Couching Designs

Enjoy embellishing your work with yarns.

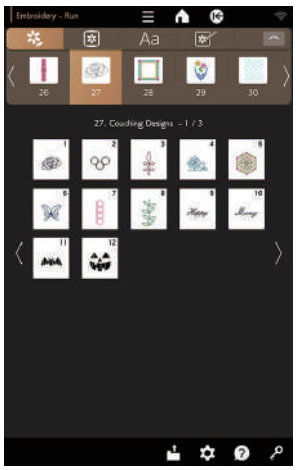
Use couching foot PC-1 or PC-2 for the couching designs.

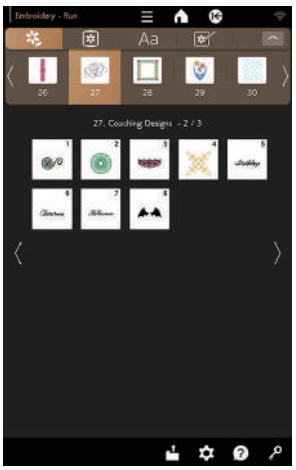
- For weight 3 yarn (light), use couching foot PC-1.
- For weight 4 yarn (medium) use couching foot PC-2.

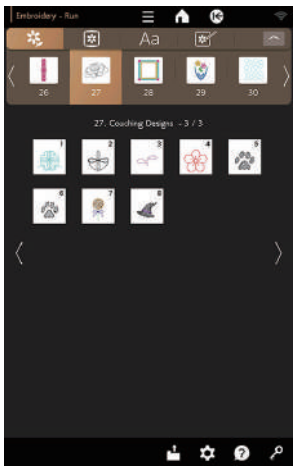
NOTE:

- Use weight 3 yarn (light) or weight 4 yarn (medium) for the couching design project.
- Do not sew on hard string.
- Test sew to check the sewing results.
- Do not use the single color sewing key for the couching designs.
- Use the same color thread for the bobbin and the needle thread as the yarns for best results.

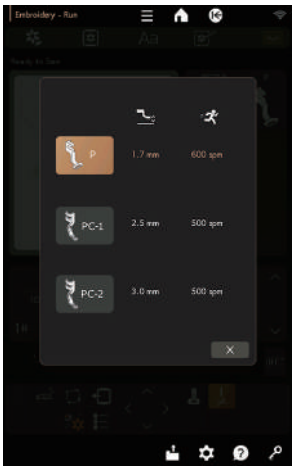
1







2



1 Select one of the couching designs.

2 In the Ready to Sew window, press the embroidery foot key.

Select couching foot PC-1 for weight 3 yarn (light).

Select couching foot PC-2 for weight 4 yarn (medium).

The presser foot height and sewing speed will be automatically adjusted to suit the selected couching design sewing.

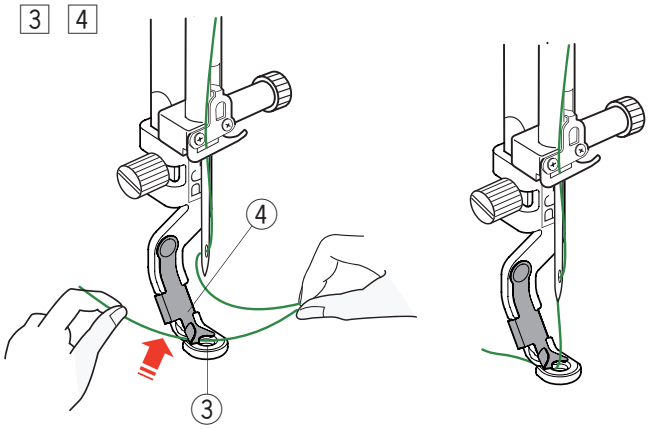
If the yarn layers become too thick, press the adjust key and adjust the presser foot manually (refer to page 53).

① Embroidery foot key
② Adjust key

NOTE:

- Be sure to select the proper embroidery foot when sewing couching designs.
- The sewing speed will be automatically adjusted to 500spm even if the maximum sewing speed is set to more than 500 spm for safety reasons. You can change the sewing speed from 400 spm to 500 spm.
- Adjust the sewing speed to slow speed for better sewing results.

3 4



⚠ CAUTION:

Press the lockout key to lock the machine when attaching/removing the presser foot, yarn guide, and threading the threads and yarns to the machine.

3 Attach the selected couching foot to the machine.

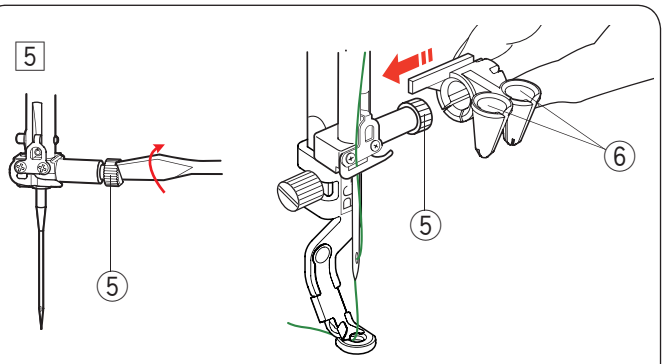
To attach the couching foot, refer to page 17.

4 Turn the handwheel toward you. Be sure that the needle passes through the center of the couching foot.

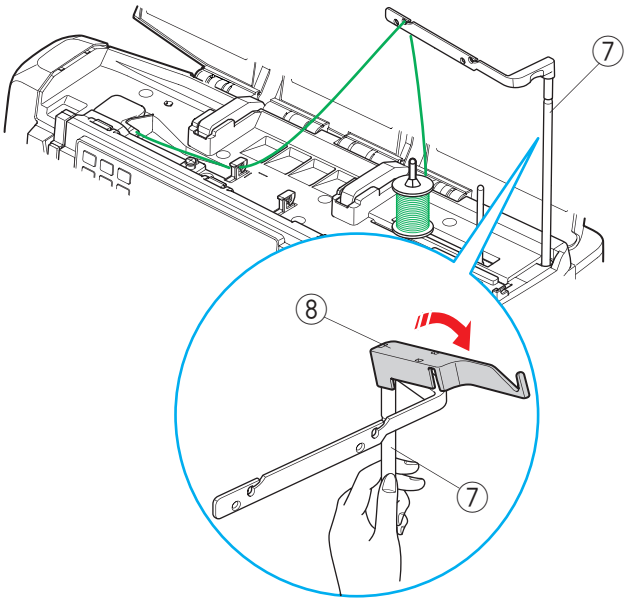
Hold the thread with both hands. Slide the thread under the plate, and slip it into the presser foot hole.

③ Presser foot hole
④ Plate

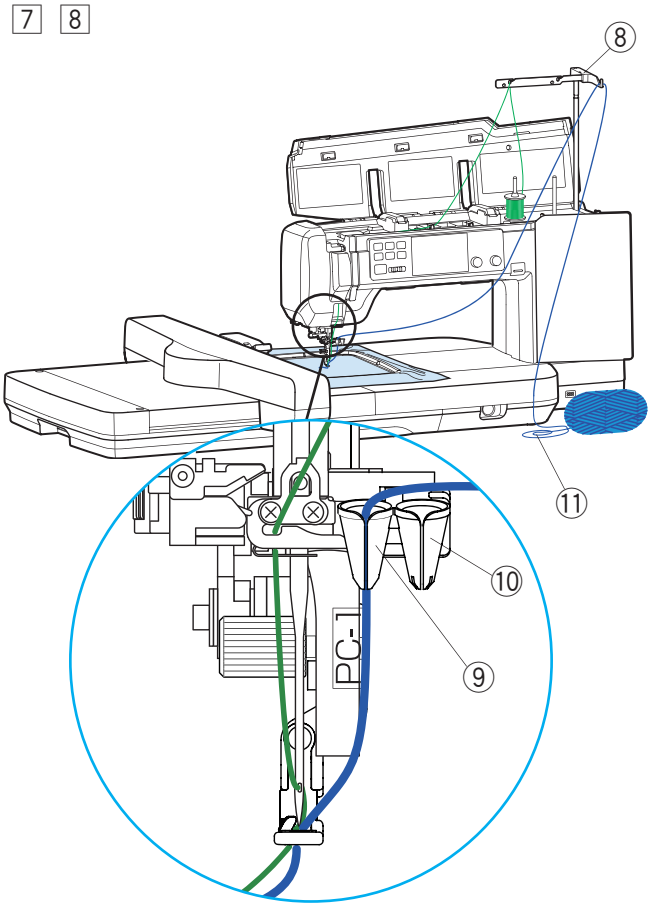
5



6



7 8



5 Retighten the needle clamp screw firmly with the screwdriver.

Slide the yarn guide onto the needle clamp screw firmly with the mouths of the yarn guides up as shown.

⑤ Needle clamp screw
⑥ Mouths of the yarn guides

⚠ CAUTION:

Be careful not to turn the needle clamp screw when sliding the yarn guide onto the needle clamp screw.

6 Attach the sub thread guide stick on the thread guide bar as shown. Support the thread guide bar with your hand when attaching.

⑦ Thread guide bar
⑧ Sub thread guide stick

7 Pass the yarn through the sub thread guide stick.

⑧ Sub thread guide stick

8 Thread the yarn by passing it through the slit on the mouth.

Thread the yarn through the left mouth for couching foot PC-1.

Thread the yarn through the right mouth for couching foot PC-2.

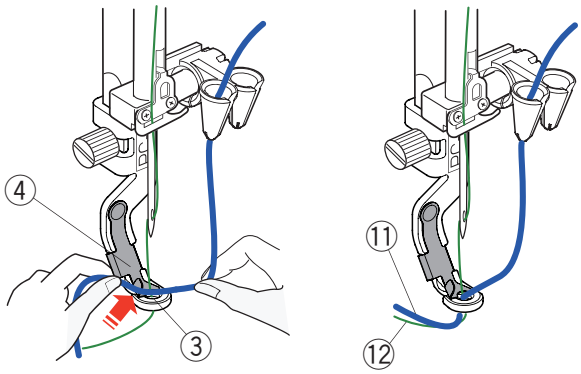
⑨ Mouth for couching foot PC-1
⑩ Mouth for couching foot PC-2

NOTE:

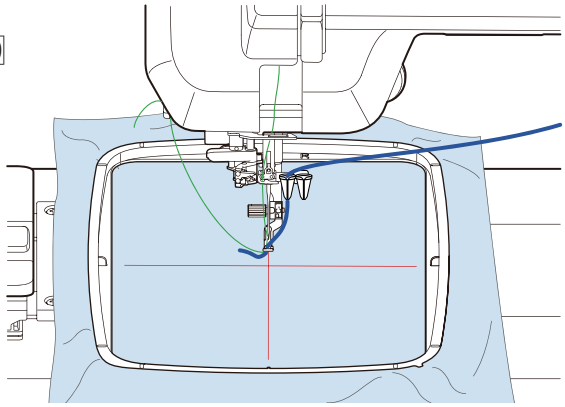
Unwind the ball of yarn and splay out the yarn on a sewing table to ensure smooth feeding without tangling.

⑪ Yarn

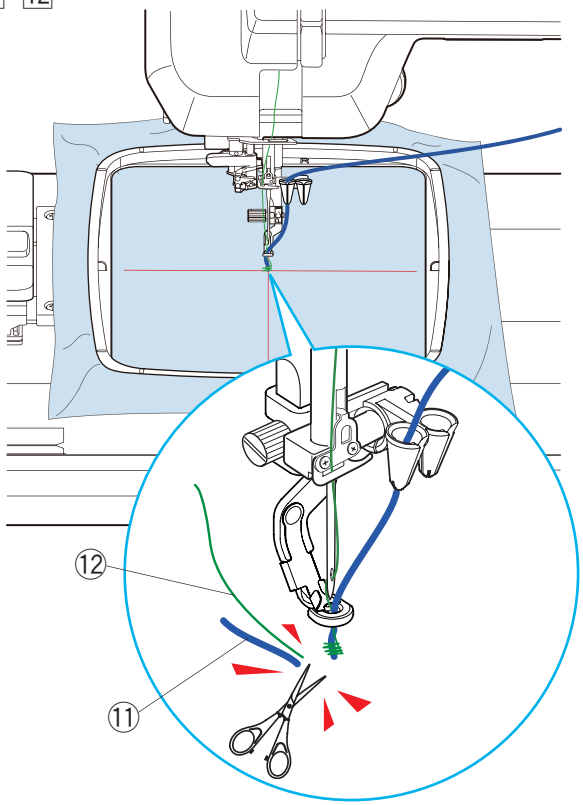
9



10



11 12



9 Hold the yarn with both hands.

Slide the yarn under the plate, and slip it into the presser foot hole.

Draw the yarn and needle thread to the rear.

③ Presser foot hole
④ Plate
⑪ Yarn
⑫ Needle thread

⚠ CAUTION:

Knots may appear at some points of a ball of yarn. Be careful not to feed the knot of yarn into the mouth of the yarn guide while sewing.

10 Set the fabric to the hoop.

Attach the hoop to the carriage.

Test sew to check sewing results before the actual sewing.

11 Press the start/stop button and sew 5 to 6 stitches.

Press the start/stop button again to stop the machine.

12 Cut the loose yarn and needle thread near to the starting point.

Press the start/stop button to start sewing again.

The machine will stop (and trim the threads if the auto thread cutting is activated) automatically when the first color section is finished.

⑪ Yarn
⑫ Needle thread

13 Change the thread to the next color and yarn.

Sew the next section.

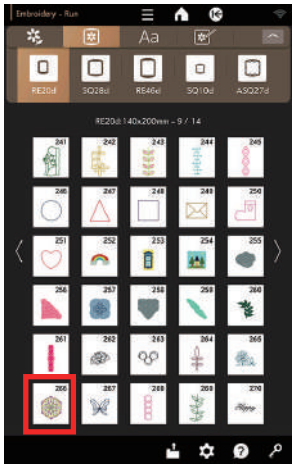
NOTE:

- Remove the couching foot when the couching design is finished. The needle may strike the couching foot when switching to ordinary sewing mode.
- Select embroidery foot P in the embroidery select window when you replace the presser foot with embroidery foot P (refer to page 54).
- When you combine couching designs, it is necessary to stop the machine and trim the excess yarn after the yarn jumps to the next couching design.

Couching design with water soluble stabilizer

You can sew on the water soluble stabilizer when selecting design pattern RE20d #266 or SQ28d #177.

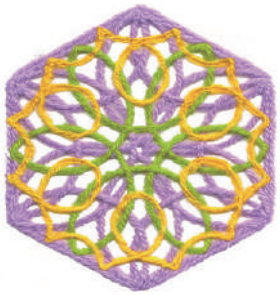
1



1 Attach the water soluble stabilizer to the hoop and set the hoop to the carriage.

Select design pattern RE20d #266.

2



2 Sew the design on the water soluble stabilizer. Refer to pages 73-75 for how to sew.

Remove the stabilizer from the hoop.

Cut off the excess of the water soluble stabilizer surrounding the design pattern with scissors. Remove the stabilizer by soaking the design in a bowl of warm water.

Be sure that the lace piece to be attached is completely dried out after removing from water.

NOTE:

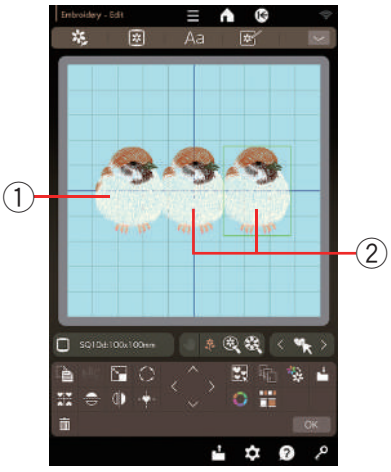
- Do not rub or scratch the Designs for water soluble stabilizer.
- Refer to page 37 for how to use a water soluble stabilizer.

Sewing Embroidery Design Patterns SQ10d#113 and SQ10d#114

The left side of design pattern SQ10d #114 is designed to fit design pattern SQ10d #113.

You can connect design patterns SQ10d #113 and SQ10d #114 as if sparrows are huddled together.

1

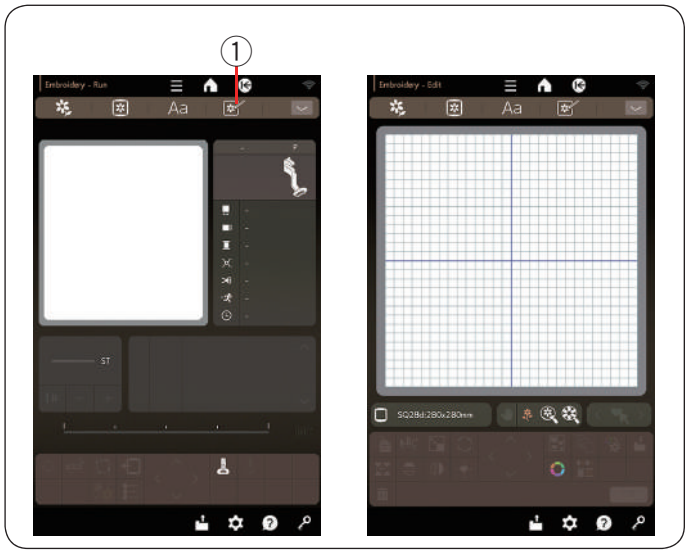


1 Place design pattern SQ10d #114 to the right side of SQ10d #113.

You can add extra sparrows (design pattern SQ10d #114) by placing design pattern SQ10d #114 to the right side of the sparrow.

* Change the sewing order to start from the rightmost sparrow for better sewing results (refer to page 84).

① Design pattern SQ10d #113
② Design pattern SQ10d #114

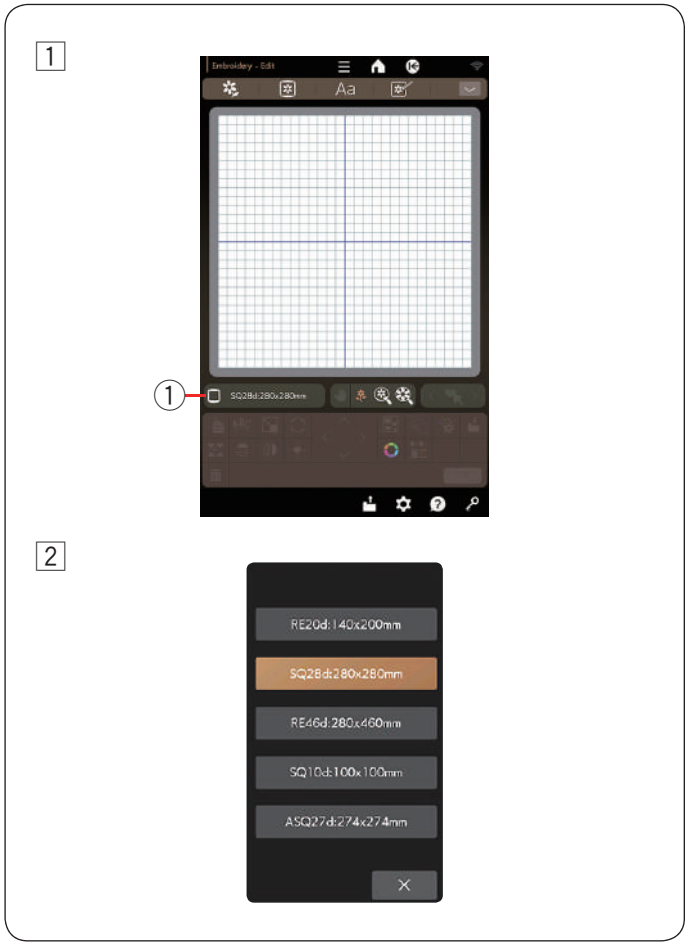


Editing Mode

In the editing mode, you can edit and combine patterns to create original embroidery designs.

Press the editing mode key and the editing window and hoop SQ28d will open.

① Editing mode key



Selecting a hoop size

You can select other hoop sizes.

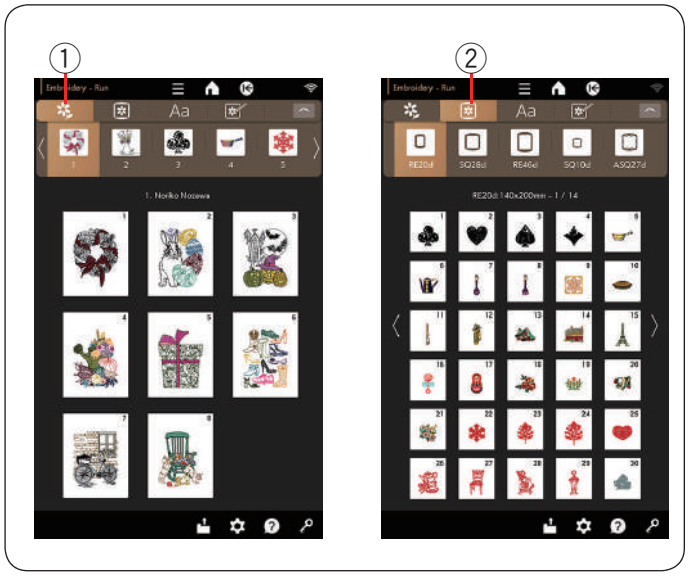
1 Press the hoop selection key and the hoop selection window will open.

① Hoop selection key

2 Select the desired hoop.

The screen will return to the editing window.

NOTE:
In the editing mode, you cannot select patterns larger than the size of the selected hoop.



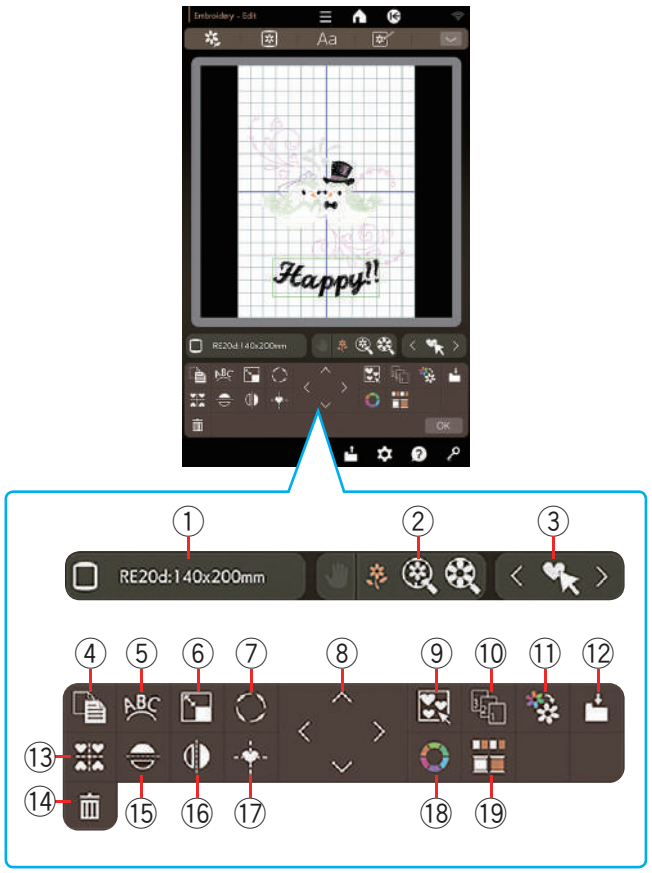
Opening the embroidery designs

In the editing window, you can open the built-in designs, monogram, and designs in a USB flash drive.

Press the design category key to browse the design list by design category, or press the design selection key to browse the designs by hoop size.

Select the desired pattern from the design list (refer to pages 41-43).

