

# AIR ARTIST

## wireless embroidery



*General Embroidery*  
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## Q1 NEEDLE

### Q1-1

What Kind of needle should I use?

### A1-1

The blue tip needles (Part #813404013) that come with the embroidery machine is recommended. You can also use Organ needle HA x 1 #11, HA x 1SP #11. Contact the store from which the machine was purchased for more details.

## Q2 THREAD

### Q2-1

What kind of thread should I use for the needle thread (upper thread)?

### A2-1

JANOME Polyester, FUJIX KING STAR Polyester, Gutermann SULKY Rayon, Isacord Polyester, MADEIRA Rayon, Mettler Poly sheen, Robison-Anton Polyester, Robison-Anton Rayon and Wonderfill Splendor Rayon are recommended.

**AVOID USING LOW QUALITY THREADS. USING THOSE THREADS MAY CAUSE POOR EMBROIDERY RESULTS AND ISSUES WITH THE MACHINE.**

### Q2-2

What kind of thread should I use for the bobbin thread (lower thread)?

### A2-2

#90, 205 (dtex), 185(D) 100% Polyester spun thread is recommended.

**Use the thread described above for the bobbin thread to achieve the best result.**

### Q2-3

How should I trim the needle thread (upper thread)?

### A2-3

Trim the needle thread as close to the end of the stitch as possible. You do not have to cut the short jump threads on embroidery designs.



**Jump thread are the threads left when the machine finishes one shape and starts a new one.**

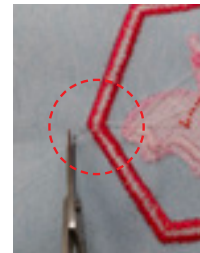
### Q2-4

How should I trim the bobbin thread (lower thread)?

### A2-4

Leave approximately 1 cm (3/8") tail on the bobbin thread.

**Knot the end of threads or use a glue to prevent fraying.**

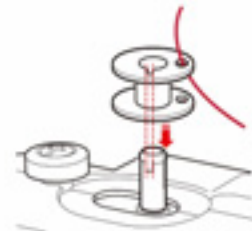


### Q2-5

How should I wind the bobbin evenly?

### A2-5

Align the slit of the bobbin and the small projection on the bobbin winder spindle when inserting the bobbin.



### Q2-6

What do I do if there is not enough thread on the bobbin?

### A2-6

Bobbin winding stops automatically after about 90 seconds. If the amount of the thread on the bobbin is not enough, press the start/stop button again to continue the winding. Press the start/stop button if the bobbin is wound enough. Once the bobbin is full, the machine will not allow you to continue winding.



## Q3 FABRIC

**Always test sew before starting embroidery.**

### Q3-1

**How should I embroider a towel?**

#### A3-1

Attach a water soluble embroidery Topping on the towel, and embroider.

Embroidering on the towel without using a water soluble embroidery Topping may cause a malfunction of the embroidery machine or fraying of the towel.

**Do not embroider on a highpile towel. The thickness of the towel should be about 0.3 cm (1/8in) or less.**

### Q3-2

**How should I embroider on denim?**

#### A3-2

Use a soft denim 12 ounces or less. Do not embroider over multiple denim layers.

### Q3-3

**How should I embroider on stretchy jersey or smooth knit fabric?**

#### A3-3

Attach a stabilizer on the wrong side of the fabric (refer to Q3-12).

Be careful not to attach the fabric too tight in the hoop.

**If the jersey or smooth knit on the hoop is too tight, the embroidery designs on the fabric will be distorted.**

### Q3-4

**How should I embroider minky and fleece?**

#### A3-4

Brush the fibers or pile in one direction. Attach a water soluble topping on the fabric far, and embroider. Remove or soak the water soluble Topping after embroidery.

### Q3-5

**How should I embroider on fine fabric such as organza?**

#### A3-5

Using a water soluble stabilizer is recommended. Attach a water soluble stabilizer on the fine fabric and embroider. Test sew and tighten the needle thread tension dial as necessary.

In general, embroidery on fine fabrics is challenging. In some cases, it may not produce an attractive result and another fabric should be considered for your project.

### Q3-6

**How should I embroider a fabric that is hard to attach to the hoop?**

#### A3-6

Float the fabric. Refer to Q3-9.

