

Embroidery Machine 101 with Jane Low
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This is the 1700 embroidery manual

https://download.brother.com/welcome/doch102340/888g60_g70_g72_om01en.pdf

Video how to operate the 1700 Brother embroidery machine:

<https://youtu.be/sQYvQSBd-No?si=DEdrbfZApca-Xnvr>

Embroidery Machine Repair Technician:

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Tips:

- 1) Finger caution!! Don't stick your fingers around the needle area when in progress.
 - 2) wait for machine prompts. If you feel you want to straighten something during stitching stop the machine and rearrange or use a stylus.
 - 3) Auto threader - is not a long lasting part if need be thread by hand at the needle eye. The wire in the threader is easily bent, one cause is using a needle eye #10 and smaller. If using the small needle do thread by hand?
 - 4) Shredding of thread at the needle? Probably caused by a misalignment at #6. Check this out
https://youtu.be/WOCi4mle5qU?si=h5A_7TIAYAK9IZbN
- Also check the thread path that your thread isn't caught under a spool cap or on a rough edge of the bottom of the thread spool.
- 5) A thread stand is very handy, if you use one make sure your thread stand is behind the machine and away from the handwheel so thread doesn't get caught in there!
 - 6) After each project remove the bobbin and casing and dust under it. Lint build up will cause your embroidery to appear as if there is a tension problem. Refer to the manual for correct order in removing and replacing the bobbin. If you hear a knocking in the bobbin area your bobbin casing is not lined up.
 - 7) Do not oil your machine. Unless suggested in the manual.
 - 8) Don't forget to thread the machine with the foot up then when you get to the needle drop the foot and thread the needle.

9) Red light green light:

-Green light you can embroider

0-Red light something is wrong. Check to see that your foot is down and that you have finished editing your design and in embroidery mode. If your thread is broken you will get a prompt and usually a red light.

Starting to embroider:

Turn on the embroidery machine and touch the screen.

1) locate and look at the size of your design. This embroidery machine will stitch in pes format. This is important to know if you are purchasing and downloading designs.

Select the fabric, appropriate stabilizer and hoop size. This embroidery machine stitches to a maximum of 6x10" embroidery design. You will notice a series (4) hoops pictures on the screen. The best selection is highlighted. Arrange your stabilizer and fabric in the hoop. If you have a grid you can find the perfect placement for your design. Note each hoop has a marking for the x/y axis so you can easily mark the area you want to see stitch in and center your project accordingly so your design is not offset.

2) Now that you have chosen the design and selected it on your machine the embroidery arm will move into place. Once it is in place you can load your thread into the machine then insert the hoop making sure the hoop is in place and the lock engaged.

3) You are now ready to "edit" your design if needed. You can move the design into different positions in the hoop to where you want to stitch your design, flip and adjust the size of the design. When ready you will "end edit" to start embroidery. At this point you will notice a green light appear once you lower your presser foot to start your embroidery.

Editing design how to's

Once your design is selected you will find the following options in the edit screen.

-Find the Center of your embroidery area for your design

-On the display screen look for the move button.

-Press that and you will see a series of arrows.

-The center dot will indicate the center of your design you have selected.

How to move design

Select move in the screen display

Look for the arrows you can move your design up and down and side to side

Alternatively you can drag the design with your finger to where you want it in the hoop. If you move the design to incorporate a larger area the hoop size may change. The approved hoop is on the screen on the top left corner

How to move forward and backward on designs by needle placement.

In the edit screen you will see a needle with a + and - sign. If you want to move ahead or go back you can select this then tap until you reach the area for example if your thread breaks.

To move up and down to a certain colour that is part of your design along with the needle -and + you will see a spool. Selecting that you can move ahead in colours or go back to an earlier colour.

How to add a second design to your Initial design. In the edit window look for add then bring in your second design. To move it use your finger to drag the design to a new position.

When ready to stitch, press end edit then embroidery. Insert your hoop and press the red/ green button.

Fonts

Select the font you wish.

In the display screen you will see a little curved arrow that allows you to add separate lines of text. Select set to keep, If you then choose font edit in this screen you can then choose an array that will allow you to arrange the letters in a circle of wave etc.

This is an excellent video

<https://youtu.be/1y7CZ431zhQ?si=t97TgRt9pKnxEuu2>

USB designs

If you purchase a design you can download an unzipped file onto your small usb. The design must be in pes format and this particular machine has a maximum embroidery area of 6x10"

You can not open a design on your computer unless you have software, but you can save a design on your usb. Plug the usb into your embroidery machine then press the pocket on the opening display screen and further select the usb icon.