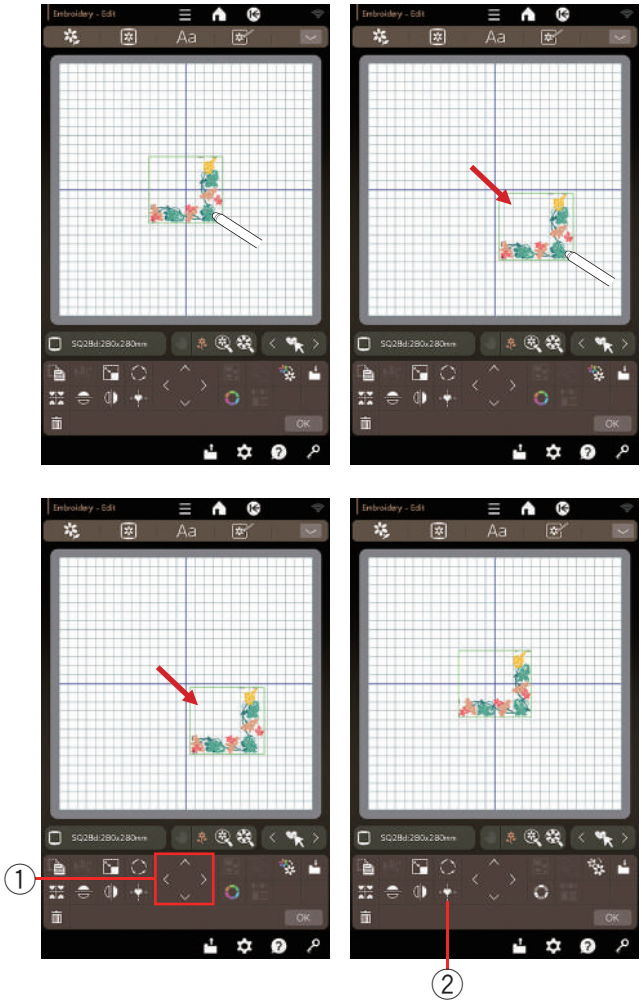
① Design category key
② Design selection key



Editing window information

The editing window contains the following keys.

① Hoop selection key
② View size key
③ Pattern selection keys
④ Duplicate key
⑤ Arc key
⑥ Resize key
⑦ Rotate key
⑧ Layout key
⑨ Group key
⑩ Sewing order key
⑪ Single color sewing key
⑫ Save file key
⑬ Corner layout key
⑭ Delete key
⑮ Horizontal mirror image key
⑯ Vertical mirror image key
⑰ Center position key
⑱ Custom color key
⑲ Color group key



Selecting a pattern

To select the pattern to edit, press on the pattern image in the editing window.

A green frame appears around the selected pattern.

Moving a pattern

To move the embroidery pattern in the editing window, press and drag the pattern to a desired location with the touch panel stylus or your fingertip.

NOTE:
Do not drag the pattern on the screen with a sharp pointed object.

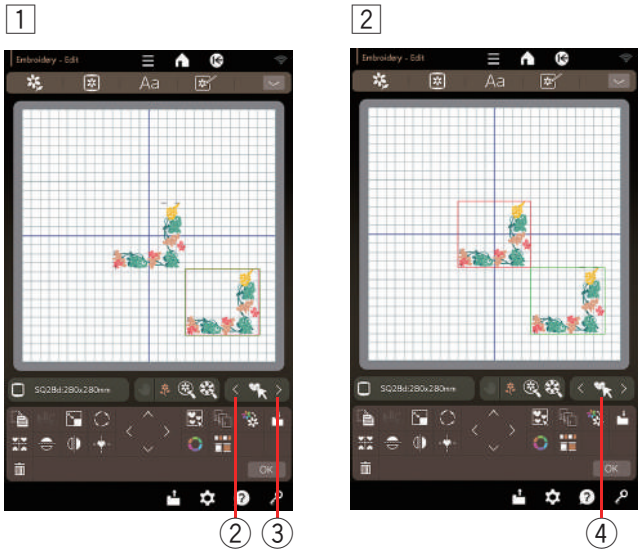
You can also move the selected pattern by pressing the layout keys.

Press the layout keys to move the pattern to the desired position in the editing window.

Press the center position key to move the pattern to the center of the editing window.

① Layout keys
② Center position key

The carriage will not move when you press the layout keys since the pattern position will move relative to the hoop, not to the machine.



Selecting a pattern with pattern selection keys

When multiple patterns are closely positioned, it can be hard to select the desired pattern.

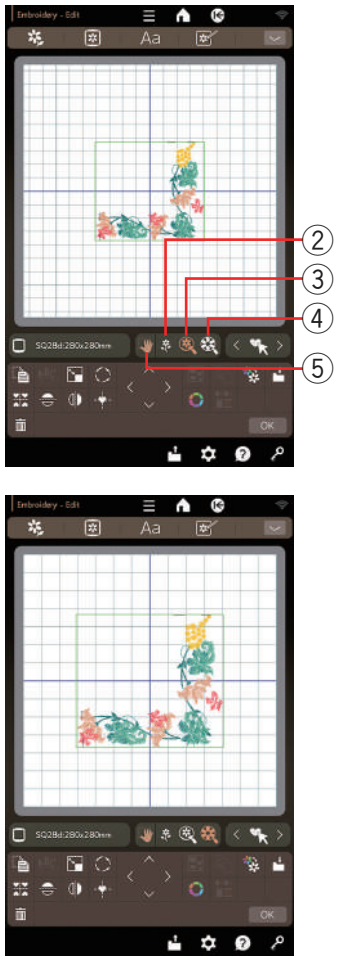
Pattern selection keys appear when multiple patterns are shown in the editing window for easier pattern selection.

① Pattern selection keys

1 Press the ② key or ③ key and a red frame appears.

2 Press the ② or ③ key until the red frame surrounds the pattern you want to select.

Press the key ④ to select the desired pattern.



Zooming in the editing window

Select the view size from normal, large or largest by pressing one of the view size keys.

① View size keys
② Normal view size key
③ Large view size key
④ Largest view size key

The scroll function is activated automatically when zoomed in.

To scroll the magnified window, drag the window in the desired direction.

Press the scroll key to cancel the scroll command.

⑤ Scroll key

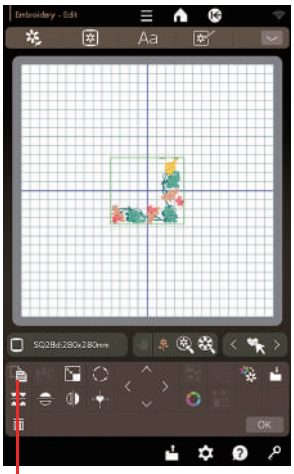
Duplicating a pattern

1 Press the duplicate key to make a copy of the selected pattern.

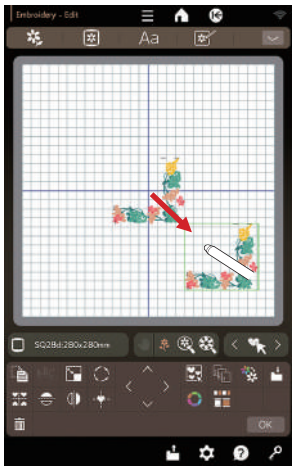
① Duplicate key

2 The duplicated pattern will be superimposed over the original pattern. Move the duplicate to show the original pattern.

1



2



Monogramming in an arc

In the editing mode, you can make a monogram in an upper or lower arc.

1 Enter the characters and press the OK key.

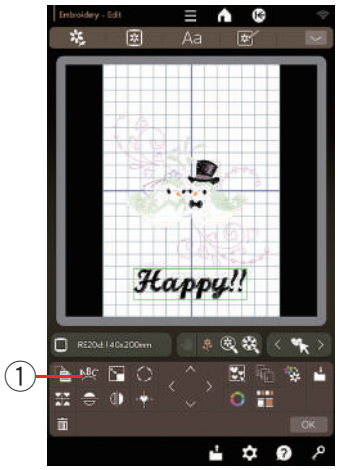
1

2 The entered characters are displayed in the editing window.

Press the arc key and the arc layout window will open.

① Arc key

2



3

3 Press the upper arc key to make an upper arc.

Press the lower arc key to make a lower arc.

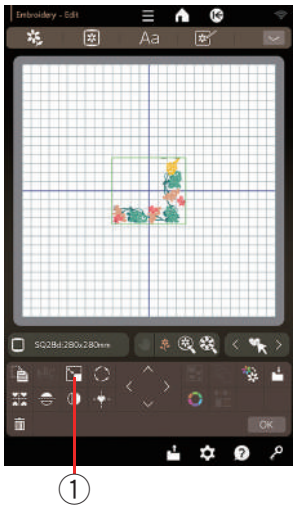
Press the enlarge key to make the arc longer.

Press the shorten key to make the arc shorter.

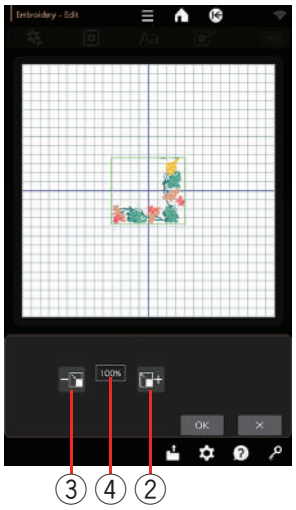
Press the OK key to confirm.

② Upper arc key
③ Lower arc key
④ Enlarge key
⑤ Shorten key

1



2



Resizing a pattern

1 Press the resize key to open the resize option window.

① Resize key

2 You can change the embroidery pattern size from 80% to 120% of the original size.

Press the “+” key to enlarge the pattern size.

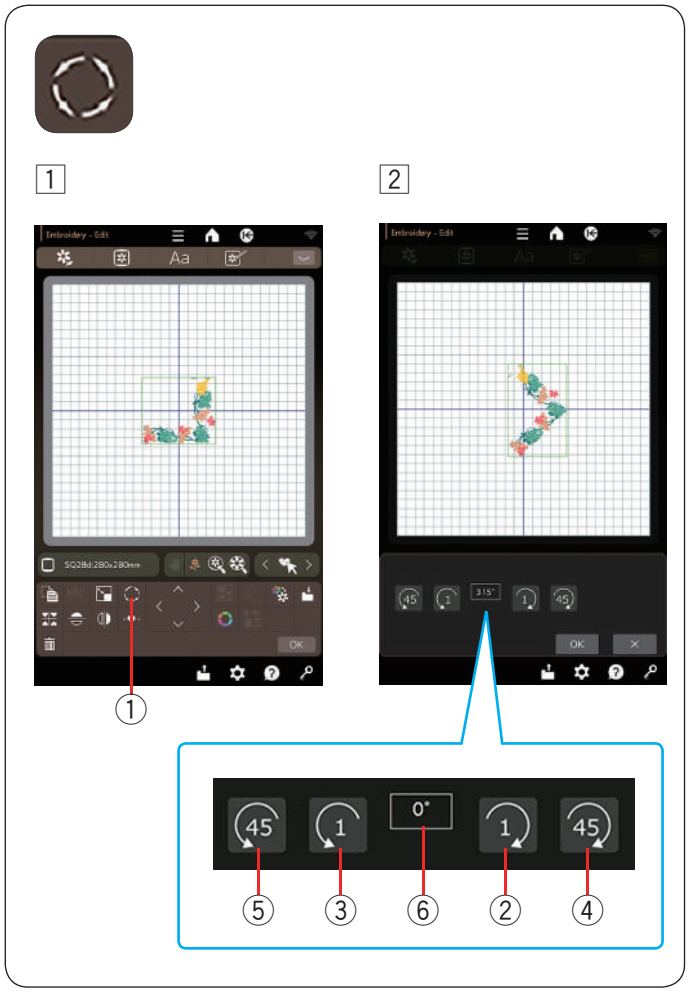
Press the “–” key to reduce the pattern size.

The size will change 1% each time you press the “+” or “–” key. To change the size quickly, press and hold the “+” or “–” key.

The scale of a resized pattern is displayed as a percentage.

Press the OK key to confirm the new size.

② + key
③ – key
④ Pattern size



Rotating a pattern

1 Press the rotate key to open the rotation option window.

① Rotate key

2 Press the key ② to rotate the selected pattern 1 degree clockwise.

Press the key ③ to rotate the selected pattern 1 degree counterclockwise.

Press the key ④ to rotate the selected pattern 45 degrees clockwise.

Press the key ⑤ to rotate the selected pattern 45 degrees counterclockwise.

The angle of a rotated pattern is displayed in the window ⑥.

Press the OK key to confirm.

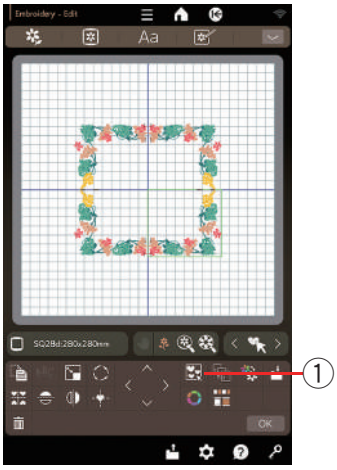
Grouping patterns

1 You can group patterns together.

Press the group key and the grouping option window will open.

① Group key

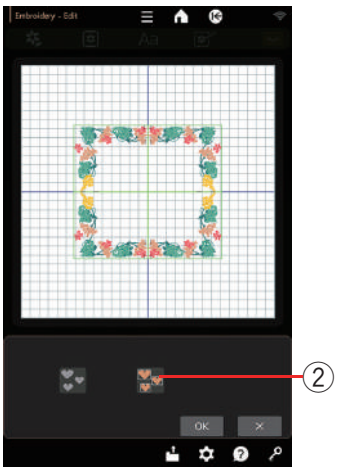
1



2 Press the group all key and press the OK key to group all the patterns in the editing window.

② Group all key

2



3 If you wish to group the selected patterns only, press the group select key.

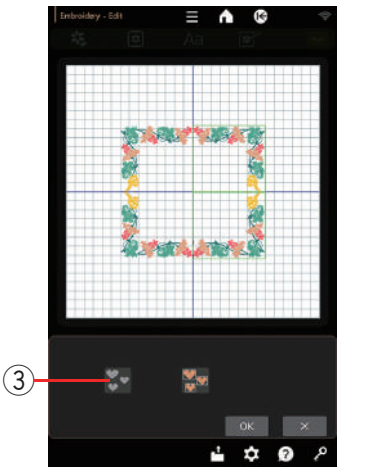
Select the desired patterns by pressing on the pattern images.

Press the selected pattern again to unselect the pattern.

Press the OK key to group the selected patterns.

③ Group select key

3

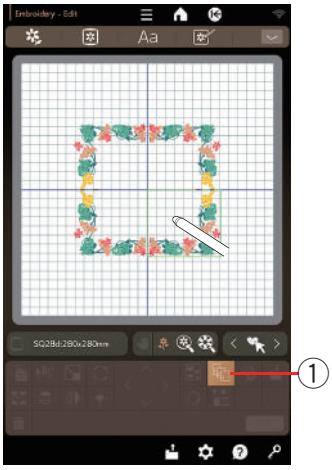


4 The grouped patterns can be moved and duplicated as a unit.

When grouping the selected patterns only, the rest of the patterns are grayed out and cannot be selected.

To ungroup the patterns, press the group key again.

4



Sewing order

You can change the sewing order of a pattern combination.

Press the sewing order key and press on the images of the patterns one by one.

The patterns will be sewn in the order you press on the images.

Press the sewing order key again to return to the previous screen.

① Sewing order key

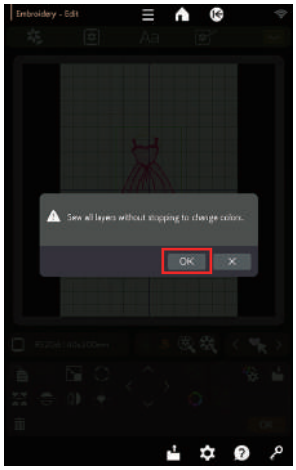
Single color sewing

If you want to sew a pattern or a pattern combination in one color only, press the single color sewing key.

The machine will not stop until the entire design is sewn.

1

2



1 Press the single color sewing key.

① Single color sewing key

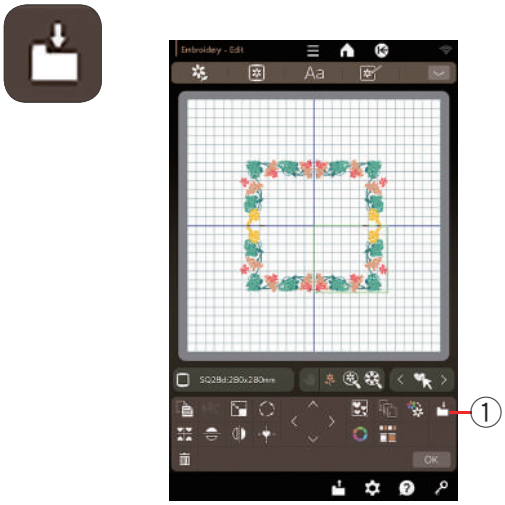
2 Press the OK key.

3

3 The design(s) will be displayed in gray.

Press the start/stop button to start single color sewing.

The design will be sewn without stopping for any color change.



Save file key

You can save original embroidery designs as files in the built-in memory and/or USB flash drive.

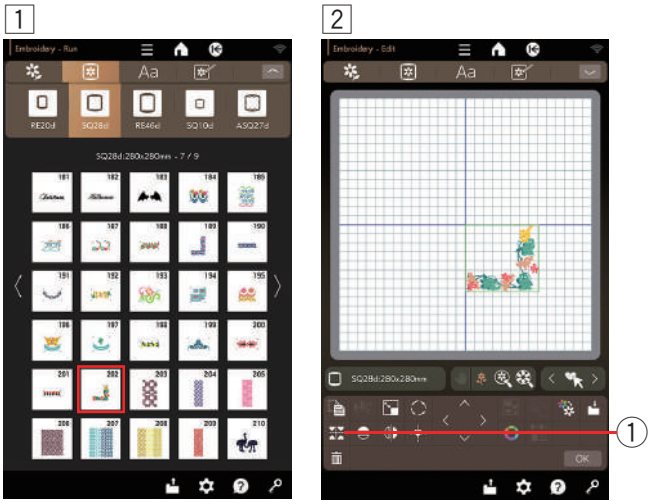
Press the save file key to save the edited embroidery design (refer to pages 110-111).

① Save file key

Creating a square frame

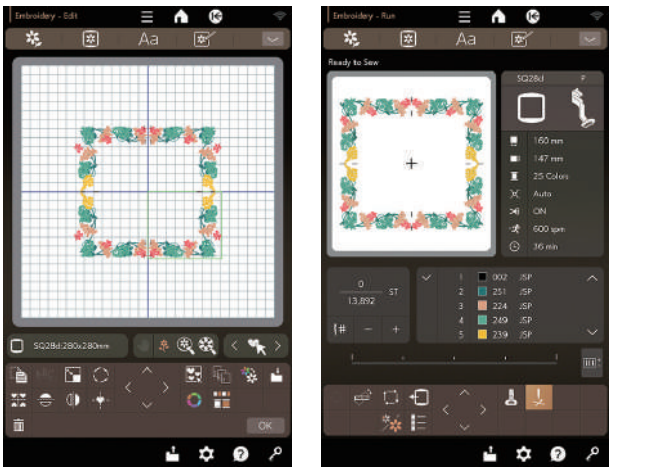
1 Select border design pattern SQ28d #202.
Move the design down and to the right.

2 Press the corner layout key.
① Corner layout key

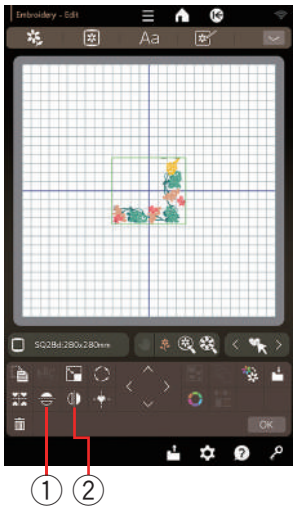


3 The pattern will automatically be copied and placed symmetrically into 4 corners.
Press the OK key.

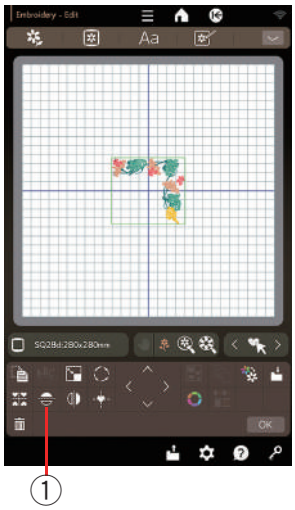
4 The Ready to Sew window will open.



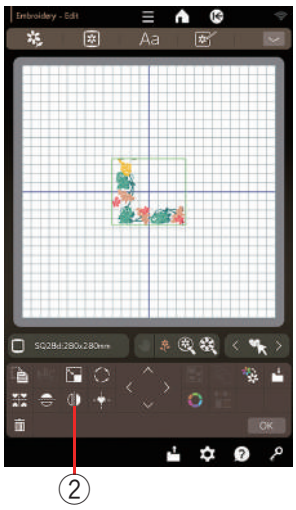
1



2



3



Flipping a pattern

1 Press the vertical or horizontal mirror image key.

① Horizontal mirror image key
② Vertical mirror image key

2 Press the key to create the horizontal mirror image of a selected pattern.

① Horizontal mirror image key

3 Press the key to create the vertical mirror image of a selected pattern.

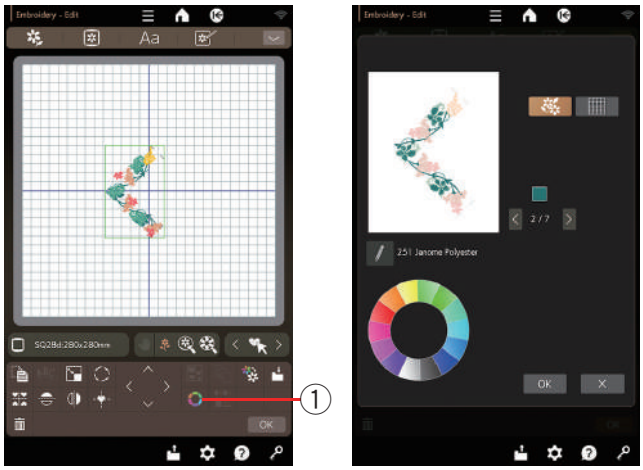
② Vertical mirror image key

Customizing the display colors

You can simulate the colors of the actual fabric and threads on the screen by customizing the colors of the design image and editing window.

1 Press the custom color key and the custom color window will open.

① Custom color key



2 If you wish to change the color of the design pattern, press the design color key.

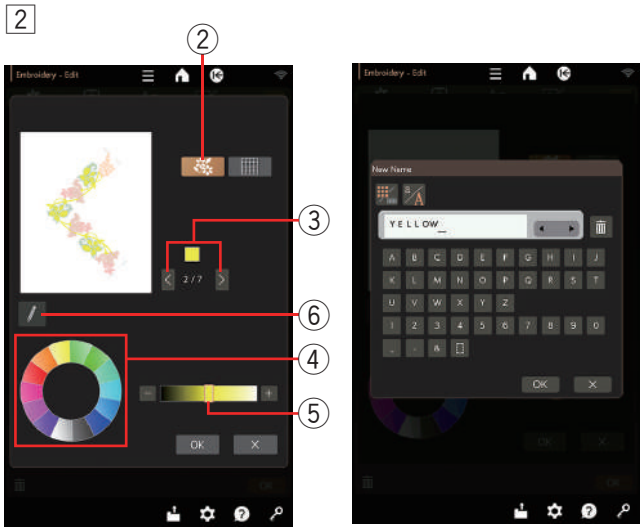
Press the scroll keys until the desired section is displayed in the preview window.

② Design color key
③ Scroll keys

To select the hue, press one of the 14 color tiles.

To change the shade of the selected color, press “+” or “–” key, or drag the slider to the left or right.

④ Color tiles
⑤ Slider



You can assign a name to the customized color for the color section by pressing the name key.

The assigned name will be displayed instead of the name and code of the thread color in the embroidery window.

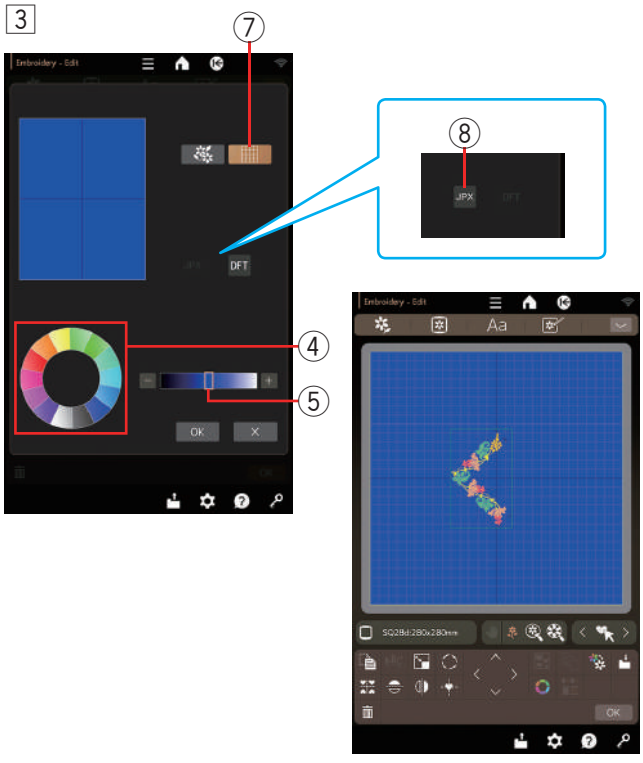
⑥ Name key

3 To change the background color, press the background color key and select the desired color.

To select the hue, press one of the 14 color tiles.