### Q3-7

**How should I get rid of the hoop marking on a fabric?**

#### A3-7

Iron the fabric after the embroidery. Use a floating fabric technique for fabrics that cannot be ironed.

### Q3-8

**How should I embroider the edge of fabric?**

#### A3-8

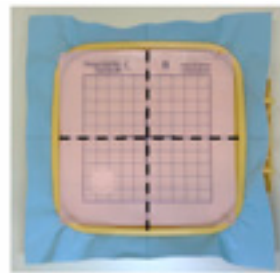
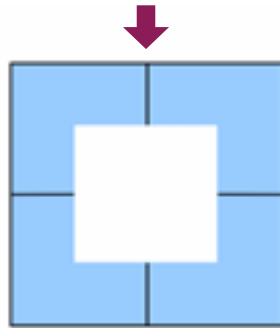
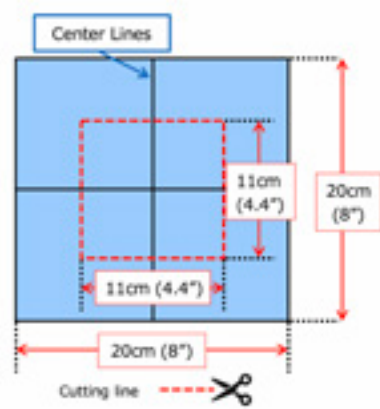
Float the fabric. Refer to Q3-9.

### Q3-9

**How should I float fabric for embroidery?**

#### A3-9

Some heavy fabrics like terrycloth or thin fabrics may not fit in the hoop correctly. The best way to handle fabrics that cannot be hooped is to "float" them. Cut a sheet of sticky back stabilizer 2" larger than the hoop then hoop it with the paper side facing UP. Using a needle, lightly score the paper in a square about 1" inside the hoop. Remove the paper in that square revealing the sticky surface. Now you should be able to adhere that surface to the wrong side of your fabric. Attach hoop to the machine as you normally would. See diagram on page 5.



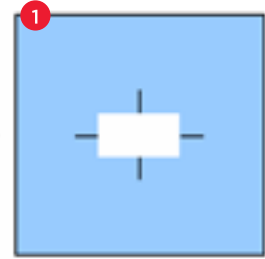
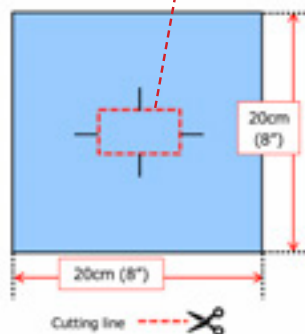
Embroidery fabric

**Q3-10**  
How should I embroider a small fabric?

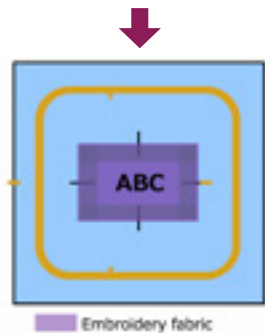
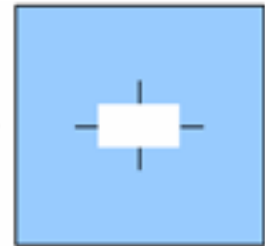
**A3-10**  
You should float the fabric similar to (Q3-9).

**1** Score the paper on the sticky stabilizer just a little smaller than the embroidery fabric.

Cut out a square hole 1cm (3/8 inch) smaller than the embroidery fabric.



**2** Draw the centerlines on the paper of the stabilizer, and attach the fabric to the stabilizer matching the positioning lines of the hooping fabric.



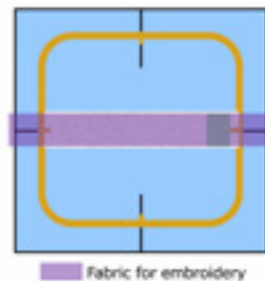
Embroidery fabric

**Q3-11**  
How should I embroider a narrow piece of fabric?

**A3-11**  
You should float the fabric similar to (Q3-9).

**1** Score the paper on the sticky stabilizer just a little smaller than the embroidery fabric.

**2** Attach the embroidery fabric to the stabilizer.



Fabric for embroidery



**Q3-12**  
How should I use a stabilizer?

**A3-12**  
To create the best quality embroidery, attach a stabilizer to the wrong side of the fine fabric. Stabilizer usage varies depending on the fabric.

