The pedal acts as a simple on-off switch.

Play/Pause Button

There is also a “foot pedal-free” mode of regulated operation with the InSight Stitch Regulator. When in Regulated mode, a “Play/Pause” button can be found on the main screen at the center-right of the screen. This button can be used to start and stop regulated operation in place of the foot pedal.



To Prepare for Quilting

Display Screens Information

With any quilting machine, it is important to understand the basics of free motion quilting. The HQ Sweet Sixteen® quilting machine does not have feed dogs like domestic machines; therefore, the fabric does not automatically feed under the hopping foot. The operator controls the machine sewing speed with the My Speed setting and the foot pedal, and moves the fabric to get an even, consistent stitch.

To Find a Comfortable Stitch Speed

In order to become comfortable using the HQ Sweet Sixteen, quilters can begin with a few simple techniques using a sample quilt sandwich (two pieces of fabric with a layer of batting between them). Set the machine at a medium My Speed setting (700 SPI) and begin moving the fabric until you become accustomed to the resistance. By moving the fabric faster, the stitches begin to elongate. The My Speed setting can either be increased or the fabric can be moved slower to get the stitches back to the desired length. By moving the fabric slower, the stitches get shorter and can build up on top of each other, breaking the thread or making it extremely difficult to unpick.

The My Speed setting can be decreased or the foot pedal released slightly, while maintaining a constant motion with the fabric, to bring the stitches back to the desired length.

When quilting, relax your hands and maintain a light touch on the fabric. Gripping the fabric too tightly may cause body tension resulting in poor quilting quality and discomfort.