To change the shade of the selected color, press “+” or “–” key, or drag the slider to the left or right.

⑦ Background color key



NOTE:
Press the background image key to display the image on the background of the editing window if you are opening a JPX format file that contains a background image. By doing so, you can visually confirm the layout of a embroidery pattern and the background images.

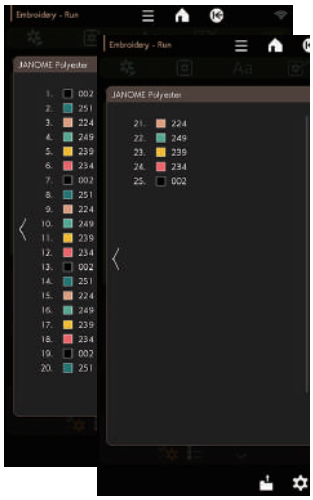
* When you edit an embroidery design with Artistic Digitizer Jr., the file will be saved as *.JPX format automatically if you set the sewing machine as “CM17”.
* .JPX file format can be saved with a background image.

⑧ Background image key

Color grouping

When combining duplicated patterns, you can reduce the number of color sections with color grouping.

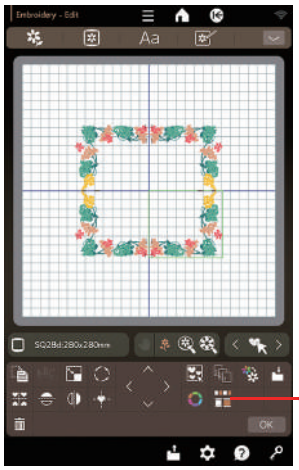
1 For example, the combined design pattern created on page 85 has 25 color sections.



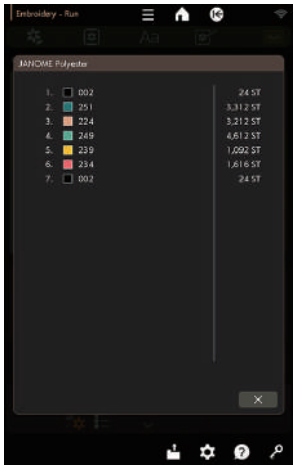
2 Press the color group key and the color grouping window will open.

Press the OK key to unite all color sections of the same color and the Ready to Sew window opens.

① Color group key



3 The number of color sections is reduced to 7.



NOTE:
Color grouping will be cancelled when returning to the editing window.

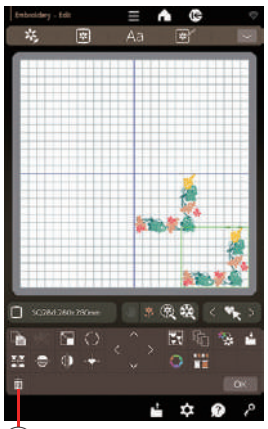
Deleting a pattern

1 Press on the pattern to delete.

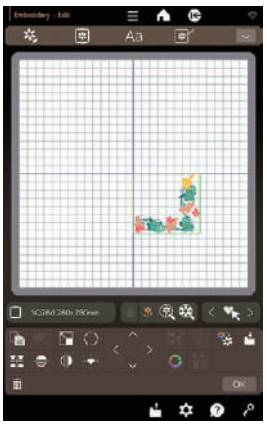
2 Press the delete key to delete the selected pattern.

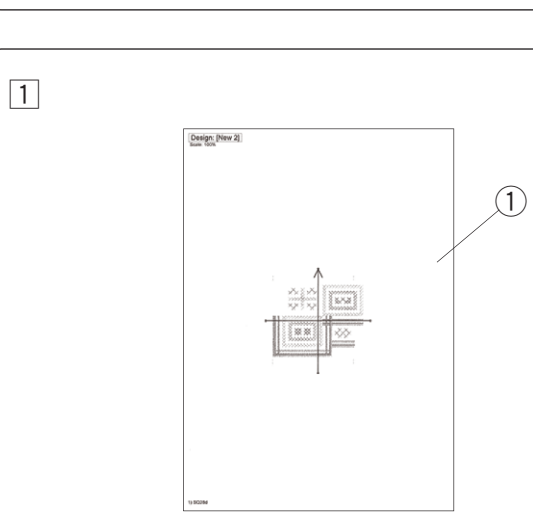
① Delete key

1



2





Border Designs

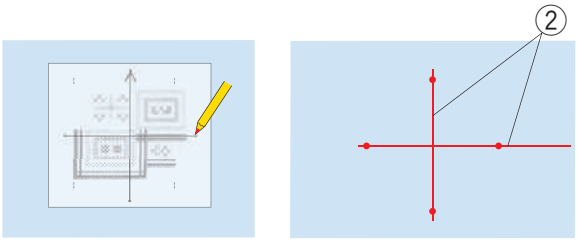
Border design patterns can be accurately connected to each other with the built-in marking points.

Example: Connecting border design patterns RE20d #281 and SQ28d #194.

1 Print designs (template sheets) on semi-opaque paper for border design patterns RE20d #281 and SQ28d #194 by using Artistic Digitizer Jr. (refer to pages 92-93).

① Design (template sheet)

2

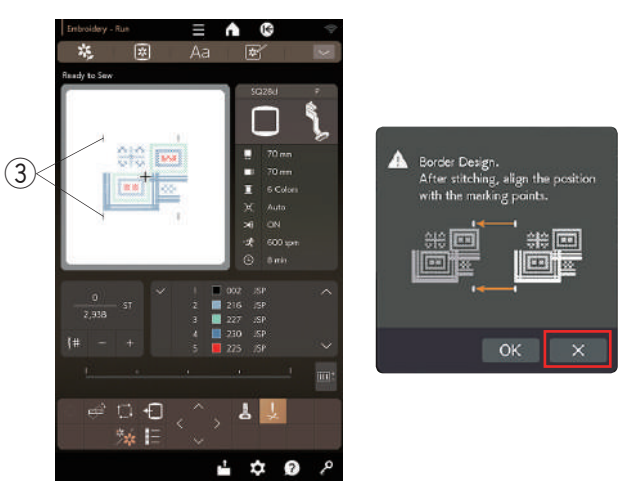


2 Place the design (template sheet) on the fabric and mark the end points of the centerlines with tailor's chalk. Draw centerlines on the fabric.

The horizontal line should be long enough to connect the next patterns.

② Centerlines

3



3 Set the fabric in the hoop and attach the hoop to the carriage.

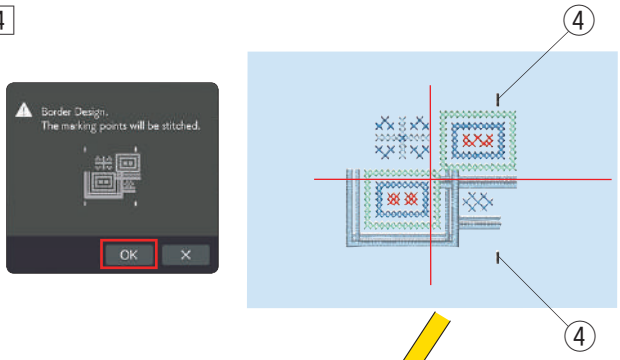
Select border design pattern SQ28d #194 and adjust the hoop position with the jog keys.

Press the start/stop button and a message will appear asking you to sew the first marking points.

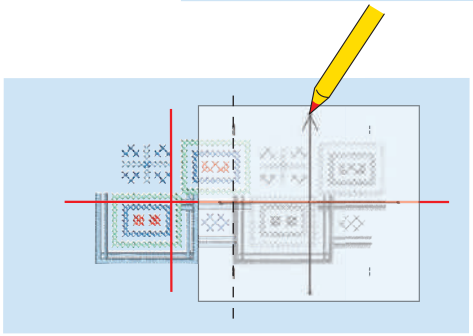
Press the X key to skip sewing them and press the start/stop button to start sewing.

③ First marking points

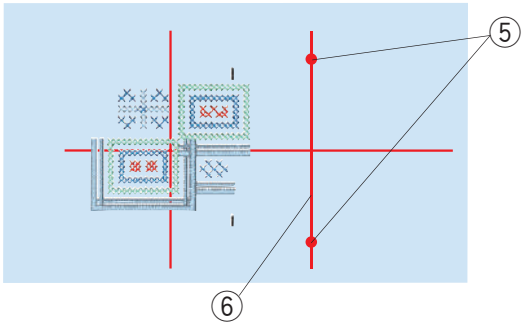
4



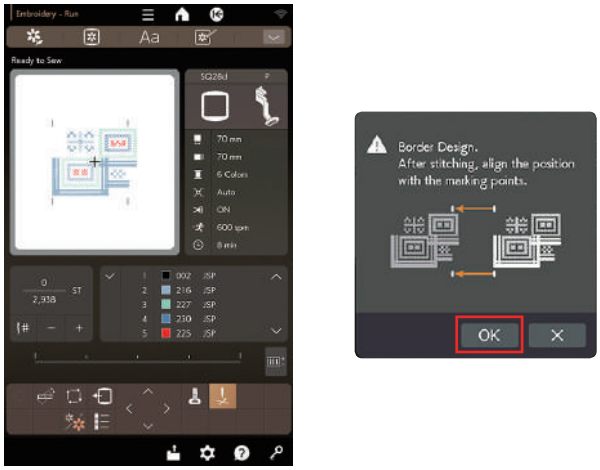
5



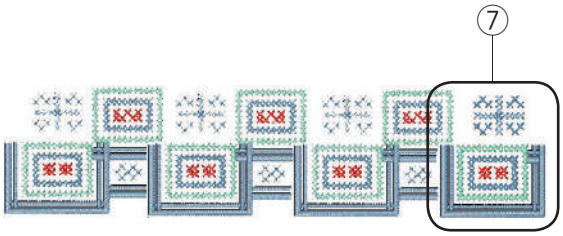
6



7



8



4 The machine will stop automatically when sewing the design pattern is finished.

Press the start/stop button and the message for the last 2 marking points will appear.

Press the OK key and press the start/stop button to sew the last 2 marking points.

④ Last marking points

5 Remove the hoop from the carriage and remove the fabric from the hoop.
Place the design (template sheet) on the fabric.
Align the marking points of the sewn pattern and design (template sheet).

NOTE:
If semi-opaque paper is not available, print the design (template sheet) on plain paper and cut the left side at the marking points (along the broken line in the illustration).

6 Mark the end points of the vertical centerline for the second pattern.

⑤ Marking points
⑥ Vertical centerline

7 Set the fabric in the hoop and adjust the fabric position to match the centerlines for the second pattern and template.

Attach the hoop to the carriage and press the start/stop button.

Press the OK key when the message appears.

The hoop will move to the first marking point for the second pattern.

Lower the needle by turning the handwheel to check if the needle is right above the last marking point of the first pattern.

Adjust the hoop position with the jog keys if necessary.

Press the start/stop button to sew the second pattern.

NOTE:
You can use positioning marker embroidery foot PM to confirm the needle drop position without piercing the fabric (refer to pages 18-19).

8 Repeat steps 5 to 7 to sew the desired number of patterns.

You may sew border design pattern RE20d #281 at the end of the pattern series.

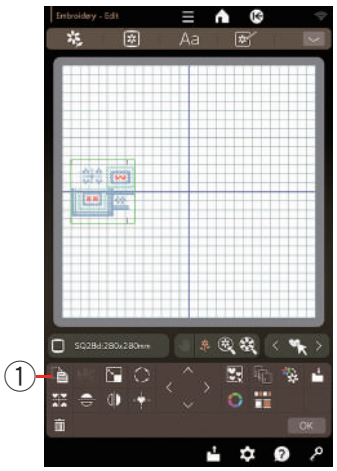
⑦ Design pattern RE20d #281

Connecting the patterns in the editing window

You can connect border design patterns in the editing window.

Open the editing window and select hoop SQ28d. Select border design pattern SQ28d #194.

1

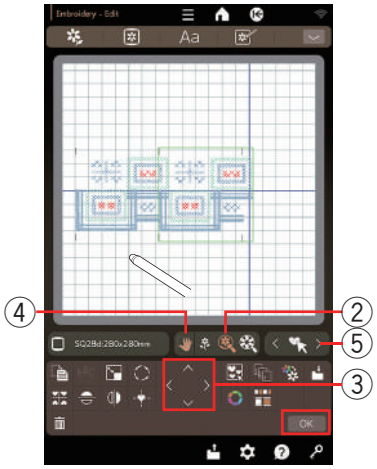


1 Move the pattern to the left end. Press the duplicate key to duplicate the pattern.

Move the duplicate to the right until the marking points of both patterns overlap.

① Duplicate key

2 3



2 Press the view size key to enlarge the pattern image.

Drag the editing screen to show the marking points.

② View size key

3 Press the jog keys and adjust the position of the second pattern to align the marking points exactly.

Press the OK key.

③ Jog keys

NOTE:
To select the patterns when the scroll key is activated, press the scroll key again to deactivate the scroll key or use the pattern selection key.

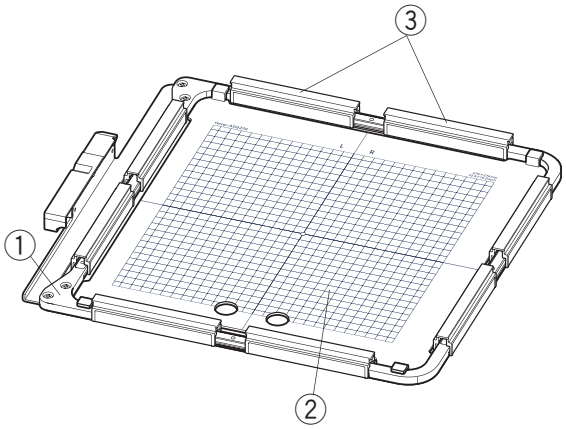
④ Scroll key
⑤ Pattern selection key

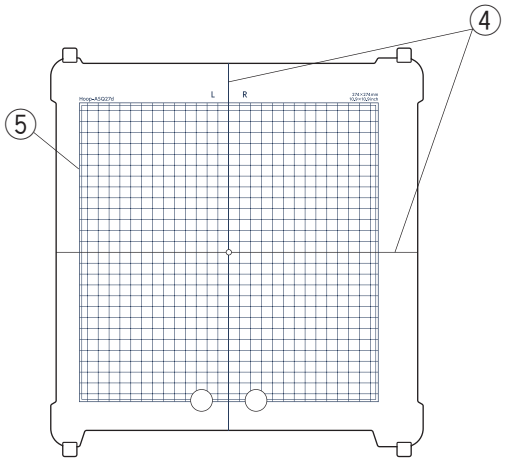
4

4 Ready to Sew window will open.

Press the start/stop button to sew the pattern combination.

NOTE:
The message for the marking points will not appear, but marking points will be sewn.





Quilting with Embroidery Hoop ASQ27d

Embroidery hoop ASQ27d

Embroidery hoop ASQ27d is used for embroidering quilt patterns on quilt layers.

There is no inner hoop but the quilt layers are held in the hoop by means of the magnetic clamps.

① Embroidery hoop ASQ27d
② ASQ27d template
③ Magnetic clamps

⚠ CAUTION:

The magnetic clamp can damage items such as credit cards, floppy disks etc.
Do not use the magnetic clamp near persons with a pacemaker or other medical implants which may be affected by the strong magnetic field.

ASQ27d template

④ Centerlines
⑤ Maximum area of embroidery

Calibrate the center position before use (refer to page 103).

Printing the design (template sheet)

Save the built-in embroidery pattern to a USB flash drive, and print the design (template sheet) using the printing function in Artistic Digitizer Jr.

Printing embroidery pattern ASQ27d #48

1 Press the editing mode key to open the editing window. Press the hoop selection key to select ASQ27d.

① Editing mode key
② Hoop selection key

2 Press the design selection key and select embroidery hoop ASQ27d. Select embroidery pattern #48.

③ Design selection key

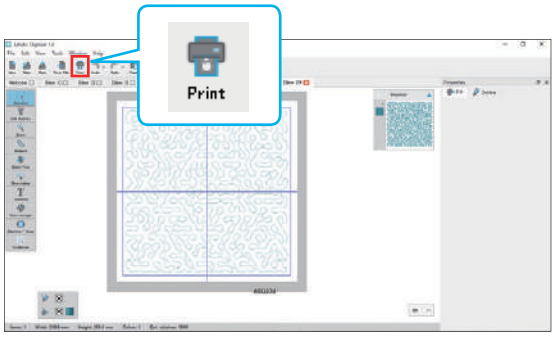
3 Insert the USB flash drive to the USB port located on the right side of the sewing machine (refer to pages 110-111).

④ Save file key

NOTE:

- USB flash drive capacity 64 GB and under is recommended for this sewing machine.
- This model supports FAT16 and FAT32 formats only. If the USB flash drive is not read, check its format (refer to pages 124-125).

4



4 Launch “Artistic Digitizer Jr.” on your PC / Mac and set the sewing machine and embroidery hoop.

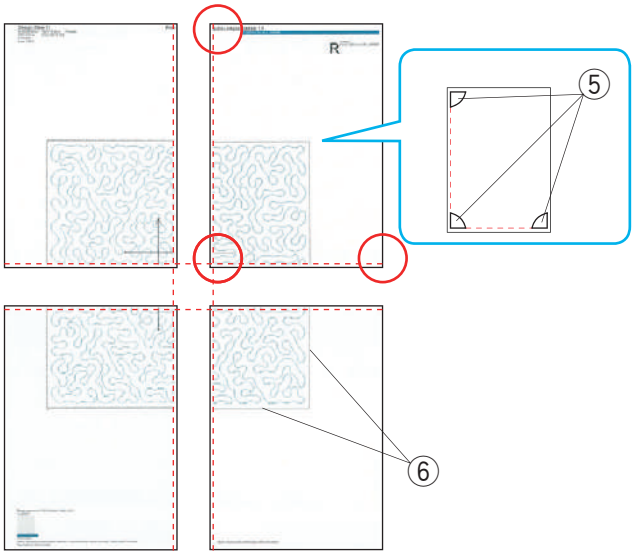
Select the sewing machine to “CM17”.

Select the embroidery hoop size to “ASQ27d”.

Open the ASQ27d #48 built-in stitch pattern saved in step 3 with Artistic Digitizer Jr.

NOTE:
For setting the sewing machine and embroidery hoop, refer to the “QUICK START GUIDE” that comes with Artistic Digitizer Jr., or Help of the Artistic Digitizer Jr. software.

5 6



5 Click the “Print” icon on the standard bar to print the design (template sheet).

The design (template sheet) is printed on 4 pages.

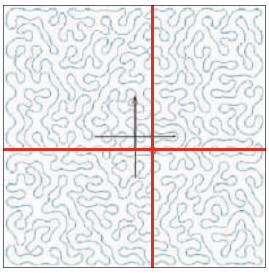
* Refer to “Print designs” on Help for more details.

6 Align the trim marks on the corners of each design (template sheet), and cut out the margin inside of the design patterns.

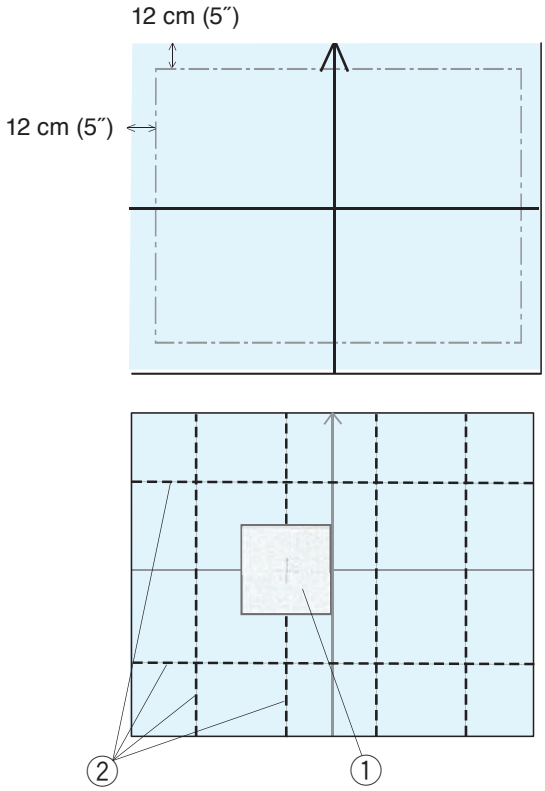
Trim the design (template sheet) along the cut lines.

⑤ Trim mark
⑥ Cut line

7



7 Cut each section out and glue them together as shown.



Marking the centerlines

Prepare a quilt top, base fabric and batting.

Lightweight battings for machine quilting are recommended.

Add at least 12 cm (5″) outer margin to the embroidery area when deciding the overall quilt size.

Draw centerlines and arrowhead to the center of the fabric with a washable marker.

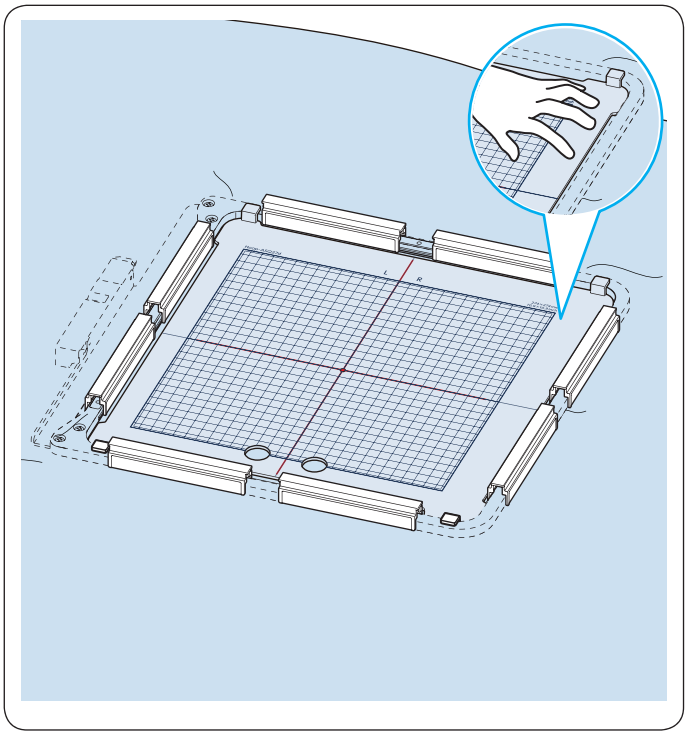
Pin or baste all layers together.

Place the design (template sheet) on the quilt to check the general arrangement.

Place the design (template sheet) as shown and draw the lines on the extension of the centerlines of the design (template sheet).

Mark the centerlines for each section on the quilt top.

① Design (template sheet)
② Centerlines



Setting quilt layers in hoop ASQ27d

Position the quilt layers on hoop ASQ27d.

Place the ASQ27d template on the quilt and adjust the position of the quilt aligning the centerlines of the quilt and ASQ27d template.

Set the quilt layers in the hoop and press down the ASQ27d template.

While pressing the ASQ27d template close to the outer frame, depress the magnetic clamps onto the hoop to fasten the quilt layers to the hoop.

Remove the ASQ27d template.

Remove pins and basting stitches from the hooped area.

Sewing stippling design patterns

1 Press the design selection key to select hoop ASQ 27d. The design patterns from #47 to #50 are stippling patterns.

Select the desired pattern. (An example is pattern #48)

① Design selection key

2 Turn the “One Stitch Stop” function ON in the Embroidery setting mode (refer to page 101).

Attach hoop ASQ27d to the machine and sew the first section.

NOTE:

- Use the same thread for the bobbin as the needle thread.
- Adjust the foot height ② if necessary.
- Be sure that the “Bobbin thread remaining sensor” function is turned ON in the Embroidery setting mode (refer to page 101).
- Use the purple tip needle.

3 Then rehoop the quilt layers and sew the next section.

Repeat these steps. Sew the center section first, then neighboring sections one by one outward.

NOTE:

- Provide a wide space around the machine.
- Prevent the free end of the quilt layers from hanging down from the sewing surface.
- Make sure to raise the needle by pressing the needle up/down button before moving the carriage to the home position.
- You can change the size of stippling designs with Artistic Digitizer Jr.
- Artistic Digitizer Jr. also includes stippling patterns.