Refer to the following chart.

**Iron-on**

- Adhere with an iron to the wrong side of the fabric.
- Nonwoven type: Remove the nonwoven type after the embroidery.
- Woven type: Use the woven type if it is not necessary to remove the stabilizer.

**Water-soluble stabilizer**

- Use water-soluble when you do not want to leave the stabilizer. Prepare a washable fabric. Wash the fabric once after embroidery.

**Water-soluble topping**

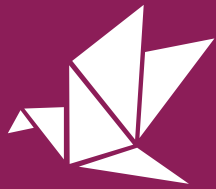
- A water-soluble topping is not a stabilizer.
- Place the water-soluble topping on the fabric when embroider towel, microfiber or fake fur fabrics.

**USING STABILIZERS**

FABRIC	RIGHT SIDE	WRONG SIDE		WATER-SOLUBLE STABILIZER
	WATER-SOLUBLE TOPPING	IRON ON* NONWOVEN TYPE	WOVEN TYPE	
FELT	Not necessary	✓ (Recommended)	✓	✓ Do not use on wool
TOWEL MICROFIBER	✓ (Recommended)	✓ <sup>**</sup> (Recommended) Do not attach		✓
FAKE FUR	✓ (Recommended) Remove without soaking	✓ (Recommended) Do not attach	✓ Do not attach	✓
FINE FABRICS (Organdy, etc.)	✓	✓ Do not attach. Remove it carefully.		✓
ORDINARY FABRIC (Cotton, etc.)	Not necessary	✓	✓	✓
STRETCH FABRIC (Jersey, smooth knit, etc.)	✓	✓	✓ Will not stretch or shrink	
			Do not use stretch stabilizer	

\*To attach an iron-on stabilizer, refer to the stabilizer manual.

\*\*Attaching stabilizers to a towel or microfiber may damage the fabrics when removing. Hooping fabric is recommended for towel and microfiber fabrics.



## Q4 OTHER FAQ

### Q4-1

I want better looking finish on the rear side of the embroidery design.

### A4-1

Use the same thread for the needle and bobbin threads.

### Q4-2

Will there be any more designs with this machine?

### A4-2

New designs are added from time to time. Check back frequently for the latest!

### Q4-3

How should I adjust the position of the hoop?

### A4-3

Press the jog buttons on top of the machine to adjust the position of the hoop.

### Q4-4

How long does it take to finish an embroidery design?

### A4-4

The embroidery machine sews 1000 stitches in 3 to 4 minutes. (The time for changing thread is not included.)

### Q4-5

How can I combine the embroidery designs to make a larger design?

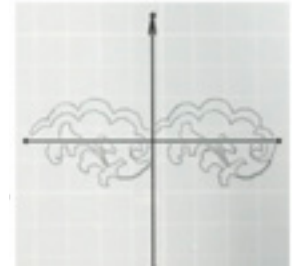
### A4-5

You can connect embroidery designs by using a template and template sheets.

### Example: How to Connect the Border Designs Horizontally

1 Print out the template sheet from the on-line help. Cut the template sheet to the size of the design.

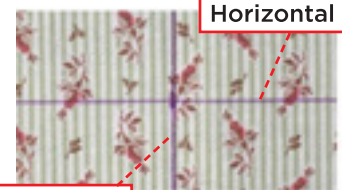
**Print the template sheet at "Actual size". Use a semi-opaque paper for the template sheet.**



2 Draw a horizontal line on the fabric where the center of the design will be.

3 Align the horizontal line on the fabric with the horizontal line on the template sheet, and mark the end points for a vertical line. Connect the points to draw the vertical line.