There are many software that offer trials for you to experiment in designing embroidery designs. Some you may wish to look at are Sew what pro, embird, embrilliance, Hatch, Dime embroidery software.

**** Embroidery machines only read stitch designs not JPEGs.**

In order to introduce a logo if you don't have the stitch design you would then find someone to digitize a design into the **pes format** which is a stitch code only the embroidery machine can read, not your computer

SVG Files for embroidery designs:

- Generally svg files can't be used for embroidery, but this site provides both avg and embroidery design PES files of the same image
- <https://hoopmama.com/product-category/digital-downloads/embroidery-cutting/>
- You will see an annotation under the file that it does both if both formats are available.

Patch design:

- People were asking about digitizing and I mentioned it was very expensive, time consuming and finicky.
- This is the best digitizing software however the price is comparative to others
<https://hatchembroidery.com/hatch-embroidery-digitizer>
- Most software have free trial periods but I am not sure if the digitalizing part of the program is included with the free trial.

Free software <https://www.wingssystems.com/index.php/products/myeditor/>

1) decide on a design you want and create it and save into the machine memory.

Remember you can save into memory but you can't create things on the embroidery machine and transfer it on a stick.

2) You can have people come and do a stitch out at their leisure, at a specified time allowing for set up, thread colour changes, all the necessary prep work.,

Stitch outs from the pre created designs on the memory or ones you create and download from software onto a usb and then stitch out.,

3) you also want to know who is doing what.

For example are you going to have someone download software and create designs? Are you going to have some digitized? Are you going to let people play with the embroidery machine to see what they can create?

4) Design prep- are there common themes for example if you can camps are we looking at art? You can create the patches and the group appears all set to work.

Ok let suppose you have designs ready to roll

You would want to purchase water soluble stabilizer that works well the best is the stabilizer that looks like fabric rather than the saran type which is also wss type. I am not sure if I left you some. Are the folks bringing their own denim or twill or canvas that is another question?.

Next setting the patches. If you want to make 10 let's say.

You create one from scratch save it into memory then hoop the larger frame and bring up the design and move it to the top left of the hoop then add the next design so you keep duplicating and you can get a number done in each hooping and far less waste.

Have people put their scrap wss into a bin and then sew it together for reuse because I imagine you will be busy buying thus stuff. When the patches are done run them under warm water to dissolve the wss then lay

flag to dry. If someone decides to press their work and faints it is shrivelled up most likely the wss they didn't wash out.

Embroidery thread melts with high heat.

Put a T towel, Teflon pressing sheet or any scrap fabric over it then press.

Embroidery stabilizer guide

https://embroideryonline.com/machine-embroidery-stabilizer-basics/?gclid=EAlaIQobChMlXOvVnNfJggMV1Q6tBh0LZgZdEAAAYASAAEgLZe_D_BwE

You tube videos are plentiful on most subjects

T Shirts-

<https://youtu.be/ujWWVZy-3w0?si=Sas3XGOSu1C1QVud>

<https://youtu.be/wrb07AlzOdI?si=82iIPm0E5-BP1bFR>

Baby onesies

<https://youtu.be/Cn3OrClOD04?si=x99xnqNVUdY5Djnb>

Sweat Shirt

<https://youtu.be/ZZ-o3fZUz2c?si=Xz97M5VhJ5HmlujE>

Tea towels

<https://youtu.be/TIUZptbWiAM?si=3TuaT-q1wFxaYXB5>

Bath towel

<https://youtu.be/7W6IHNMHzhU?si=-GDn2t9arqTZGyDf>

Applique:

<https://youtu.be/SruZwS5fW4o?si=AOWkxUMunAK72jx>

Free standing lace

<https://youtu.be/qy6YNUvQn8c?si=5-MwflhwVMKFRoYb>

FREE designs to download:

https://www.annthegran.com/themes/free-embroidery-designs?gclid=EAlaIQobChMIg6y0p-DJggMVg9DCBB25Og6BEAAYASAAEgJs5fD_BwE

https://www.embroiderydesigns.com/freeembroiderydesigns?searchtext=bugs&gclid=EAlaIQobChMliM2KwuDJggMV9g-tBh0cEATmEAAYASAAEgKpAPD_BwE

<https://embroideres.com/free-embroidery-designs>

Embroidery reference:

<https://www.emblibrary.com/learn/projects>

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