INFORMATION AND CUSTOMIZING

Function Menu

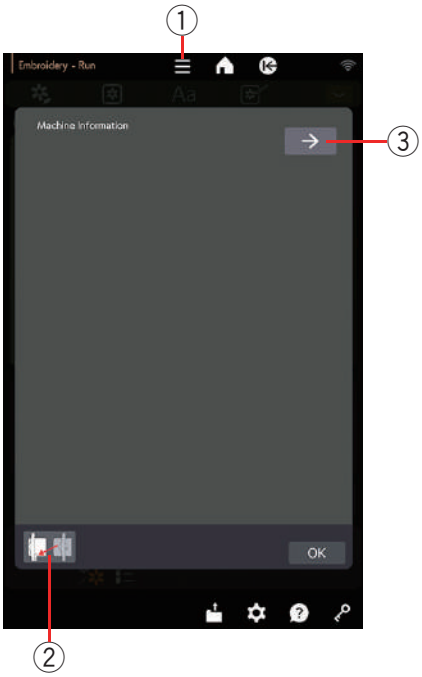
Press the Function menu key to open the function menu.

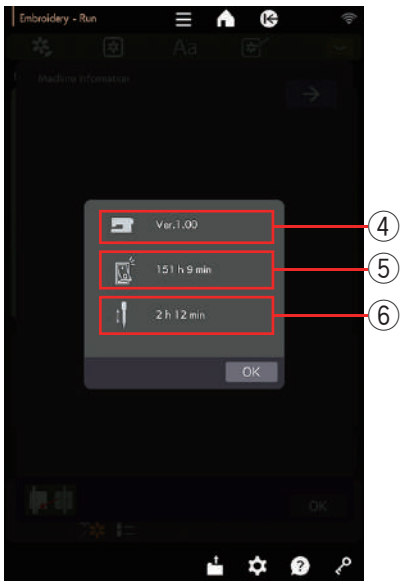
① Function menu key

You can refer to the sewing machine information, or move the carriage to the home position from the function menu.

Press the home position key and the confirmation window will open. Press the OK key to move the carriage back to the home position.

② Home position key



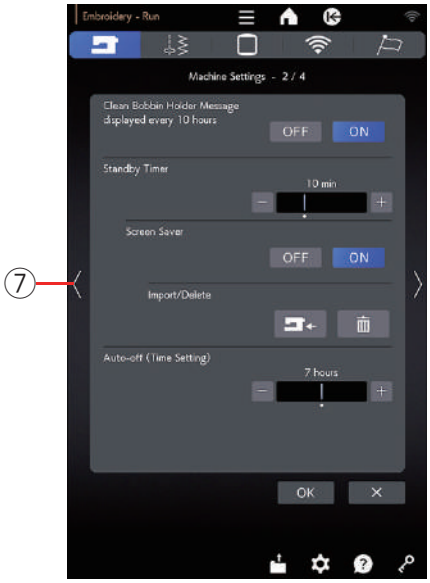


Machine information

You can see the software version of the machine, total power-on time of the machine and total operating time of the machine.

Press the machine information key to open the machine information window.

③ Machine information key
④ Software version
⑤ Total power-on time
⑥ Total operating time



Customizing Machine Settings

Press the set mode key to enter the machine settings mode.
You can select various options and customize the machine settings to suit your personal preference.

① Set mode key

Press one of the 5 keys to select the mode to customize.

② Machine setting mode key

Press the machine setting mode key to enter the common setting mode.
In this mode, you can customize the general machine settings and options (refer to pages 98-100).

③ Sewing setting mode key

Press the sewing setting mode key to enter the ordinary sewing setting mode.
In this mode, you can customize the machine settings and options for ordinary sewing (refer to the Instruction book for Ordinary Sewing/Sewing Application).

④ Embroidery setting mode key

In this mode, you can customize the machine settings and options for embroidery (refer to pages 101-104).

⑤ Wireless LAN setting mode key

In this mode, you can set up the Wireless LAN connection for both ordinary sewing and embroidery (refer to pages 105-108).

⑥ Language setting mode key

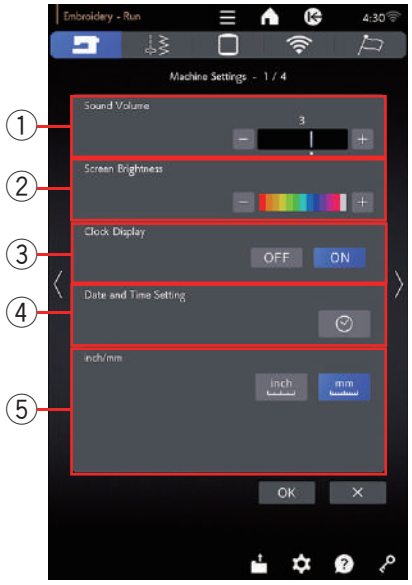
Press the language setting mode key to enter the language setting mode. In this mode, you can select the desired language for screen messages (refer to page 109).

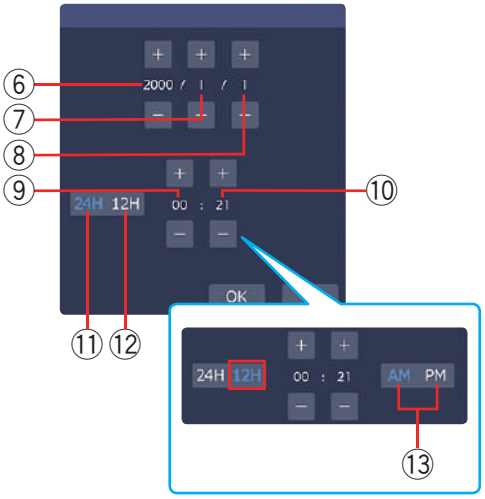
To browse pages in each mode, press the next page key or previous page key.

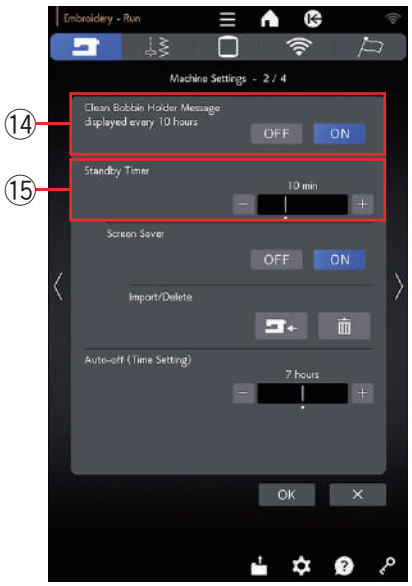
⑦ Previous page key
⑧ Next page key

Registering the custom settings

After customizing the settings, press the OK key to enable the new settings.
To cancel the changes to the settings, press the X key and the setting mode window will close.







Machine Setting Mode

① Sound Volume

The signal sound can be adjusted by pressing the “+” or “–” key.
Set the value to “OFF” by pressing the “–” key several times to mute the signal sounds.

② Screen Brightness

You can adjust the brightness of the visual touch screen by pressing the “+” or “–” key.

③ Clock Display

You can turn off the clock display by pressing the OFF key.

④ Date and Time Setting

Press the clock key to set date and time.
Set the Year, Month, Day, Hour and Minute by pressing the “+” or “–” key. You can select the display for the time as a 24-hour clock or 12-hour clock. If you select the display for the time as the 12-hour clock, you can also select AM or PM.

⑥ Year
⑦ Month
⑧ Day
⑨ Hour
⑩ Minute
⑪ 24-hour clock
⑫ 12-hour clock
⑬ AM / PM

⑤ Inch/mm Option

You can set your machine’s dimensional unit to either inches or millimeters by pressing the “inch” or “mm” icon key.
The default unit is millimeters.
Press the next page key to show the next menu.

⑭ Clean Bobbin Holder Message displayed every 10 hours

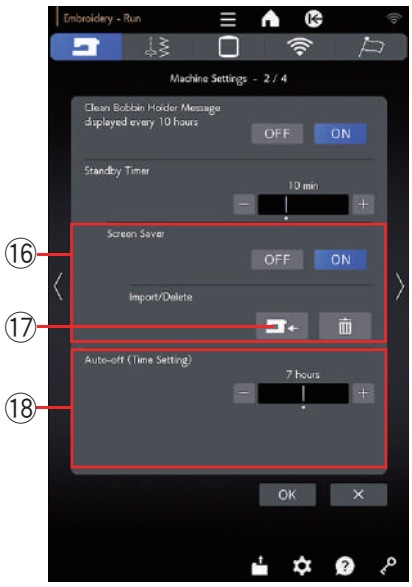
The caution message for cleaning the bobbin holder and the hook race will be displayed when a certain time (10 hours) passes if this option is turned on.
The caution message will not be displayed when this option is turned off.

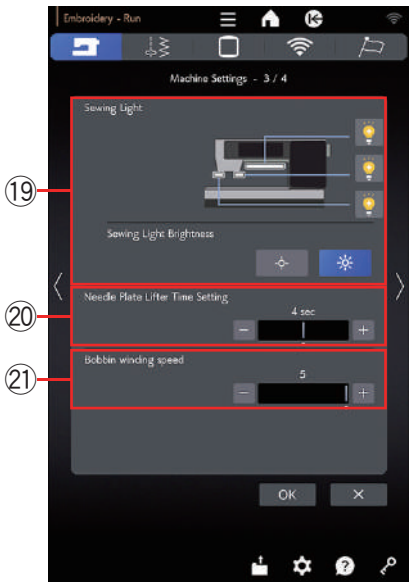
⑮ Standby Timer

The sewing lights will turn off and the machine will enter standby mode if you do not use the machine within the time period set by this timer. Doing any operation will turn the lights and screen on again.

The standby timer can be set from 1 to 30 minutes.

If you wish to turn off the timer, press and hold the “+” key until “OFF” shows in the timer window.





⑯ Screen Saver

Press the ON key to turn on the screen saver, and the visual touch screen will show the screen saver when the machine is in standby status.

Press the import key to import a screen saver from a USB flash drive.

You can create an original screen saver with “Screen Saver Tool”. (To download the Screen Saver Tool, refer to the quick start guide that comes with this sewing machine.)

The imported screen saver data will be deleted if the delete key is pressed.

⑰ Import key

⑱ Auto-off (Time Setting)

The machine will be automatically turned off if you do not use it within the time period set by this timer.
The “Auto-off (Time Setting)” can be set from 1 to 12 hours.
If you wish to turn off the timer, press and hold the “+” key until “OFF” shows in the timer window.
To turn on the machine again, turn the power switch on.

Press the next page key to show the next menu.

⑲ Sewing Light

The sewing lights can be turned on or off individually. Press the corresponding light keys to turn the sewing lights on or off.
You can set the brightness of sewing lights to either bright light or low light.

⑳ Needle Plate Lifter Time Setting

You can set the needle plate lifting time between 2-6 seconds.

㉑ Bobbin winding speed

If you wish to wind the bobbin thread more quickly or slowly, you can adjust the maximum bobbin winding speed by pressing the corresponding key.

Press the next page key to show the next menu.

㉒ Format

If the internal memory of the machine or USB flash drive does not function due to damage to the memory bank, you need to re-enable it by formatting the memory.

To format the machine's internal memory, press the machine icon key and a confirmation message will appear. Press the OK key to format.

To format a USB flash drive, press one of the USB icons and the confirmation window will open. Press the OK key to format.

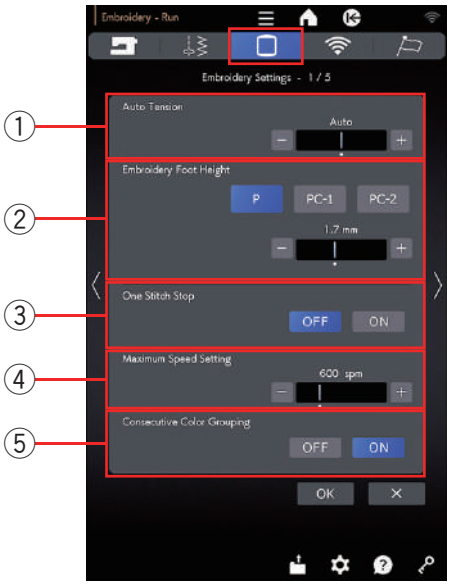
⚠ CAUTION:

Do not turn off the power or disconnect the USB flash drive while a warning message is displayed otherwise it may damage the memory bank.

㉓ Reset All to Defaults

Press the Yes key to reset all the parameters except wireless LAN settings to the original values (factory settings).

Press the OK key to register the new menu.



Embroidery Setting Mode

Press the embroidery setting mode key (refer to page 97).

① Auto Tension

The auto thread tension level can be adjusted with the "+" or "–" key. Increase the value when using the same threads on the bobbin and needle.

② Embroidery Foot Height

The machine measures fabric thickness and automatically sets the presser foot to the optimum height.

However, you can fine tune the foot height according to fabric material and/or other sewing conditions by pressing the "+" or "–" key. The adjustable range is 0 mm to 4 mm.

You can select the type of embroidery foot to set the embroidery foot height from P, PC-1 or PC-2 by pressing the corresponding key.

③ One Stitch Stop ON/OFF

When this function is turned on, the machine sews one stitch and stops automatically with the "One Stitch Stop" message displayed on the screen, so that you can bring the bobbin thread up before sewing.

④ Maximum Speed Setting

The maximum embroidery sewing speed can be set from 400 to 1200 spm in 100 spm intervals by pressing the "+" or "–" key. (Sewing speed can be varied with the speed control slider even while running the machine.)

NOTE:
Reduce the sewing speed when sewing patterns with narrow zigzag stitches that tend to warp at high speeds.

⑤ Consecutive Color Grouping ON/OFF

If an imported stitch data file or design files of a pattern combination contain consecutive sections in the same color, these sections are automatically grouped together as one section when opening the file or saving the pattern combination as a file or going to the Ready to Sew window. This function is invalid when combining the built-in designs and externally sourced designs.

Turn this option off if you do not wish to group the sections together.

Press the next page key to go to the next menu.

⑥ Upper Thread Breakage Sensor

If you want to turn off the auto-stop function when the upper thread (needle thread) breaks, turn off the upper thread breakage sensor.

⑦ Bobbin Thread Remaining Sensor

If you want to turn off the auto-stop function when the bobbin thread runs out, turn off the bobbin thread remaining sensor.

⑧ Thread Cutting

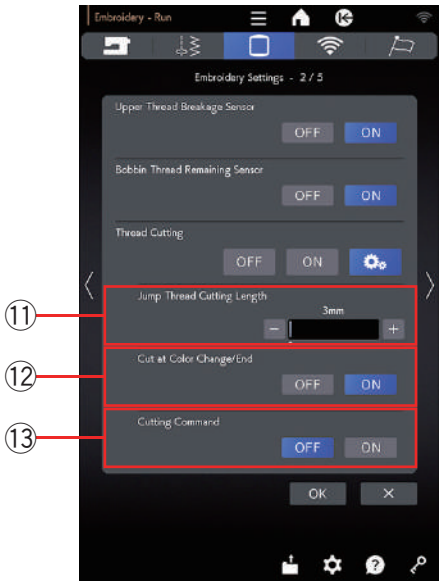
There are 3 thread cutting options for embroidery.

⑨ Easy setting

When this setting is turned on, the machine will trim the threads if the jump thread is 3 mm or longer, or when the machine stops to change the thread to the next color.

⑩ Advanced setting

When this setting is turned on, you can configure the Jump thread cutting ⑪, Cut at color change/end ⑫, and Cutting Command ⑬ options individually.



⑪ Jump Thread Cutting Length

When this option is turned on, the machine trims the jump threads if the jump thread length is the same or more than the set value.

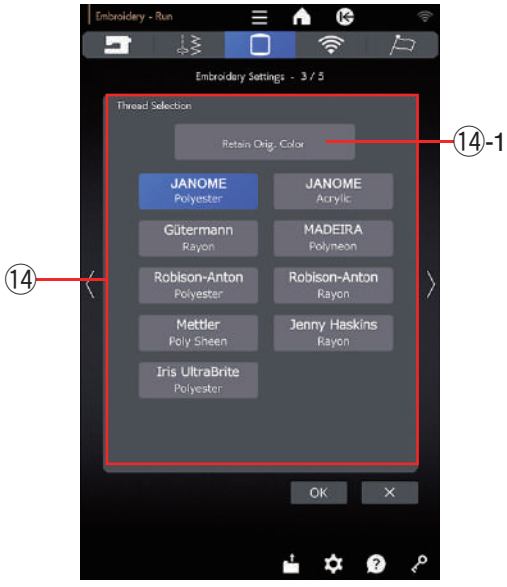
⑫ Cut at Color Change/End

When this option is turned on, the machine trims the thread when it stops to change the thread to the next color.

⑬ Cutting Command

When this option is turned on, the machine trims the threads at the trim code if the imported stitch data file contains a trim command (cutting command).

Press the next page key to go to the next menu.



⑭ Thread Selection

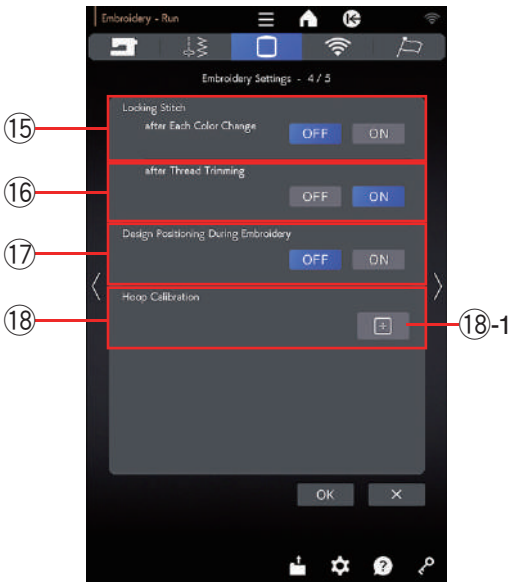
There are 9 types of embroidery thread to choose from.

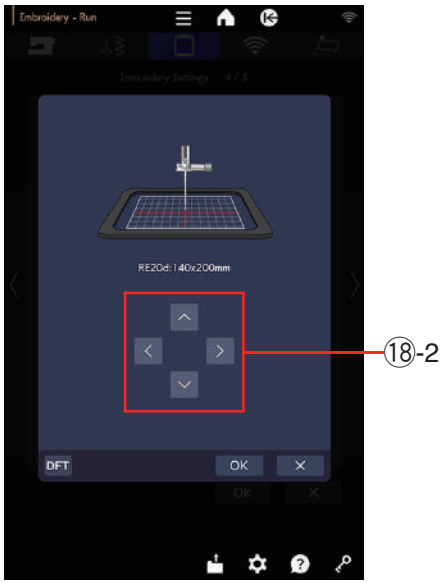
Press the key of the thread you wish to use. The color code and the selected brand are shown on the Ready to Sew window. The color code and the selected brand are also shown by pressing the color list key.

If you use imported embroidery stitch data containing proper thread information, press the “Retain Orig. Color” key to retain this information.

⑭-1 Retain original color key

Press the next page key to go to the next menu.





NOTE:
You do not need to change Locking stitch function settings when using built-in embroidery designs.

⑮ Locking Stitch ON/OFF (after Each Color Change)

The threads may ravel if the stitch data does not contain locking stitches at the beginning of each color section.

To avoid raveling, insert locking stitches at the beginning when this function is turned ON.

⑯ Locking Stitch ON/OFF (after Thread Trimming)

If you turn ON thread cutting (refer to the previous page “Thread cutting”), the machine will insert locking stitches after the jump to avoid threads from raveling.

⑰ Design Positioning During Embroidery

If you turn ON the “Design Positioning During Embroidery”, you can re-position the embroidery design with the jog key.

⑱ Hoop Calibration

You can calibrate the center position of the hoops.
You need to enter embroidery mode before opening the embroidery setting window.

Attach the embroidery unit and press the key ⑱-1.

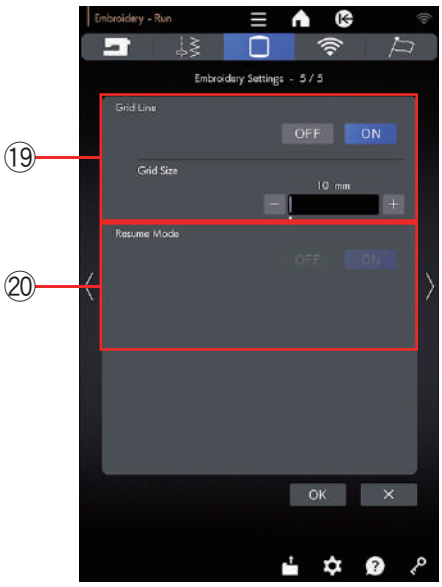
The carriage moves to the center position.

Select the hoop and attach it to the carriage. Set the template in the hoop.

Adjust the hoop position by pressing the jog keys so that the needle is right above the hole in the template and press the OK key.

⑱-2 Jog keys

Press the next page key to go to the next menu.



⑲ Grid Line ON/OFF

Turn this option on to show a grid in the editing window.

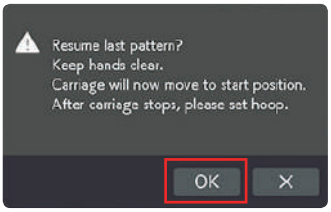
The grid size can be altered from 10 mm to 30 mm with the “+” or “–” key when this option is on.

Turn this option off to hide the grid.

⑳ Resume Mode

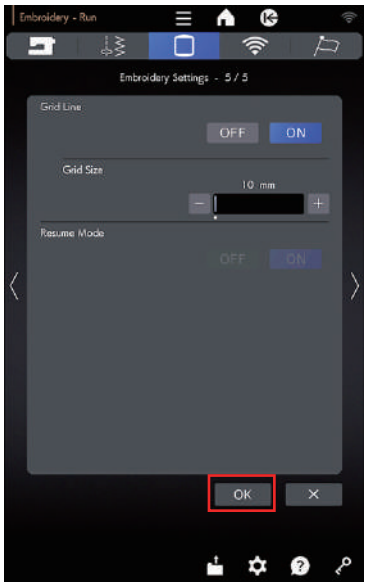
When resume mode is turned on, the last stitch sewn before turning the power off will resume when you turn the power on again.

NOTE:
You cannot turn off the resume mode setting if the “Auto-off (Time Setting)” is not set to “OFF” (refer to page 99).



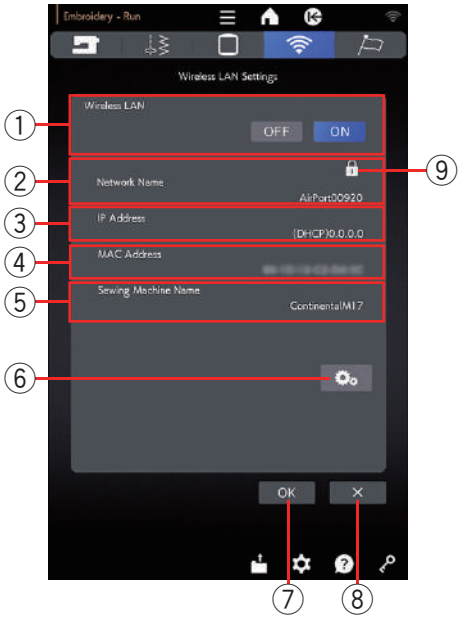
When you turn the power on, the confirmation window opens.

Press the OK key to resume the last stitch of the sewn pattern.



After customizing the settings, press the OK key to enable the new settings.

To exit the setting mode without changing the settings, press X key.



Wireless LAN Setting Mode

Connecting wireless LAN network

A wireless router device that complies with the IEEE802.11b/g/n wireless standard is required for connecting your machine with a wireless LAN network.

Starting Wireless LAN Settings

The default setting of the wireless LAN connection is “ON” ①. The network setting key ⑥ is enabled.
Press the network setting key ⑥ to enter the network settings.
Choose one of the 4 methods to connect with the wireless LAN connection (refer to pages 106-107).

① Wireless LAN connection

The default setting of the wireless LAN connection is “ON”. The Wireless LAN connection and the network setting key ⑥ are enabled.
Press “OFF” to disconnect wireless LAN connection.

② Network Name

The name of the wireless network (SSID) connected with your Continental M17 is displayed.
The lock icon ⑨ appears if the connected access point is secured with an encryption key.

③ IP Address

The IP address of your machine is displayed.

“(DHCP)” is displayed in front of the IP address when the DHCP option is turned on.

The IP address can be changed in the network settings.

④ MAC Address

The MAC address of the Continental M17 is displayed.

