



BE-101,916,901,1216,1201AC

For Technical Assistance Please Call Toll Free 1-877-4BROTHER

Machine Settings



Setting of Thread Breakage Sensor



Sensor ON/OFF – Turns the thread break sensor either on or off.

Default setting is ON.

Recommended setting is ON.



Thread breakage sensitivity – How many missed stitches will it take before the machine detects a thread break.

Default setting is 10.

Recommended setting is 10.

This can also be modified per needle in case you are running metallic thread and you have a lot of false thread breaks.



Number of stitches to automatically step back – this is used to program the machine to back up even further than the number of stitches the thread break sensor is set for.

Default setting is 0.

Recommended setting is 7.



Display the total number of stitches to back up – machine can be set for OFF which the machine will only back up the number of stitches specified in thread break sensitivity or can be set to ON which will add the number of stitches to back up to the total.

Default is OFF.

Recommended setting in ON.



Lower thread counter counts – Count down the number of runs that you have set until the machine will beep and remind you to change the bobbin. Does not detect the bobbin thread running out.

Default setting is OFF.

Recommended setting is OFF.



Setting of Machine



Hoop – Can only be used in cap mode. Used to select which type of cap frame you are using.



Wide cap frame – standard frame that comes with machine with sewing field that is 14.17” wide.

Default setting is WIDE.

Recommended setting is WIDE.



Semi-wide cap frame – for Brother and aftermarket frames with a sewing field that is 7.08” wide.



Standard cap frame – Sewing field that is 6.29” wide.



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Thread trimming length – determines the length of thread left out of the needle after a thread trim. The lower the number the shorter and the higher the number the longer it is.

Default setting is 4.

Recommended setting is 4.



Thread removal feed length and Inching



Thread removal feed length – How much the pantograph moves after a trim to add in removal of the cut thread from the fabric.

Default is 15mm.

Recommended setting is 20mm.



Inching – Slow sewing speed of 100 - 120 spm when the machine starts up after a thread trim. When the machine is doing the inching stitches the thread break sensor is momentarily turned off to reduce false thread breaks.

Default setting is ON.

Recommended setting is ON.



Resetting of thread breakage error – How the machine reacts when it has a thread break.

Auto – Machine will beep 2 times and then automatically back up.

Recommended setting unless you like the machine to beep continuously until pressing the STOP key.

Manual – Machine will beep continuously until the operator presses the stop key. Then the machine will back up.

Default setting, machine will beep until you press the STOP key.



Setting of Environment



First page of settings



Return to start point after embroidery end – This will make the end point of the design the same as the start point. Corrects older designs that may have the two points a little off.

Default setting is ON.

Recommended setting is ON.



Method of reflecting modified machine speed – Do you want the machine to change the sewing speed for all needles on the machine or just the needle you are sewing with at the time.

Default is ALL NEEDLES.

Recommended setting is ALL NEEDLES.



Method of checking embroidery area – Whether a rectangular or octagon shape is used to represent the shape of the design when tracing. Rectangular is quicker but will not represent the true shape of a circular design like octagon will.

Default setting is RECTANGULAR.

Recommended setting is OCTAGON.



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Feed rate adjustment – How fast the pantograph moves during tracing. Can be set for a number from 1 – 5 (1= fast, 5=slow).

Default setting is 1.

Recommended setting is 2.



Second page of settings

Data transfer speed – Communication speed with computer when using the download cable.

Default setting is 38400.

Recommended setting is 38400.

Display language – what language is used on the display panel.

Default setting is ENGLISH.

Recommended setting is ENGLISH.

Alarm sound – This is how the machine will react with beeps on anything else beside the end of design (3 beeps) and thread break (2 beeps).

Default setting is ON.

Recommended setting is 5.

Motive speed – How fast the machine does inching stitches, stitches after a trim on start up.

Normal – 100 spm.

Default setting.

Up – 120 spm.

Cap – 100 spm on flats, 120 spm on caps.

Recommended setting.

Flat – 120 spm on flats, 100 spm on caps.

Small-pitch deletion – Setting used to delete small stitches from designs that may cause thread breaks.

Default setting is 0mm.

Recommended setting is 2mm.

XY feed power – How much torque the motors produce for moving the pantograph for positioning before sewing.

Default setting is NORMAL.

Recommended setting is NORMAL.



Setting of Boring – Knife attachment that goes in place of the needle on needle #1. Used in conjunction with a special needle plate. Used for cutting small holes in fabrics.



Boring mode ON/OFF – When ON the machine will turn off the thread break sensor for needle #1.

Default setting is OFF.

Recommended setting is OFF.



Data shift ON/OFF – Will cause the design to shift anytime the machine sews on needle #1.

Default setting is OFF.

Recommended setting is OFF.



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Setting of Lock Stitch – Lock stitches are very tiny stitches used to keep the thread from coming out of the garment.



Lock stitch ON/OFF at sewing start point – Inserts a lock stitch at the beginning of the design.

Default setting is OFF.

Recommended setting is ON.



Lock stitch ON/OFF at sewing end point – Inserts a lock stitch at the end of the design.

Default setting is OFF.

Recommended setting is ON.



Lock stitch ON/OFF at sewing start point after thread trimming – Inserts a lock stitch at the beginning of sewing after a thread trim.

Default setting is OFF.

Recommended setting is ON.



Setting of Speed Limit in a Small Pitch – Used to automatically slow down the machine on small stitches. Must set a stitch width limit and the sewing speed at which anything under that stitch width will sew. There will be two settings stored in the machine depending on the flat/cap position. You will need to set these up in each different mode.

Default setting is OFF.

Recommended setting is ON.

Flats: 0.8mm at 720spm.

Caps: 1.0mm at 620spm.



Display of Information - Displays information about the machine and sewing data.



Feed timing – Determines when the pantograph starts to move in relation to the position of the needle. Based on material thickness.

Default setting is THIN.

Recommended setting is THIN.



Automatic input setting – used to automatically read designs sequentially and how they are handled.

Default setting is MANUAL.

Recommended setting is MANUAL.



Hoop Retract Point – Used to position the hoop in another place beside the start point. Can be used at the start/end of a design or during the middle of sewing.



Automatic hoop retract – Goes to the hoop retract point at the end of sewing

Default setting is OFF.

Recommended setting is OFF.