⑤ Sewing Machine Name

The sewing machine name for network identification is displayed.

The sewing machine name can be changed in the network settings.

⑥ Network setting key

Press this key to open the Network Settings window (refer to pages 106-108).

⑦ OK key

Press this key to confirm the wireless LAN network connection setting.

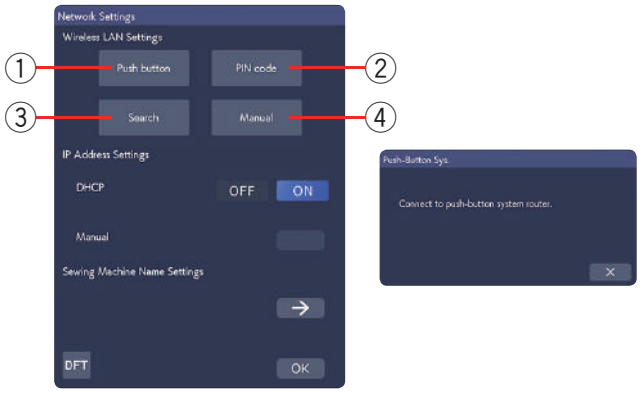
⑧ Cancel key

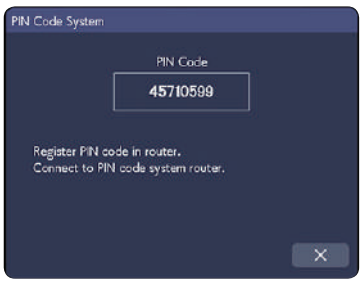
Press this key to cancel the wireless LAN network connection setting.

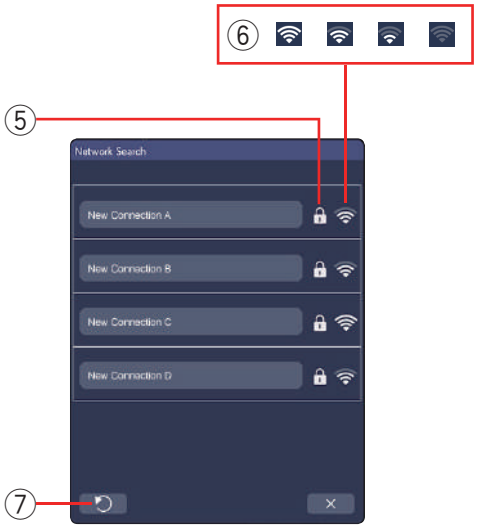
NOTE:
The use of home appliances such as a microwave oven, bluetooth devices or cordless phones can reduce the range of the Wireless LAN connection (if your wireless router’s network standard is using IEEE802.11b or IEEE802.11g). You may need to reduce the distance between the machine and the wireless LAN access point, or install the wireless LAN access point at an appropriate location.

NOTE:
- If you select Push Button for the security setting of your wireless LAN router, check the following:
  - Select “ASCII” for the encryption type.
  - Select the initial number for the key index number (The initial number can be “0” or “1”, depending on the wireless LAN router).
- For setting up, refer to your wireless router’s instructions.
- Connect only one device to the wireless LAN access point. To use applications for Continental M17* when you are using several Janome sewing machines at the same time, turn OFF the wireless LAN settings or the power switches of the machines that are not currently in use. Then connect the machine (Continental M17) to the wireless LAN access point.

  * AcuAssist, AcuSetter, AcuSketch, ScreenSaverTool, Embroidery-Link, etc. (To download applications for Continental M17, refer to the quick start guide that comes with this sewing machine.)







Network settings

NOTE:
Please refer to your wireless router's instructions when using the push-button or PIN method to connect with the wireless LAN network connection.

① Wireless LAN settings push-button configuration method

Press "Push button" ①.
The Push-Button Sys. dialog box appears on the screen.
Press the Wireless LAN settings button on the wireless LAN router.
The dialog box appears and the wireless LAN router will automatically connect with your Continental M17.
To use the Wireless LAN settings push-button configuration method, the wireless router must support this method. Please also refer to the wireless router's instructions about this method.

NOTE:
The machine displays "Connection to the network failed" if it cannot receive a signal from the wireless LAN access point within 2 minutes.

② Wireless LAN settings PIN method

If the wireless router supports the Wireless LAN settings PIN method, you can connect the machine using this method.
Press "PIN Code" ②. The PIN Code System dialog box appears.
Register the PIN code to the router before the PIN Code System dialog box is closed to establish the network.
To enter the PIN code to your wireless router, please refer to the instructions of your wireless router's Wireless LAN settings PIN method setup.

NOTE:
The machine displays "Connection to the network failed" if the Wireless LAN connection is not established within 2 minutes.

③ Search for access point

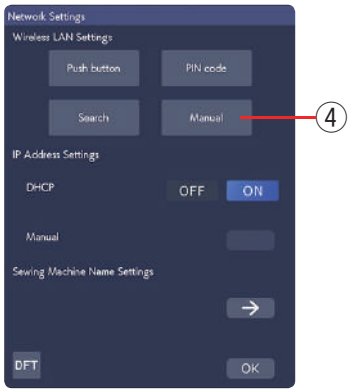
Press "Search" ③.
The machine will search for any wireless LAN access point within the range, and the names of network will be listed.
The lock icon ⑤ appears on the right side of the list if the connection requires an encryption key to get connected.
The signal strength icon ⑥ shows the strength of the connection signal. The number of waves above the dot indicates the signal strength of the wireless connection.
Press the wireless network name you would like to connect with.

NOTE:
If you cannot find the wireless LAN access point you are looking for, press the refresh key ⑦ to search for the wireless LAN access point again.

If the selected wireless network requires an encryption key for connection, the Encryption Key Entry dialog box appears. Be careful to enter uppercase or lowercase letters as required.

Enter the encryption key and press the OK key to establish the network.

Press show/hide key ⑧ to show or hide the entry.

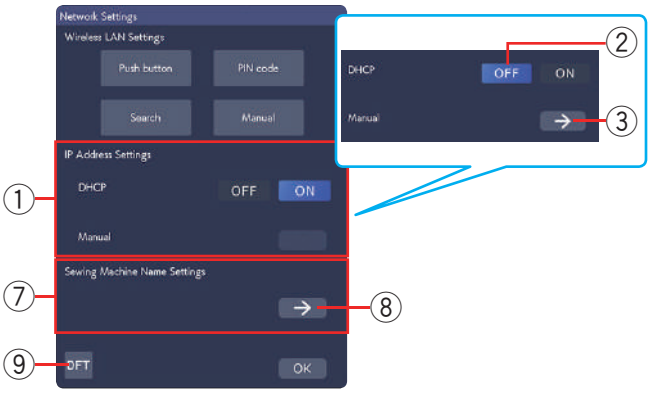


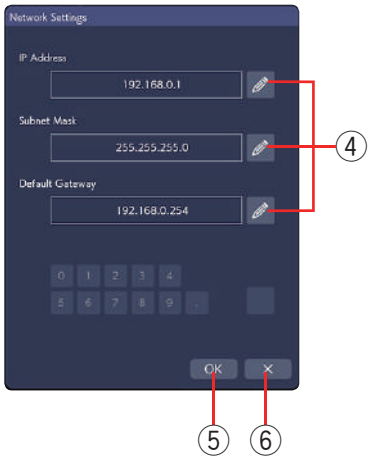
④ Manual method

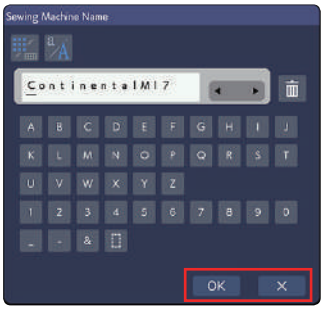
Press “Manual” ④. Enter the network name you would like to connect with. Press the OK key.

If the selected wireless network requires an encryption key for connection, the Encryption Key Entry dialog box appears.

Enter the encryption key and press the OK key to establish the network.







① IP Address Settings (network settings)

Turn the DHCP option ON to use DHCP to assign an IP address.

If you want to configure the network settings manually, press the DHCP option OFF ②, and press the arrow key ③ for the Manual option.

The network settings window appears.

Press the icon ④ of the item you would like to set, choosing from IP Address, Subnet Mask or Default Gateway.

Enter the setting by pressing the numeric keys that appear under the settings.

Press the ↵ key to assign the settings.

Press the OK key ⑤ to confirm the network settings.

Press the X key ⑥ to cancel the settings.

NOTE:

- You do not need to turn off the DHCP option and configure the network settings manually unless you know the appropriate IP address, Subnet Mask and Default Gateway for this machine.
- When the DHCP option of Continental M17 is turned ON, turn on the DHCP option of your wireless router as well.

⑦ Sewing Machine Name Settings

Press the arrow key ⑧ to open the sewing machine name setting window.

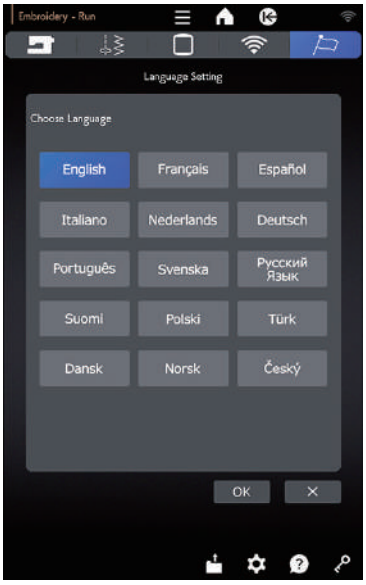
Enter the sewing machine name for the network identification.

Press the OK key to change the name.

Press X to cancel the settings.

⑨ Default key

Press default key ⑨ to reset the Wireless LAN settings (factory settings).



Language Setting Mode

Select the desired language and press the OK key.
The right touch screen shows messages in the selected language.

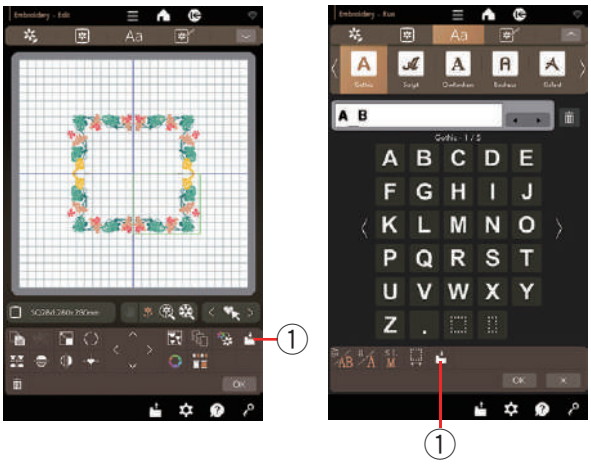
SAVING AND OPENING A FILE

Saving a File

You can save original embroidery designs created in embroidery mode as files in the built-in memory and/or USB flash drive.

NOTE:
- The files and folders are displayed on different pages.
- USB flash drive capacity 64 GB and under is recommended for this sewing machine.
- This model supports FAT16 and FAT32 formats only. If the USB flash drive is not read, check its format (refer to pages 124-125).
- Do not use a USB card reader and USB hub.

1



1 Press the save file key and the save file window will open.

① Save file key

2

2 A folder labeled “Embf” (embroidery mode) is displayed on the screen.

To select the folder, press the folder icon.

3

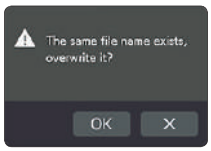
3 File names are assigned automatically in numerical order starting from M_001.....

Press the OK key and the file is saved in the selected folder.

To assign a particular name to the file, press the rename key.

② File name
③ Rename key

4 5



4 The keyboard window opens.

If you wish to use the QWERTY layout keyboard, press the keyboard key. Pressing the letter case key changes the letter case from upper case to lower case and vice versa.

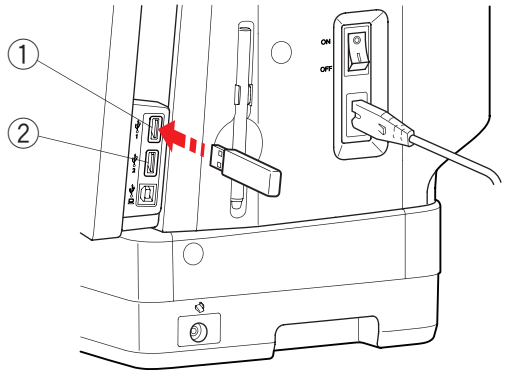
④ Keyboard key
⑤ Letter case key

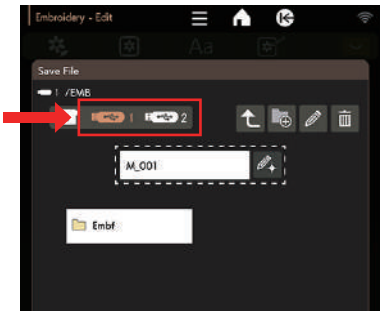
5 Enter a new name and press the OK key.

The file is saved under the new name.

When you attempt to save a file with a name that already exists, the confirmation message will appear.

Press the OK key to overwrite the existing file or press the X key if you do not want to overwrite it.





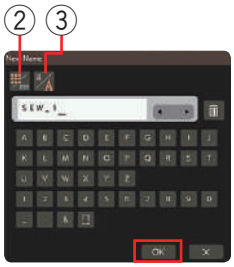
Saving a File on a USB Flash Drive

To save a file on a USB flash drive, insert a USB flash drive to USB port 1 or USB port 2.

① USB port 1
② USB port 2

On “Save File” window, select USB flash drive icon 1 or 2 that you inserted your USB flash drive to.

* Refer to the previous page “Saving a File” for saving a file.



Creating a New Folder

Press the new folder key and the keyboard window will open.

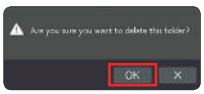
① New folder key

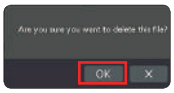
If you wish to use the QWERTY layout keyboard, press the keyboard key. Pressing the letter case key changes the letter case from upper case to lower case and vice versa.

② Keyboard key
③ Letter case key

Enter a folder name and press the OK key.

A new folder is created under the assigned name.





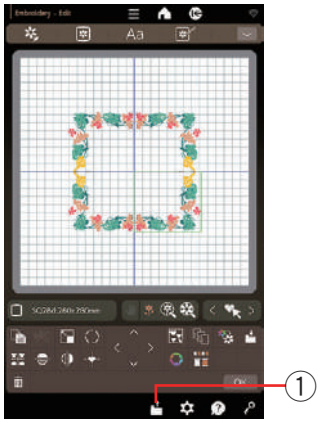
Deleting a File or Folder

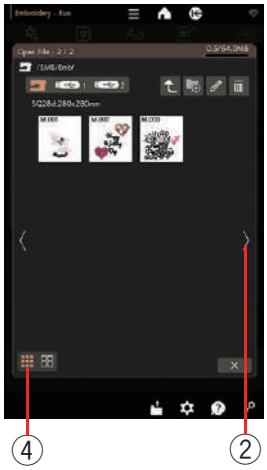
Press the delete key and select the file or folder to delete.

A confirmation message appears.

Press the OK key to delete the file or folder.

④ Delete key





Opening a File

You can open saved files, in the machine's internal memory or a USB flash drive.

Press the open file key and the open file window will open.

① Open file key

Select the folder location, either the built-in memory or USB flash drive.

Open the folder that contains the desired file by pressing the folder icon.

The file list of the selected folder is displayed.

To open the file, press the file icon.

Files are categorized in accordance with the hoop size. Press the next page key to turn the page.

② Next page key

In the embroidery mode, file attributes can be shown on the file icon.

To show the file attribute, press the "large icon" key.

③ Large icon key

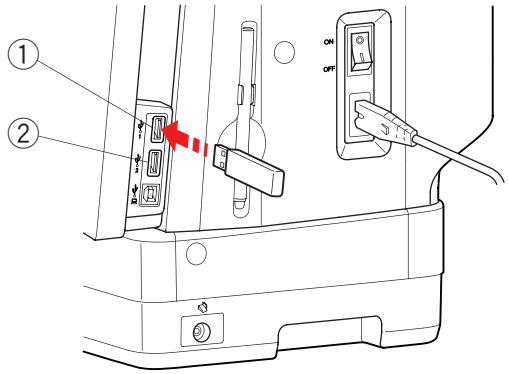
There are 6 file attributes as follows:

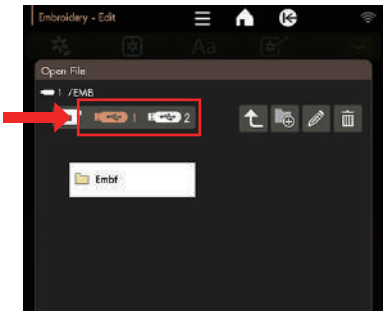
Attributes	Formats
JEF	*.JEF (Janome embroidery format)
JEF+	*.JEF+ (editable Janome embroidery format)
JPX	*.JPX (*.JEF+ with a background bitmap image)
JPX	*.JPX (Acufil embroidery format)
JPX	*.JPX (Cutwork embroidery format)
DST	*.DST (Tajima embroidery format)

To hide the file attribute, press the small icon key.

④ Small icon key

NOTE:
Tajima (*.DST) format does not have thread color information. Janome's thread color will be assigned automatically when opening.





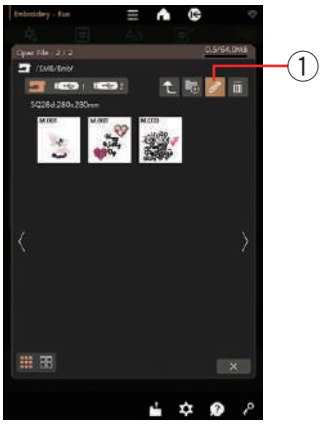
Opening a File on a USB Flash Drive

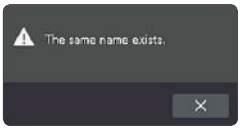
To open the embroidery data file on a USB flash drive, insert a USB flash drive to USB port 1 or USB port 2.

① USB port 1
② USB port 2

On “Open File” window, select USB flash drive icon 1 or 2 that you inserted your USB flash drive to.

* Refer to the previous page “Opening a File” for opening a file.





Changing the Name of a File or Folder

Press the rename key and select the file or folder for which you wish to change the name.

The keyboard window will open.

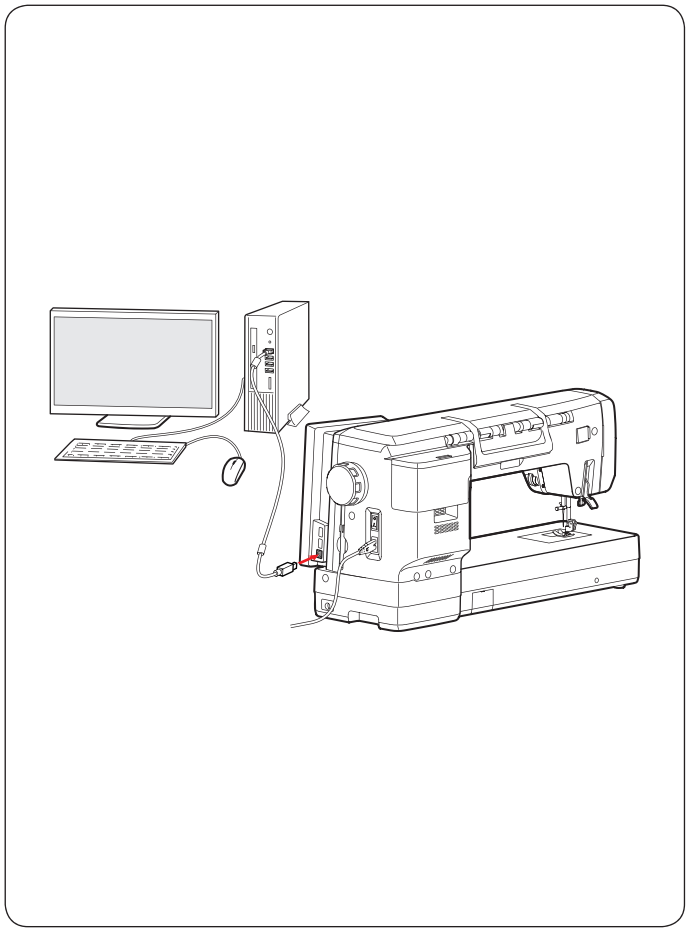
Enter a new name and press the OK key.

The name of the file or folder will change.

① Rename key

If you enter a name that already exists, the message “The same name exists.” will appear.

Press the X key and enter another name.



Direct PC / Mac-Link

You can connect the machine to your PC / Mac with the USB cable included in the standard accessories or wireless LAN. To connect the machine to your PC / Mac with the USB cable, you need to install Stitch Composer or Artistic Digitizer Jr. for the CM17 on your PC / Mac.

For more information, access the following URL.

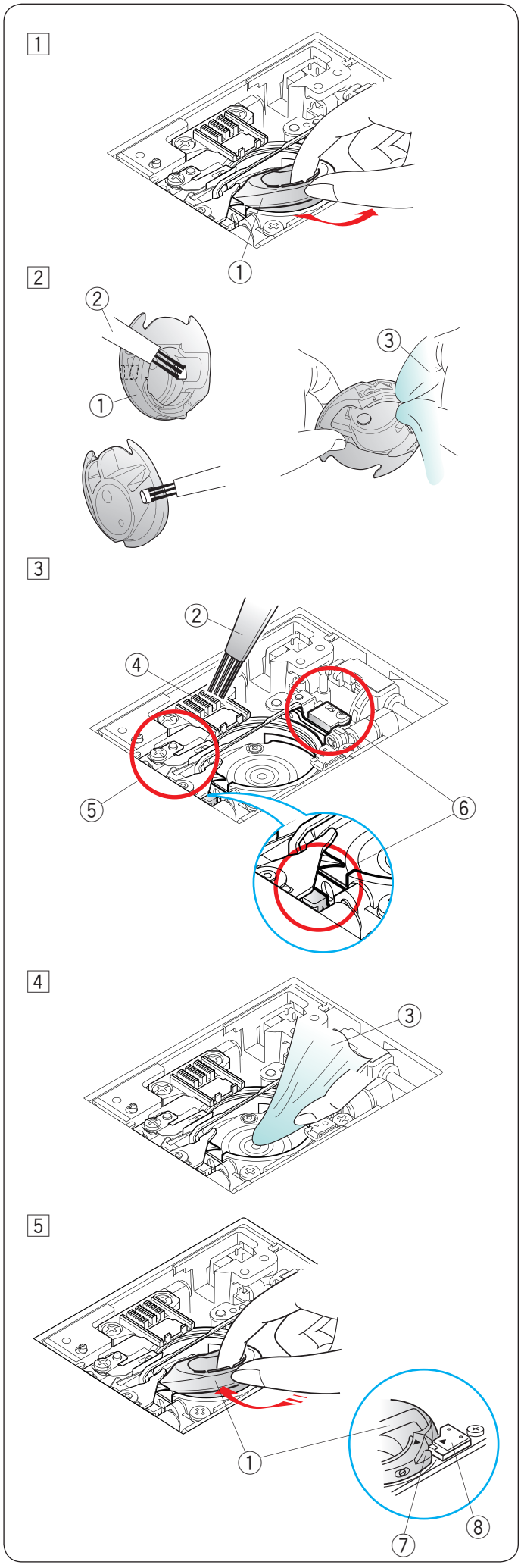
URL: https://www.janome.co.jp/e/e_downloads/CM17_softwares.html

To import design patterns from your PC / Mac, refer to instructional movie “Export Design” in the Artistic Digitizer Jr. software.

To connect the machine to your PC / Mac with wireless LAN refer to page 105.

⚠ CAUTION:

- Make sure to use the USB cable that came with the machine.
- Do not turn the power off or disconnect the USB cable while the data transfer is in progress, as this will cause loss of data and can damage the machine’s memory.



CARE AND MAINTENANCE

⚠ WARNING:

- Turn the power switch off and unplug the machine before cleaning.
- Do not dismantle the machine in any way other than as explained in this section.

⚠ CAUTION:

- Do not store the machine in a high-humidity area, near a heat radiator, or in direct sunlight. Store the machine in cool dry place.
- Clean the outside of the machine with a soft cloth.
- Do not use chemical solvents.

Cleaning the Hook Area

Clean the hook area frequently.

1 Remove the needle plate (refer to page 22).

Turn the power switch off and unplug the machine. Remove the needle and foot holder (refer to pages 16 and 21).

Take out the bobbin and bobbin holder.

① Bobbin holder

2 Clean the bobbin holder with a lint brush.

Apply a few drops of the bobbin holder cleaner (included in the standard accessories) to a soft cloth and wipe the bobbin holder both inside and outside.

② Lint brush
③ Soft cloth

3 Clean the feed dog, auto thread cutter device and around the bobbin thread detecting sensor with the lint brush.

④ Feed dog
⑤ Auto thread cutter device
⑥ Bobbin thread detecting sensor

4 Clean the hook race with a soft cloth.

③ Soft cloth

5 Insert the bobbin holder so that the knob fits next to the stopper in the hook race.

Attach the needle plate, presser foot and needle.

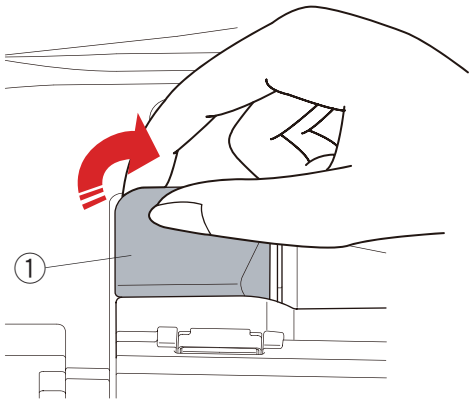
Insert the bobbin.

⑦ Knob
⑧ Stopper

Cleaning the Inside of the Thread Guide

Clean the inside of the thread guide plate under the top cover at least once a month.

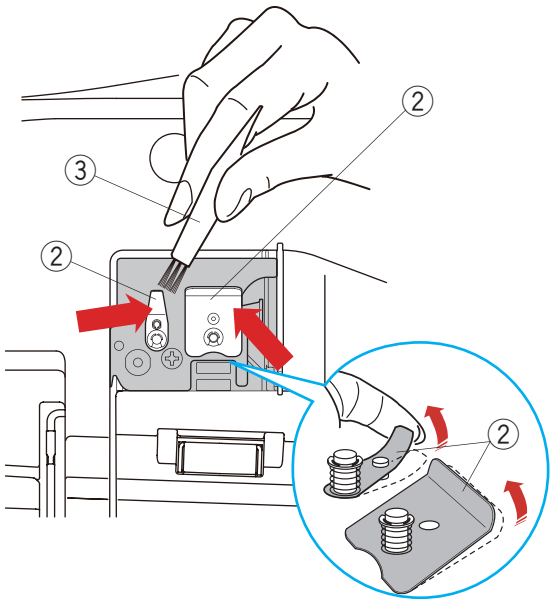
1



1 Remove the needle thread and remove the thread guide plate by pulling it up.

① Thread guide plate

2



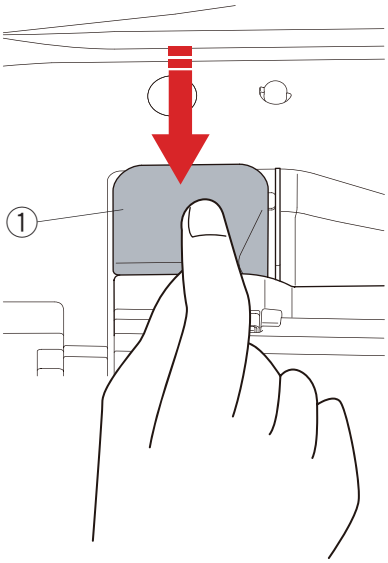
2 Clean the area around and under the pre-tension leaf with the lint brush.

* Hold the tip of the pre-tension leaf softly and brush out the dust.

② Pre-tension leaf

③ Lint brush

3



3 Set the thread guide plate on the machine.

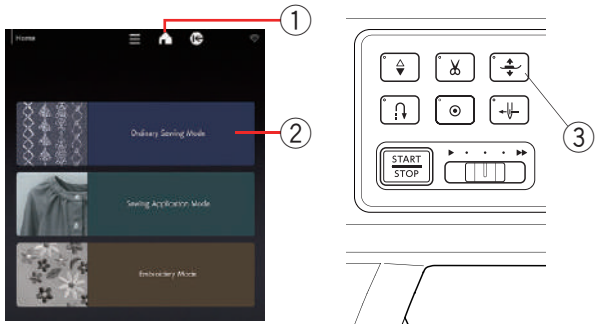
Push the thread guide plate down to snap it in place.

① Thread guide plate

Cleaning the Thread Path

Clean lint and wax in the tension area with a piece of paper.

Select the ordinary sewing mode for cleaning the thread path.

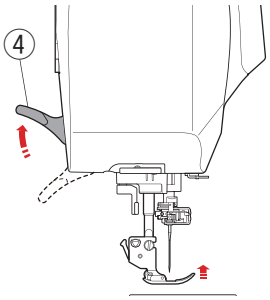
1 

Press the home key to open the home window.

On the home window, press the Ordinary Sewing Mode key to open the ordinary sewing mode.

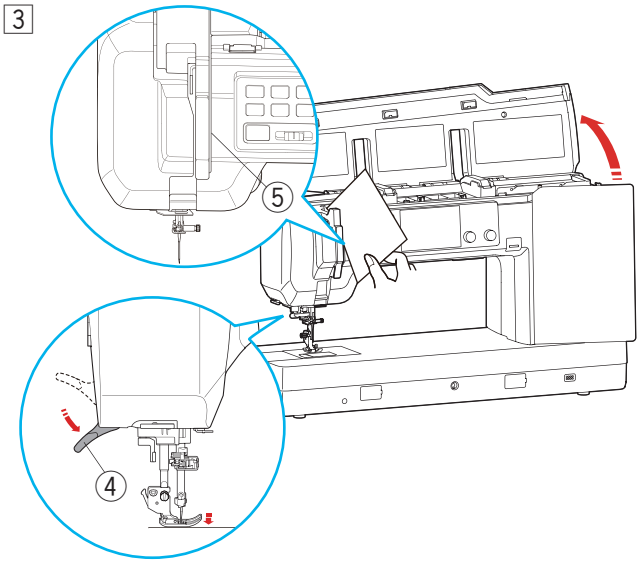
Press the presser foot lifter button to lower the presser foot.

① Home key
② Ordinary Sewing Mode key
③ Presser foot lifter button

2 

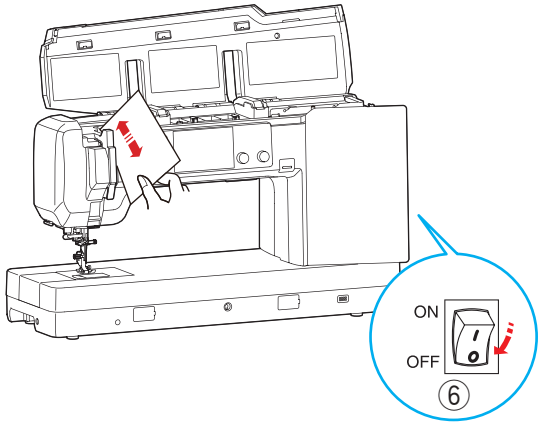
Raise the presser foot with the presser foot lifter.

④ Presser foot lifter

3 

Insert a piece of paper along the right channel and lower the presser foot with the presser foot lifter.

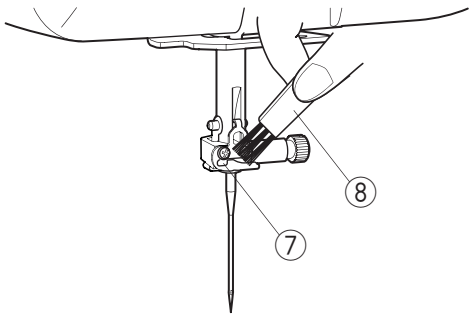
④ Presser foot lifter
⑤ Right channel

4 

Turn the power switch off.

Scrape out the lint with the paper.

⑥ Power switch

5 

Clean the needle bar thread guide with the lint brush.

⑦ Needle bar thread guide
⑧ Lint brush

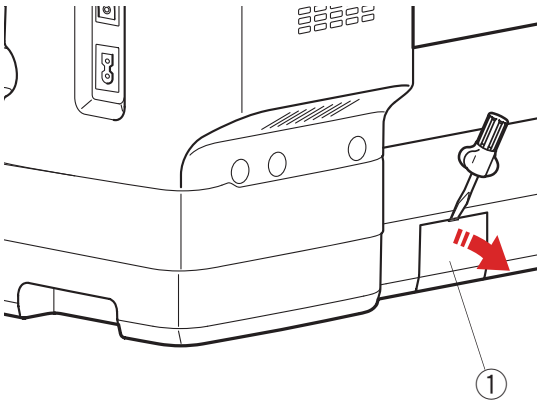
Replacing the Coin Cell Battery for the Internal Clock

If the clock on the right touch screen always indicates “0:00” when turning the power switch on, replace the coin cell battery in the sewing machine.

WARNING:

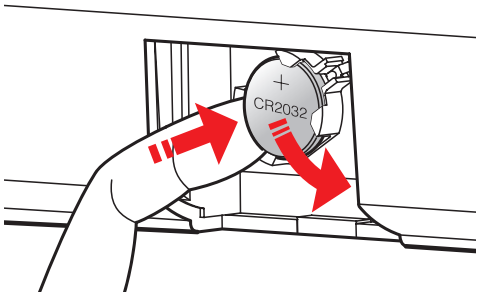
- Battery may explode if mistreated.
  Do not recharge, disassemble or dispose of by fire.
- Turn off the power switch before replacing the battery.
- Replace the battery with “CR2032” type only.
  Use of another may present a risk of fire or explosion.
- Chemical Burn Hazard. Keep the battery away from children.
- The batteries must be disposed of properly.

1



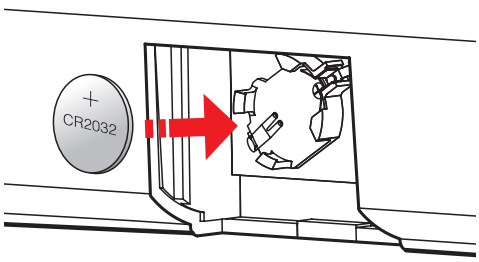
1 Remove the battery cover with a screwdriver.
① Battery cover

2



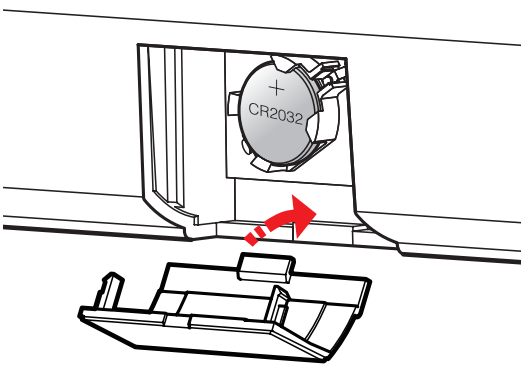
2 Remove the coin cell battery.

3

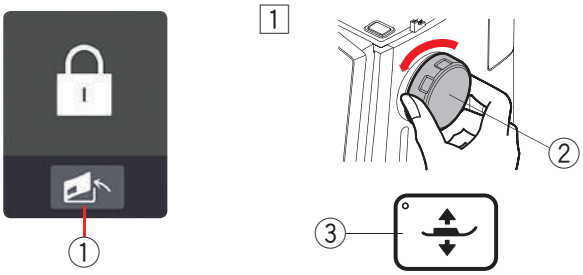


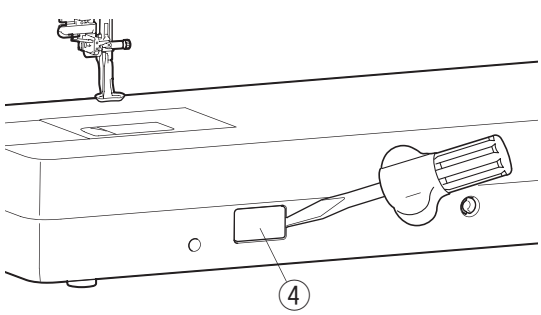
3 Install the “CR2032” battery with the “+” mark facing up.

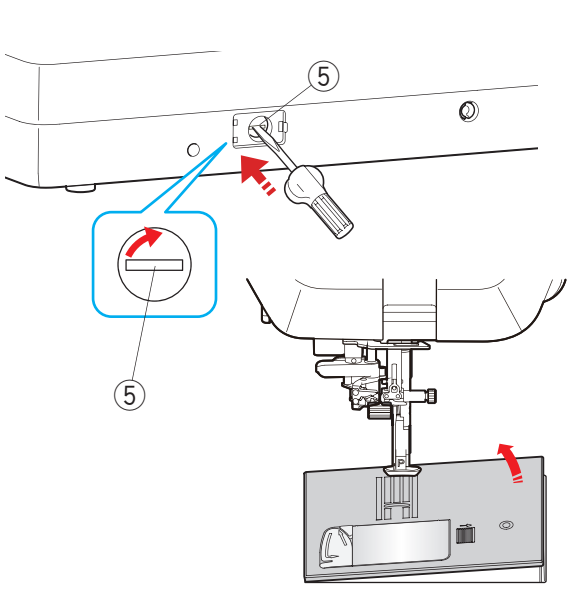
4

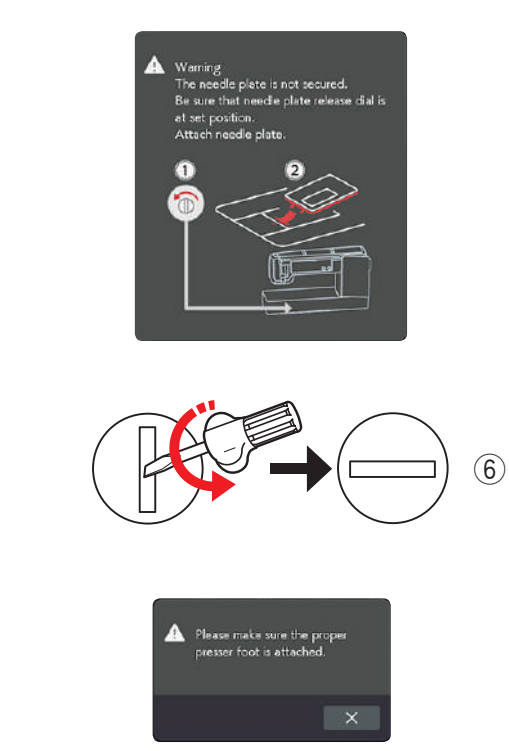


4 Attach the battery cover.
Set the clock again after replacing the battery (refer to page 98).









Replacing the Needle Plate Emergency Procedure

⚠ CAUTION:
Never turn the needle plate release dial while running the machine.

If the needle plate will not automatically snap off when pressing the needle plate release key on the lockout screen, you can replace the needle plate using the needle plate release dial.

① Needle plate release key

1 Raise the needle by turning the handwheel toward you.

Press the presser foot lifter button to raise the presser foot.

② Handwheel
③ Presser foot lifter button

2 Remove the needle plate release dial cap with a screwdriver.

④ Needle plate release dial cap

3 Push and turn the needle plate release dial clockwise with the screwdriver to remove the needle plate.

⑤ Needle plate release dial

4 A warning message will appear that the needle plate is not secured.

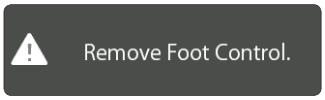
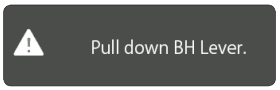
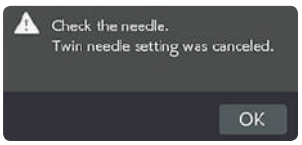
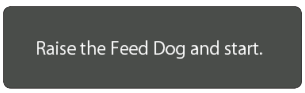
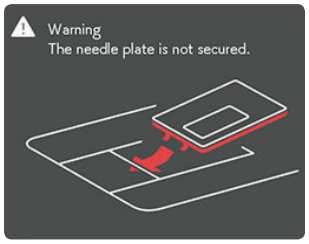
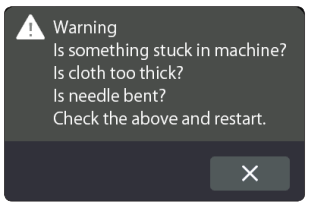
Turn the needle plate release dial counterclockwise with the screwdriver to be at set position.
Attach the needle plate.

⑥ Set position

NOTE:
In the ordinary and sewing application mode, a message will appear when attaching a needle plate. Press the X key after attaching the proper presser foot.

Problems and Warning Signals

If a buzzer sounds and the right touch screen shows a warning sign, follow the guidance below.

Warning Sign	Cause	Try this
	The start/stop button is pressed with the foot control connected.	Disconnect the foot control.
	The foot control is broken.	Contact the service center or the store from whom the machine was purchased.
	The machine will stop if the buttonhole is sewn without lowering the buttonhole lever.	Lower the buttonhole lever and start the machine again.
	The twin needle key is pressed when the twin needle sign is indicated on the right touch screen.	Replace the twin needle with a single needle and press the OK key.
	The machine is started with the feed dogs lowered.	Raise the feed dogs unless you want to sew with the feed dog lowered.
	The needle plate is removed. The needle plate is not properly attached to the set position.	Attach the needle plate. Check if the needle plate is attached properly. Press down the needle plate with your finger to snap it into the set position.
	The needle plate is removed with the needle plate release dial.	Turn the needle plate release dial at set position. Attach the needle plate.
	The machine stops due to overload.	Wait for at least 15 seconds to restart. Remove tangled threads around take-up lever, hook race and automatic thread cutting mechanism.

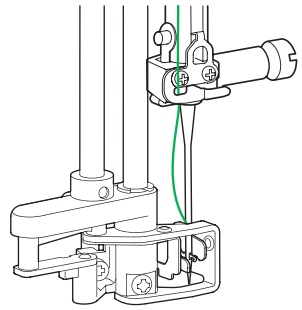
Troubleshooting (Embroidery)

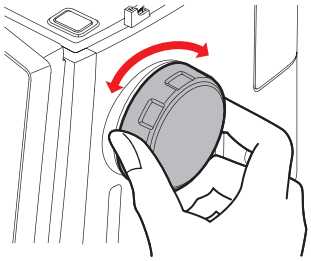
Problem	Cause	Reference
The machine is noisy.	1. Thread is jammed in the hook area. 2. The feed dog is packed with lint.	Page 115. Page 115.
The needle thread breaks.	1. The needle thread is not threaded properly. 2. The needle thread tension is too tight. 3. The needle is bent or blunt. 4. The needle is inserted incorrectly. 5. The thread is too heavy for the needle. 6. The needle thread was not set in the thread holder when embroidery sewing started.	Pages 27-28. Page 53. Page 21. Page 21. Page 21. Page 40.
The bobbin thread breaks.	1. The bobbin thread is not threaded properly in the bobbin holder. 2. Lint has collected in the bobbin holder. 3. The bobbin is damaged and does not turn smoothly.	Page 26. Page 115. Replace the bobbin.
The needle breaks.	1. The needle is inserted incorrectly. 2. The needle is bent or blunt. 3. The needle clamp screw is loose. 4. The needle thread tension is too tight. 5. The needle is too fine for the fabric being sewn.	Page 21. Page 21. Page 21. Page 53. Page 21.
Visual touch screen is not clear.	1. The brightness of the visual touch screen is not adjusted properly.	Page 98.
Skipped stitches.	1. The needle is inserted incorrectly. 2. The needle is bent or blunt. 3. The needle and/or threads are not suitable for the fabric being sewn. 4. A blue needle is not being used for sewing stretch, very fine or synthetic fabrics. 5. The needle thread is not threaded properly. 6. The needle is defective (rusted, burr on needle eye or tip). 7. The embroidery hoop is not set properly. 8. The fabric is not stretched tightly enough on the embroidery hoop. 9. A purple needle is not being used for sewing thick fabrics, denims and across the hem.	Page 21. Page 21. Page 21. Page 21. Pages 27-28. Change the needle. Page 40. Pages 38-39. Page 21.
Seam puckering.	1. The needle tension is too tight. 2. The needle thread or the bobbin thread is not threaded correctly. 3. The needle is too heavy for the fabric being sewn. 4. The fabric is not stretched tightly enough on the embroidery hoop. 5. A stabilizer is not attached to the back of the fabric for dense embroidery pattern designs.	Page 53. Pages 26-28. Page 21. Pages 38-39. Page 36.
The machine does not run.	1. The machine is not plugged in. 2. A thread is caught in the hook race. 3. The foot control is plugged in for sewing embroidery.	Page 9. Page 115. Unplug the foot control and use start/stop button.

Problem	Cause	Reference
A crunching sound occurs when running the machine.	1. Something is caught between the carriage and the arm. 2. The carriage is hitting something around the machine.	Remove the object. Page 31.
The embroidery patterns are distorted.	1. The needle thread tension is too loose. 2. Interfacing is not used for sewing stretch and very fine fabrics. 3. The embroidery hoop is hitting something around the machine. 4. The fabric is not stretched tightly enough on the embroidery hoop. 5. The fabric is caught or trapped when sewing embroidery. 6. The embroidery foot is caught by a jump thread. 7. The embroidery foot catches on a clump of embroidery threads.	Page 53. Use interfacing. Page 31. Pages 38-39. Stop the machine and free the fabric. Trim the jump thread. Adjust the foot height (Page 53).
Pattern selection keys do not work.	1. The electronic control circuit is not working correctly.	Turn off and then turn on the machine.
Threads frequently bunch up on the underside of the stippling design pattern.	1. The minimum length of jump thread cutting is too short.	Page 102.
The automatic needle threader does not return to up position.	1. The automatic needle threader is not working correctly.	Page 123.
The machine cannot connect to the wireless LAN access point.	1. The wireless router device does not comply with IEEE802.11b/g/n wireless standard. 2. The wireless router device using WEP security, and encryption type or/and key index is not set correctly.	Page 105. Page 105.
The machine's wireless LAN connection is unstable.	1. The wireless router device's DHCP option is not turned on. 2. A microwave oven, bluetooth device or cordless phone is being used between the machine and the access point.	Page 108. Page 105.
Wireless LAN connection ON/OFF keys are grayed out on the wireless LAN setting mode.	1. The wireless LAN setting mode is selected too soon after the machine is turned on. 2. The electrical circuit does not work properly.	Wait for a while before entering the wireless LAN setting mode. Turn off and then turn on the machine.
The wireless LAN setting has been set, but the signal strength icon is grayed out on the upper right corner of the right touch screen and the machine can not connect to the wireless LAN.	1. The wireless LAN setting was not completed correctly. 2. The electrical circuit does not work properly.	Complete the wireless LAN setting correctly (refer to pages 105-108). Turn off and then turn on the machine.
The USB flash drive is not read.	1. Format setting of the USB flash drive is not correct. 2. The USB flash drive is malfunctioning.	Pages 124-125 Replace the USB flash drive.

Troubleshooting (Automatic Needle Threader)

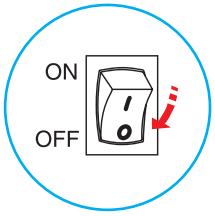
If the automatic needle threader is stuck and will not return to the up position automatically, correct it as follows:

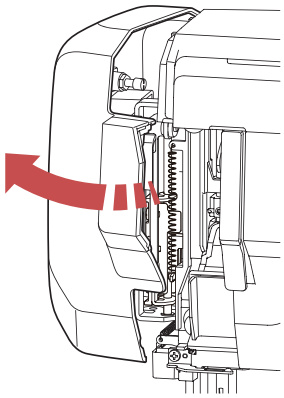




Carefully turn the handwheel away from you or toward you to move the needle up a little. The automatic needle threader will return to the up position automatically.
If the automatic needle threader still does not return to the up position, follow the steps below.

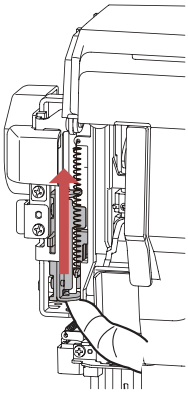
1

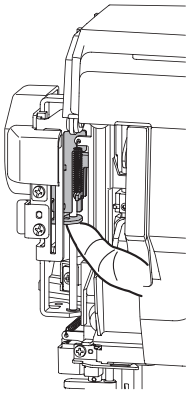




1 Turn the power switch off.
Open the face plate.

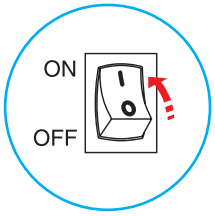
2

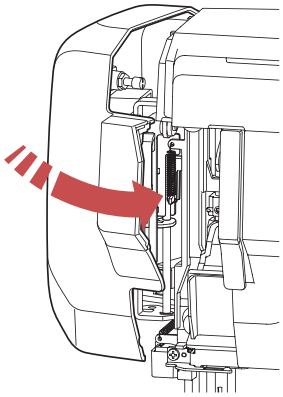




2 Lift the shaft plate with your finger as far as it goes.

3





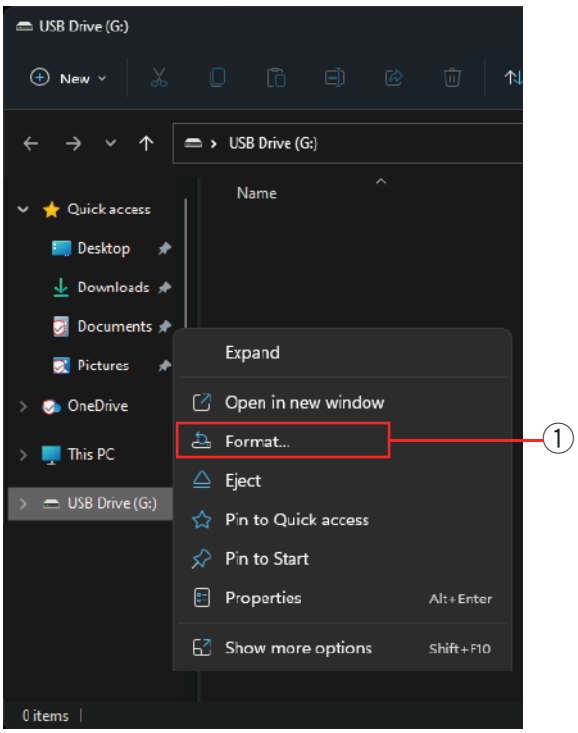
3 Close the face plate.
Turn the power switch on.

Formatting USB Flash Drives

NOTE:
Formatting of USB flash drive must be carried out on a personal computer using Microsoft Windows*.

For Windows 11 and 10 users, screen shot samples using Windows 11 are shown.

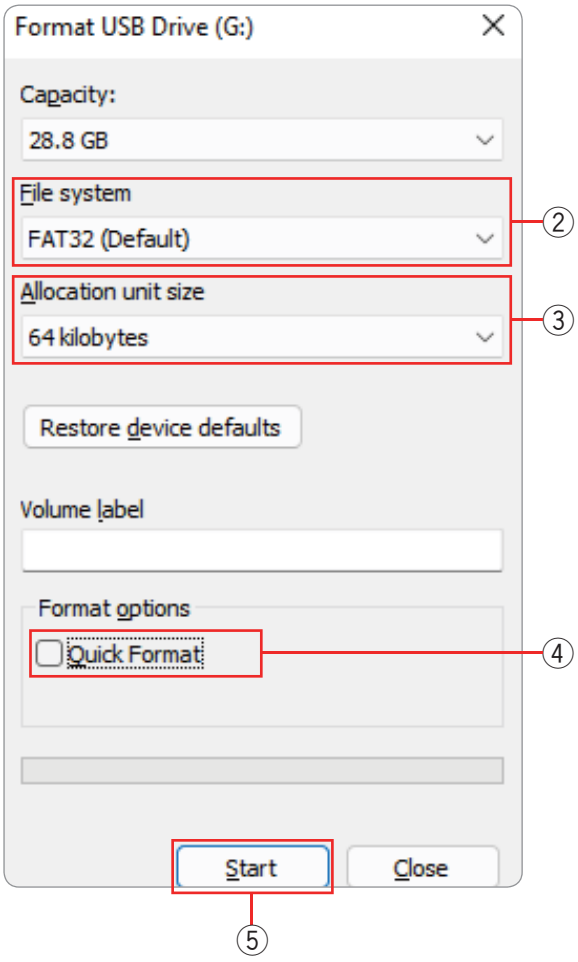
1



1 Using File Explorer, right click on the USB flash drive. Click format.

① Format

2 3 4



2 Format dialogue will be displayed. Select FAT16 or FAT32 from file system.

② File system

NOTE:
If FAT16 or FAT32 cannot be selected, use other PC.
Do not use Windows 8.1 for formating.
Or use other USB flash drive which can be read.

3 From allocation unit size, select a size of 64 kilobytes or less.

③ Allocation unit size

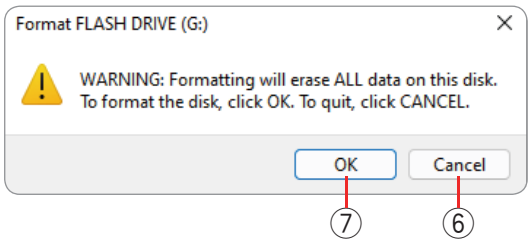
NOTE:
Do not check the quick Format.
④ Quick Format

4 Click the start key.

⑤ Start key

* Windows is a registered trademark of Microsoft Corporation.

5

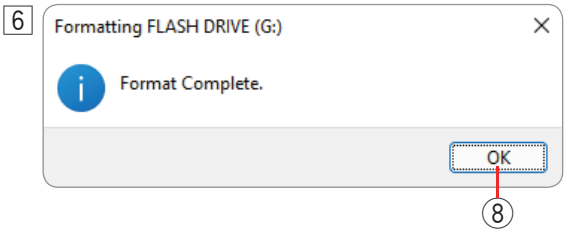


5 After the start key is clicked, the confirmation message will be displayed.

NOTE:
If there is any important data remaining on the USB flash drive, click the cancel key.
After saving the data elsewhere, begin the process again from 1.
⑥ Cancel key

Click the OK key to begin formatting.
⑦ OK key

6



6 A message will be displayed when the formatting is complete.
Click the OK key.
⑧ OK key

DESIGN CHART

Embroidery

Pattern images are not to scale.

Noriko Nozawa © N. NOZAWA

(RE46d)

Nicola Elliott © Nicola Elliott

(SQ28d)

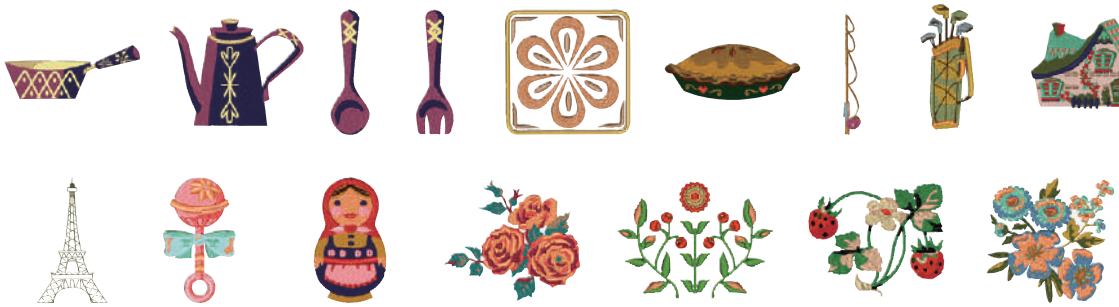
Nina Matsumoto © Nina. Matsumoto

(RE20d)

(SQ28d)

(RE46d)

GANAHA Collections © Y. GANAHA



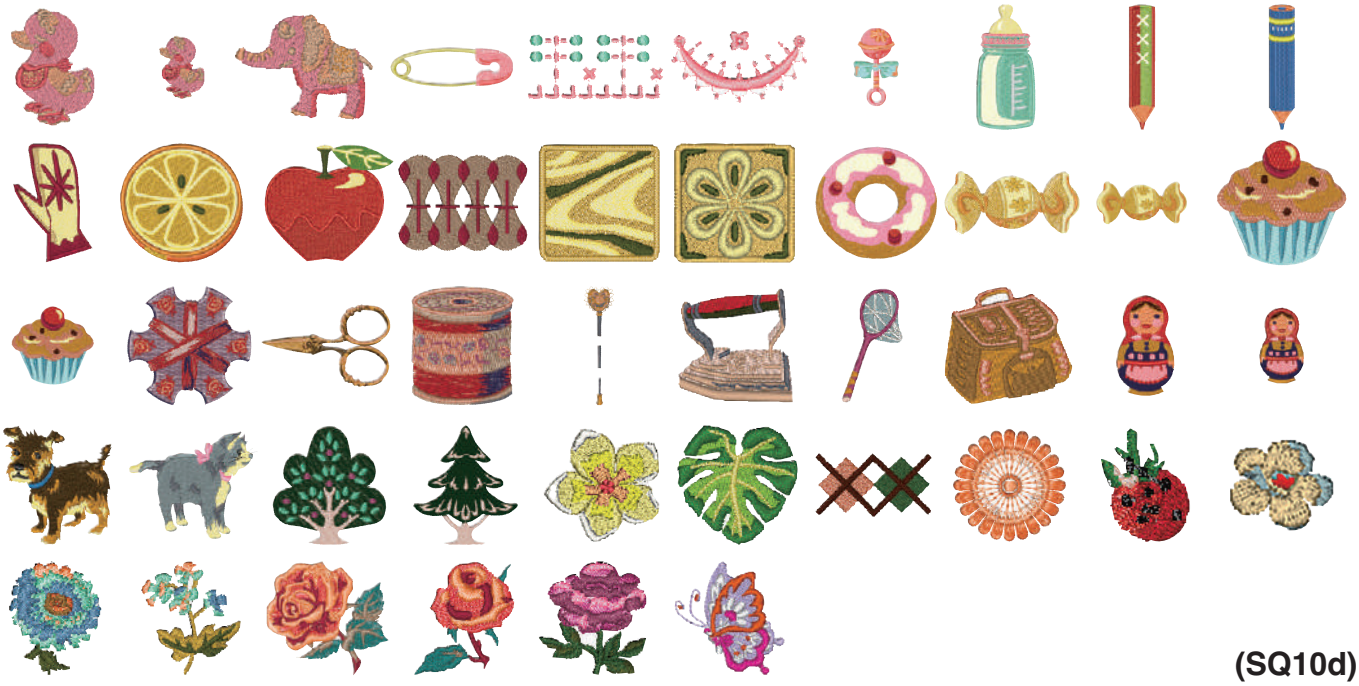
(RE20d)

(SQ28d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

GANAHA Collections © Y. GANAHA

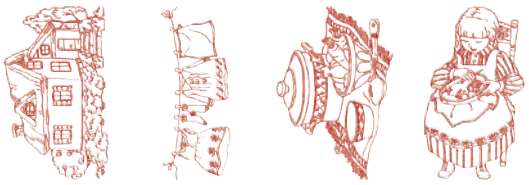


(SQ10d)

GANAHA by Redwork Designs © Y. GANAHA

(RE20d)

(SQ28d)



(RE46d)

(SQ10d)

GANAHA by White Embroidery Designs © Y. GANAHA

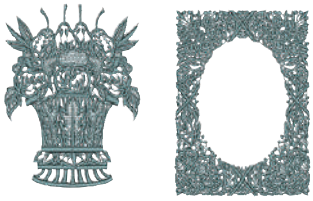
(RE20d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

GANAHA by White Embroidery Designs © Y. GANAHA

(RE20d)



(SQ28d)

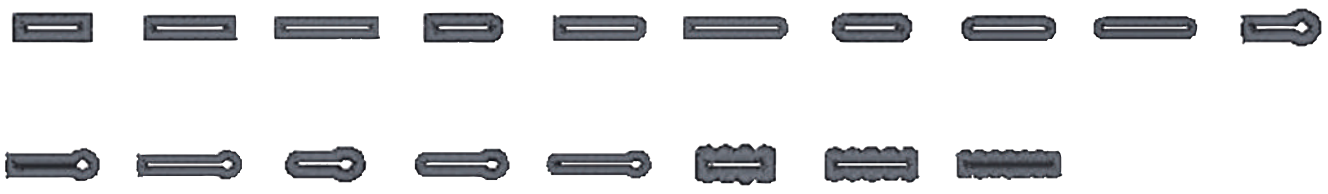
(SQ10d)

Dressmaking Designs

(SQ28d)

(RE46d)

Buttonhole Patterns

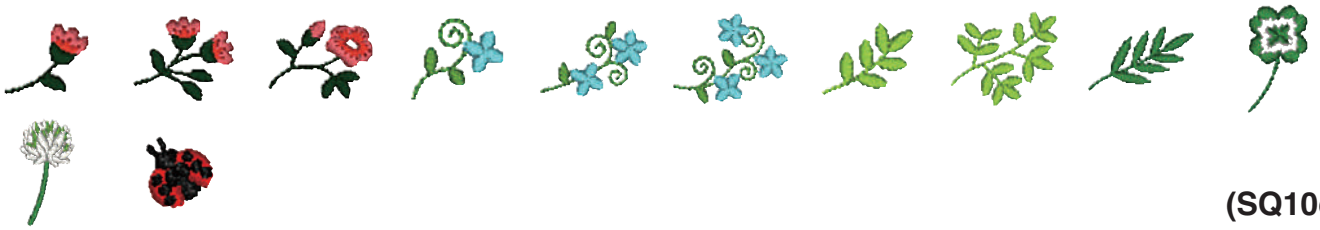


(SQ10d)

DESIGN CHART
Embroidery

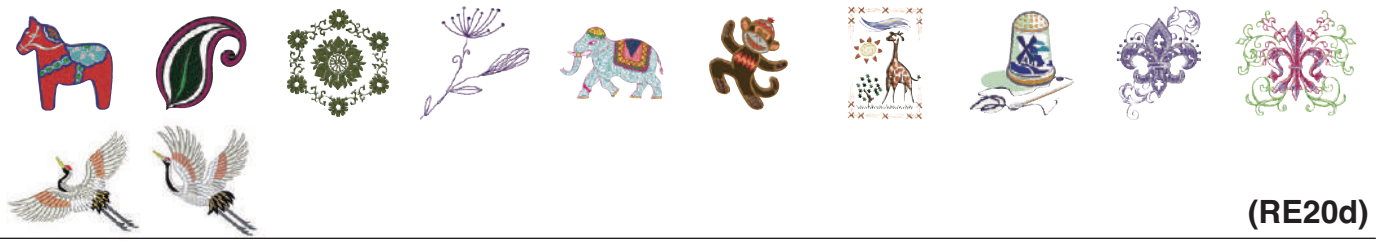
Pattern images are not to scale.

Buttonhole Decorations

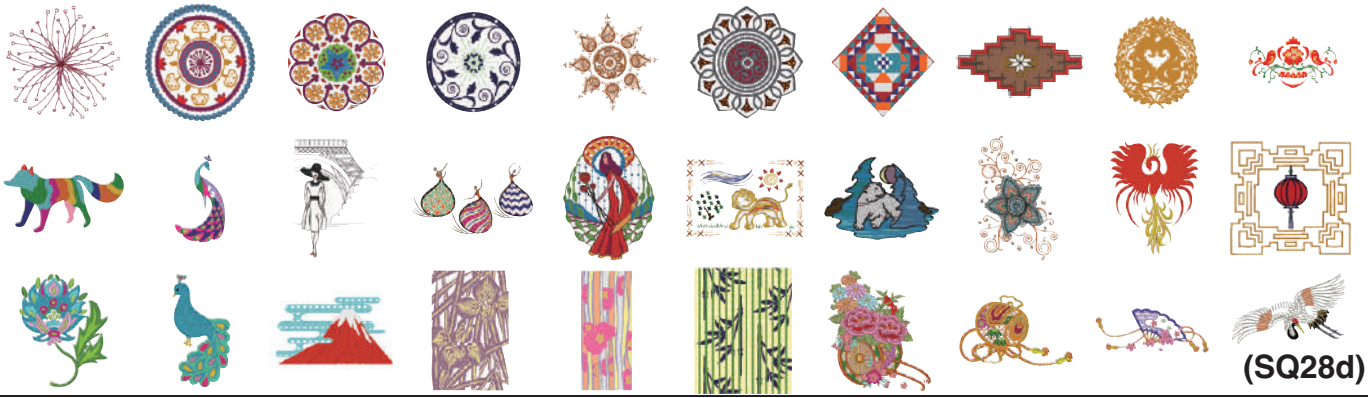


(SQ10d)

World Designs



(RE20d)



(SQ28d)

(RE46d)

(SQ10d)

Combination Designs

(RE20d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

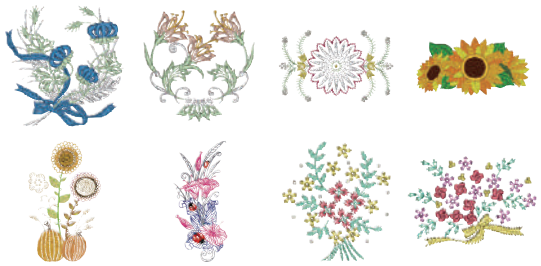
Combination Designs

(SQ28d)

(RE46d)

(SQ10d)

Floral and Garden Designs



(RE20d)

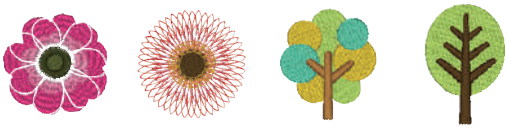
(SQ28d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Floral and Garden Designs

(RE46d)



(SQ10d)

Favorite Designs

(RE20d)

(SQ28d)

(SQ10d)

Baby & Children Designs

(RE20d)

(SQ28d)

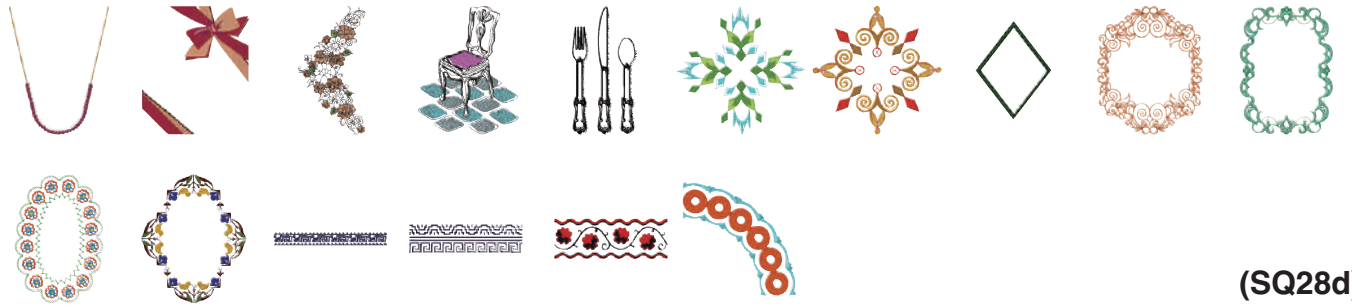
(SQ10d)

DESIGN CHART
Embroidery

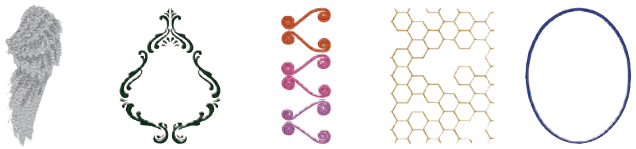
Pattern images are not to scale.

Decorative Designs

(RE20d)



(SQ28d)

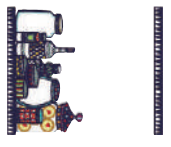


(RE46d)

(SQ10d)

Pantry Designs

(RE20d)



(SQ28d)

(SQ10d)

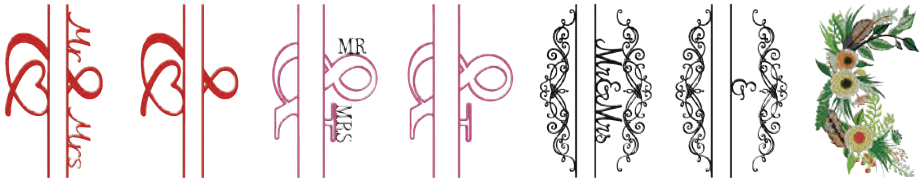
DESIGN CHART
Embroidery

Pattern images are not to scale.

Seasons and Special Occasions Designs <Wedding>

(RE20d)

(SQ28d)



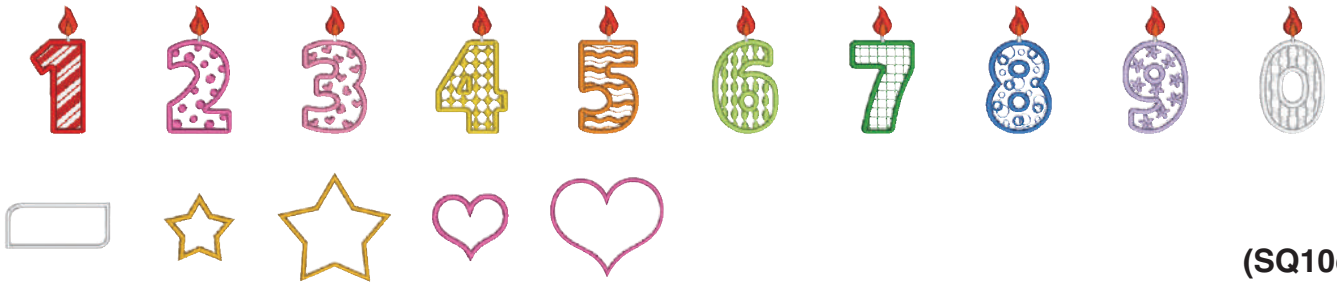
(RE46d)

(SQ10d)

Seasons and Special Occasions Designs <Birthday>

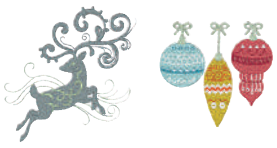
(SQ28d)

(RE46d)



(SQ10d)

Seasons and Special Occasions Designs <Christmas>



(RE20d)

(SQ28d)

(RE46d)

(SQ10d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Seasons and Special Occasions Designs <Others>

(RE20d)

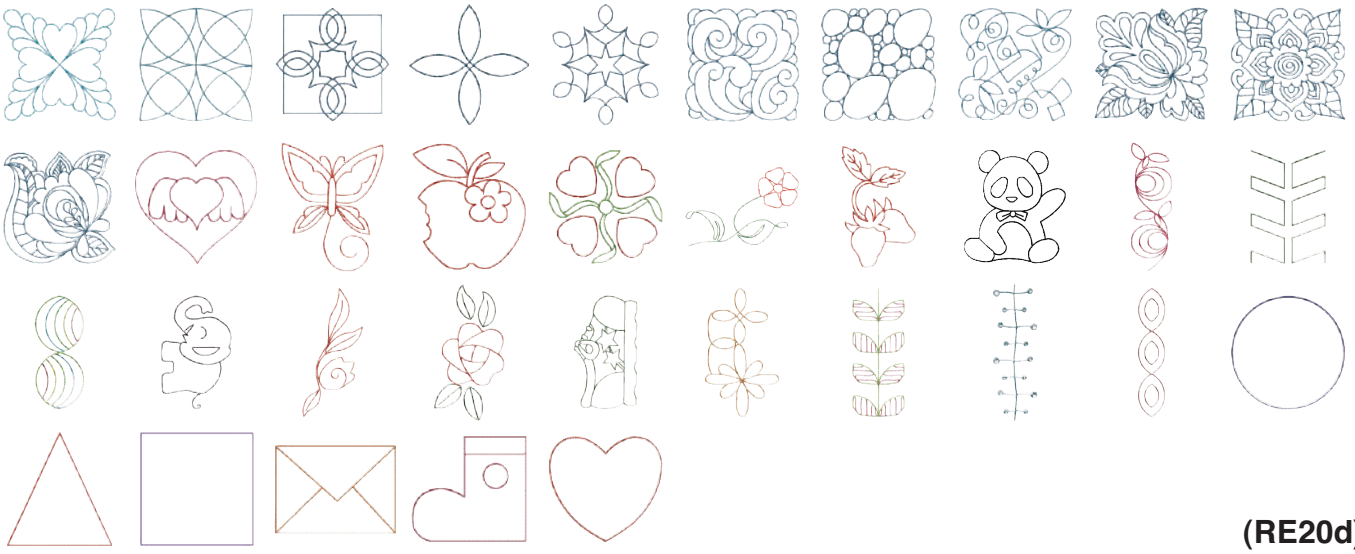
(SQ28d)

(SQ10d)

In-The-Hoop Designs

(RE46d)

Quilting Designs



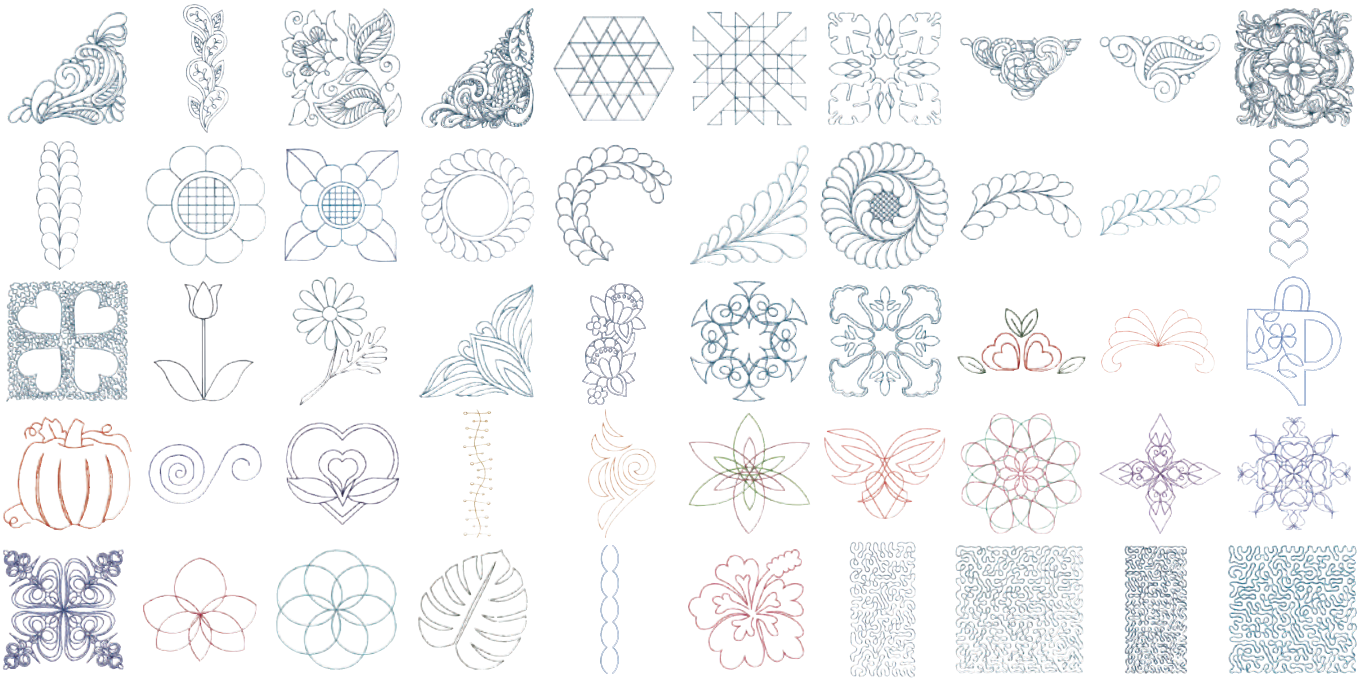
(RE20d)

(SQ10d)

DESIGN CHART
Embroidery

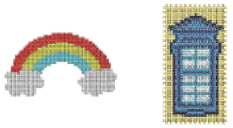
Pattern images are not to scale.

Quilting Designs



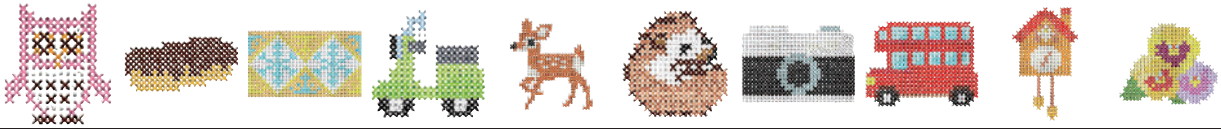
(ASQ27d)

Cross-stitch designs



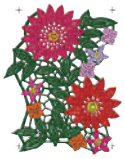
(RE20d)

(SQ28d)



(SQ10d)

Embroidery Lace Designs
Designs for water soluble stabilizer



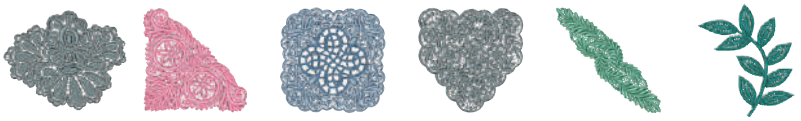
(SQ28d)

(SQ10d)

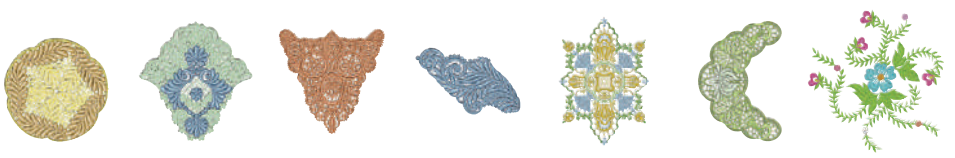
DESIGN CHART
Embroidery

Pattern images are not to scale.

Embroidery Lace Designs
Designs for fabric



(RE20d)



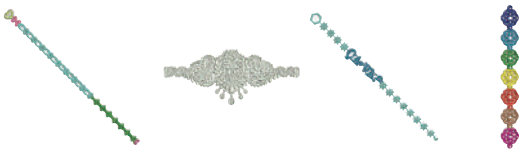
(SQ28d)

(RE46d)

(SQ10d)

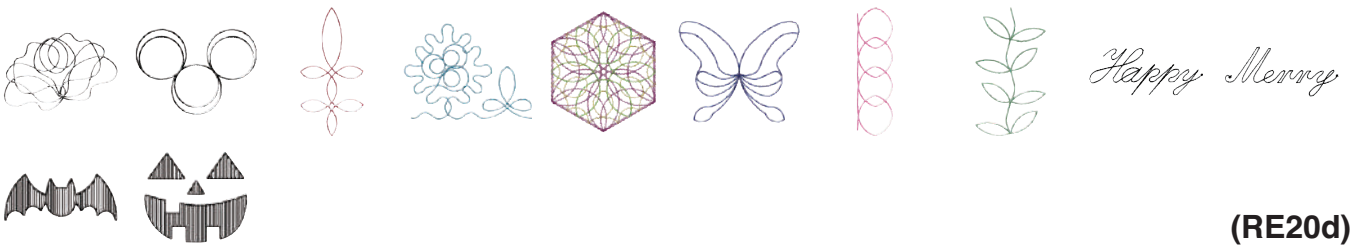
Bracelet Designs

(RE20d)



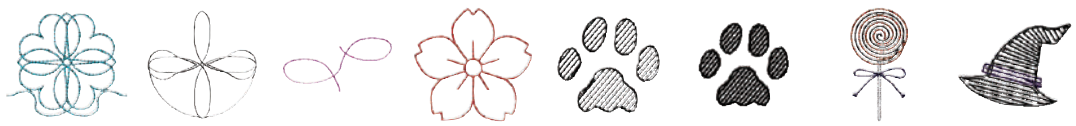
(SQ28d)

Couching Designs



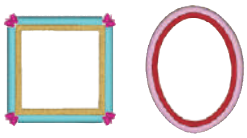
(RE20d)

(SQ28d)

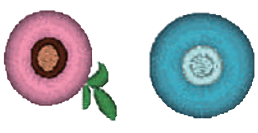


(SQ10d)

Fringe Designs



(RE20d)

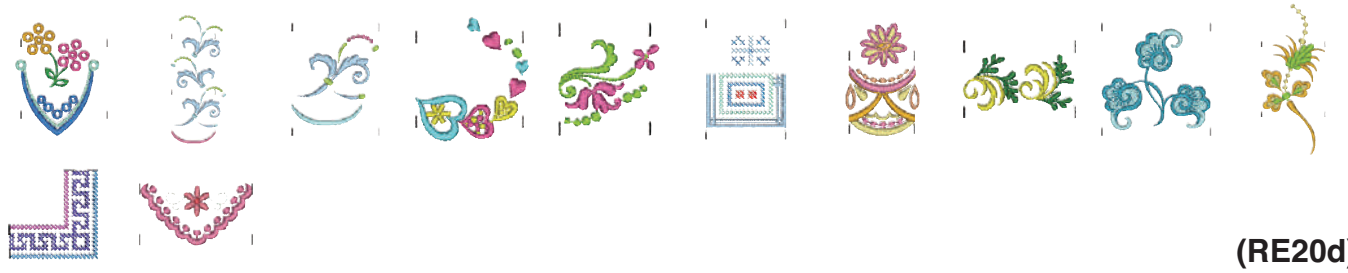


(SQ10d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Border Designs



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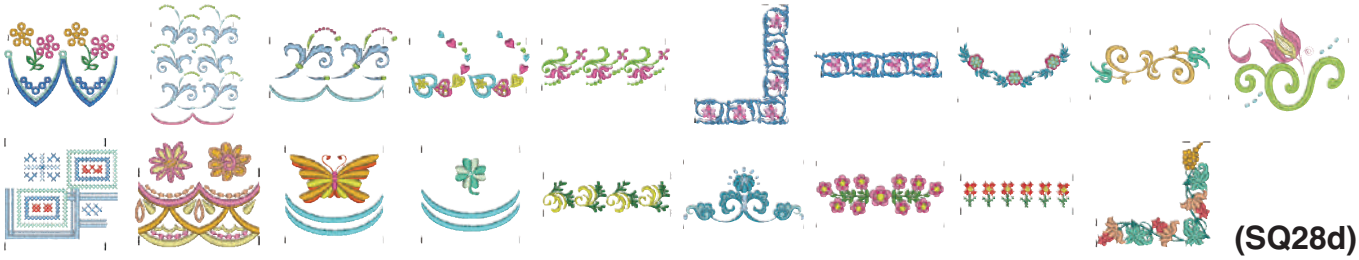
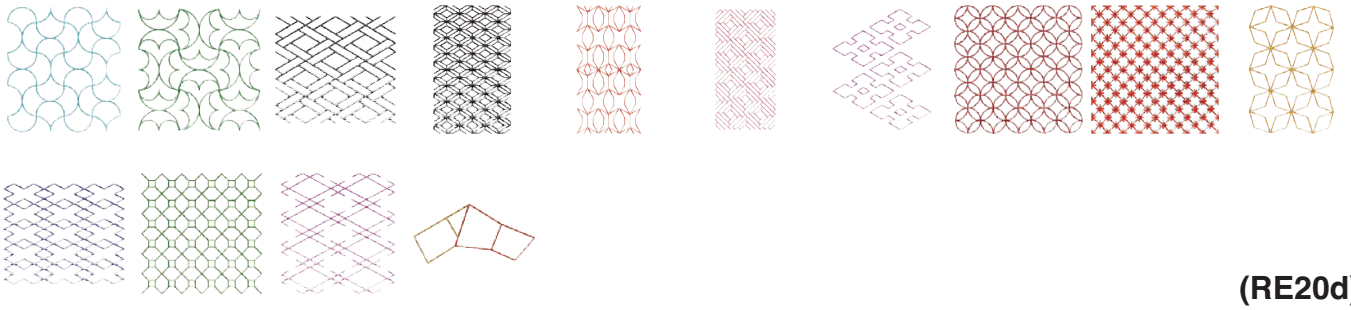


(SQ28d)

Sashiko Designs



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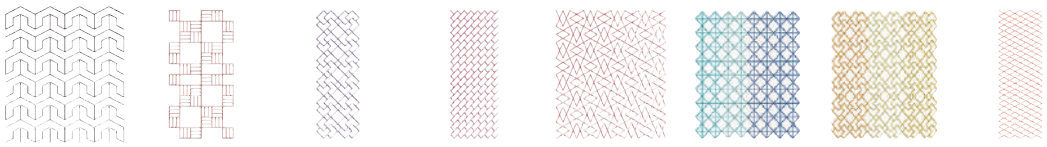

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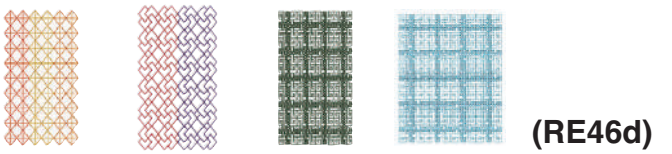
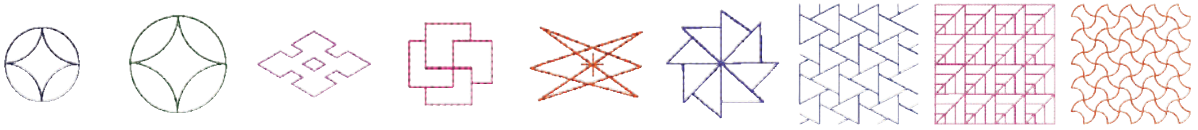


(RE46d)



(SQ10d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Monochrome Designs

(RE20d)

(SQ28d)

(SQ10d)

Word Designs

(RE20d)

(SQ28d)

(SQ10d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Alphabet Designs <Flourish>

(RE20d)

Alphabet Designs <Cross Stitch>

(SQ10d)

Alphabet Designs <Hana>

(SQ10d)

DESIGN CHART
Embroidery

Pattern images are not to scale.

Alphabet Designs <Motif>

(SQ10d)

Alphabet Design <Floral>

(SQ10d)

Alphabet Designs <Curly>

(SQ28d)

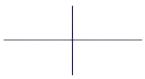
DESIGN CHART
Embroidery

Pattern images are not to scale.

Alphabet Designs <American Applique>

(RE20d)

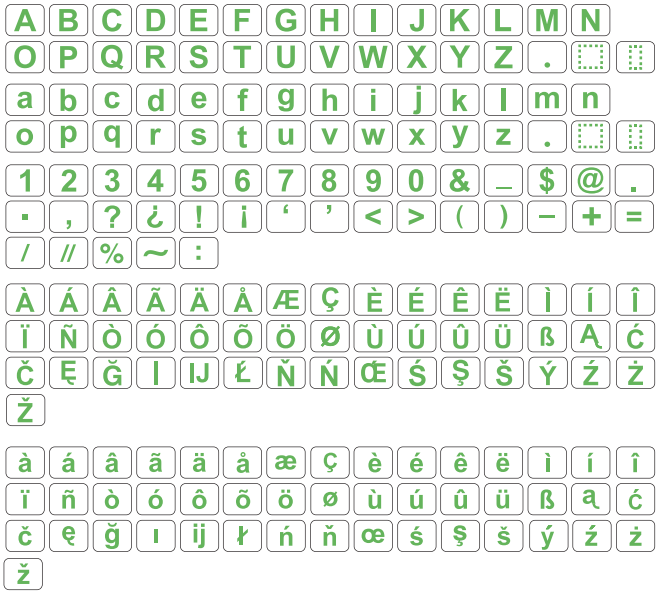
Calibration Pattern



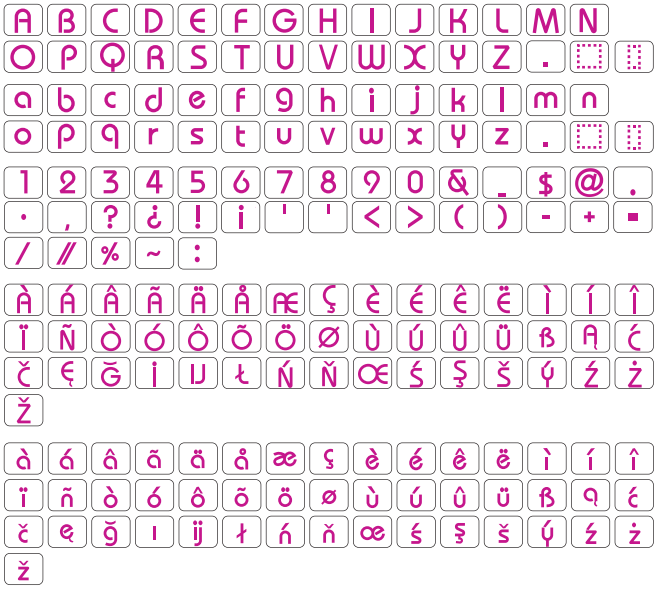
(SQ10d)

DESIGN CHART
Embroidery Monogram

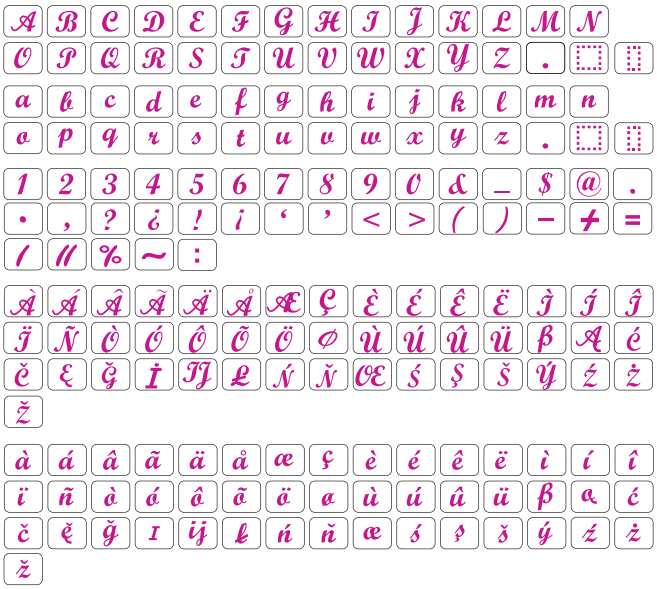
Gothic



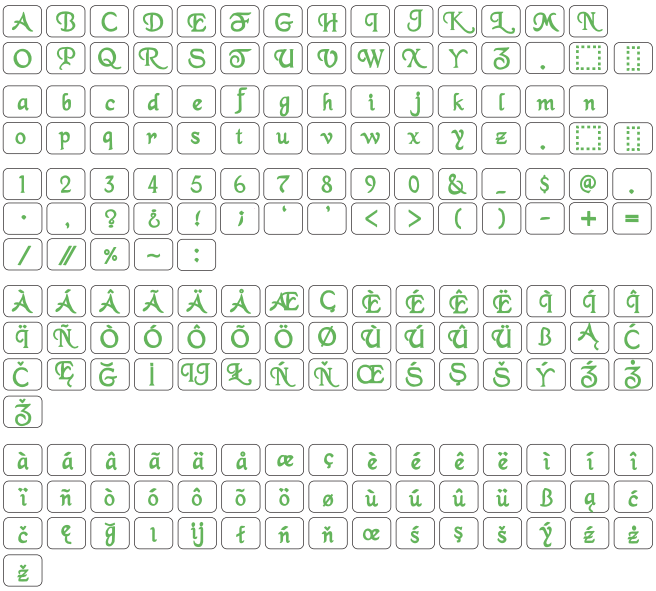
Bauhas



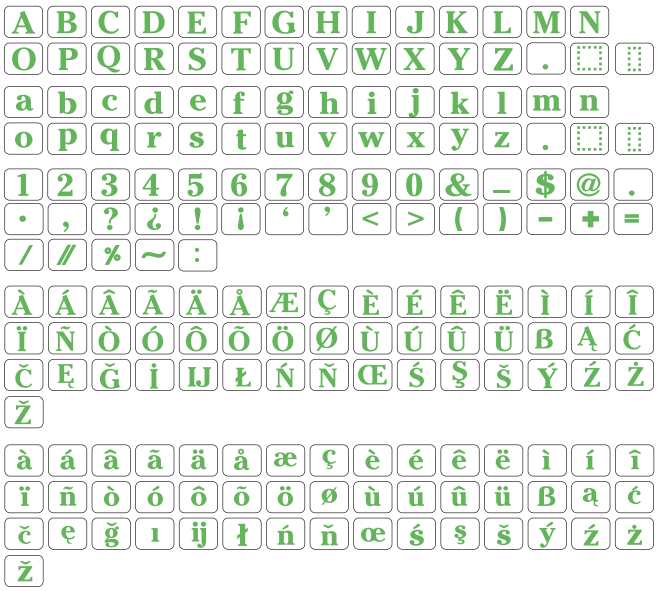
Script



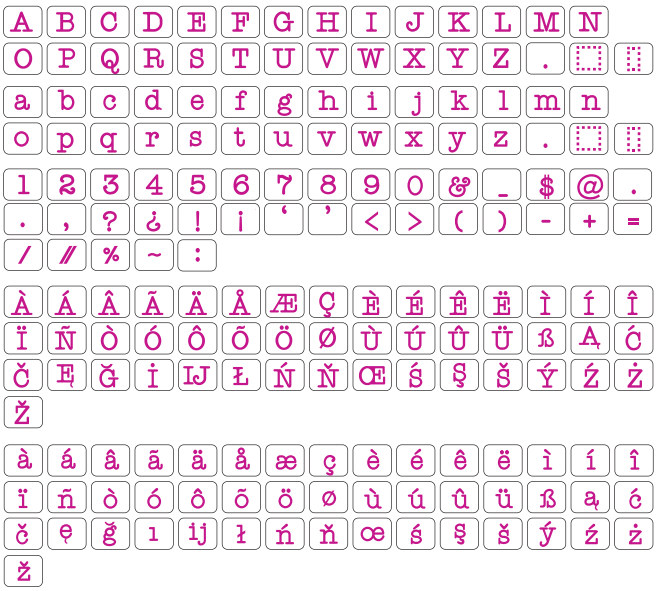
Galant



Cheltenham



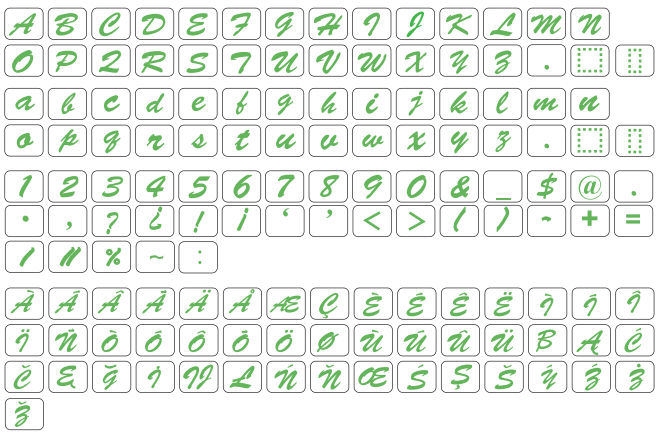
Typist



DESIGN CHART

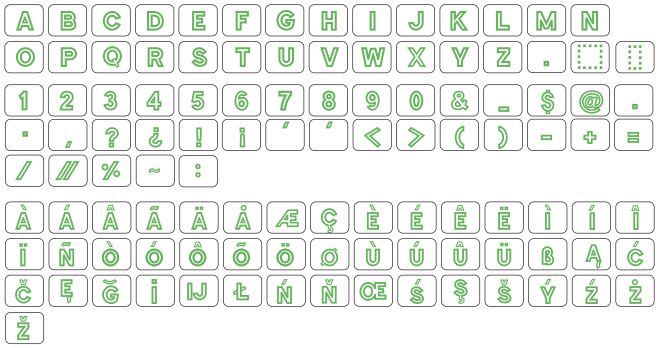
Embroidery Monogram

Brush

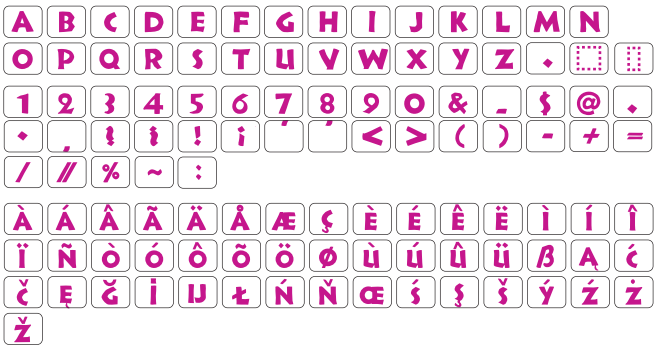


First Grade

Hollowblock



Jupiter

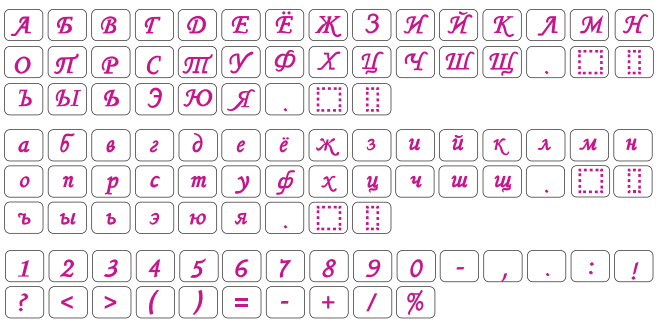


Micro Gothic

Cyrillic 1

Cyrillic 2

Cyrillic 3



DESIGN CHART
Embroidery Monogram

Border

Normal Sew

2-Letters

3-Letters

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