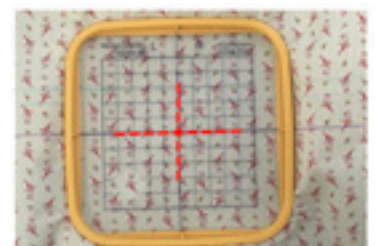
**A water-erasable marker works best.**



Horizontal Line

Vertical Line

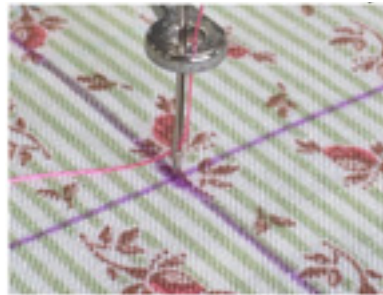
4 Match the center lines of the fabric and the center lines of the template sheet, and attach the fabric to the hoop.





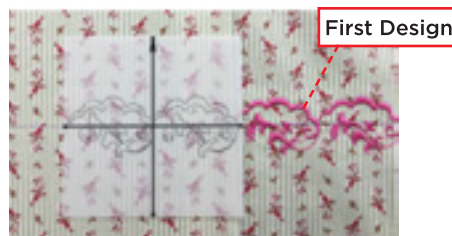
- 5 Attach the embroidery hoop to the machine and adjust the hoop position so that the needle drops at the intersection of the center lines.

Raise the needle before pressing jog keys.

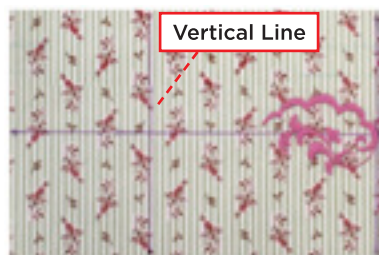


- 6 After finishing the first design, remove the embroidery hoop from the machine and remove the fabric from the hoop.

- 7 Place the template sheet to connect the designs. Mark the end points of the vertical center line for the second design.



- 8 Draw the vertical line as described in step 3.



- 9 Match the center lines on the fabric to the center lines on the template sheet, and attach it to the hoop as described in step 4.

- 10 Attach the embroidery hoop and adjust the hoop position so that the needle drops at the intersection of the center lines as described in step 5.

- 11 After finishing the second design, remove the embroidery hoop from the embroidery machine and remove the fabric from the hoop.

- 12 Repeat steps 7 to 11.



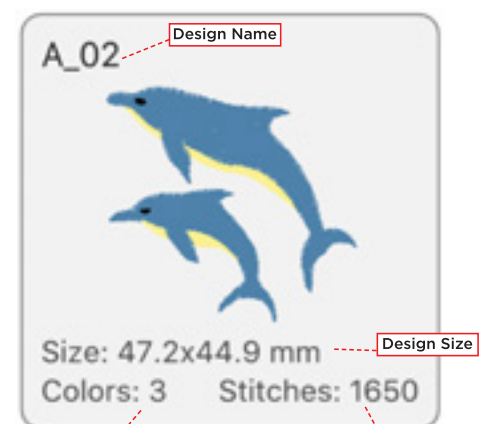
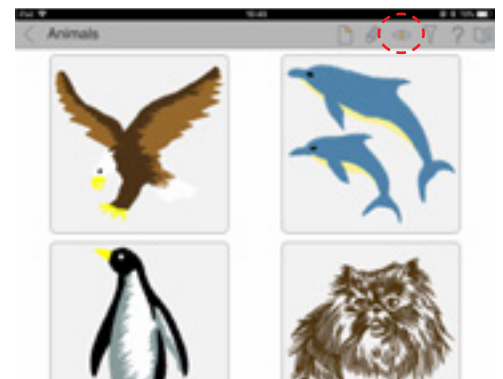
#### Q4-6

How should I check the size and the number of colors for the embroidery design?

#### A4-6

You can check the size of the embroidery design, the number of colors and the number of total stitches on the app "dot Customizer". You can also check the design size by printing the template sheet at its actual size.

Tap the  icon on Collection Selection screen.



Number of Colors

Total Stitch Number

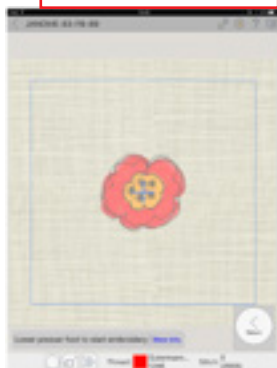


## Q4-7 How can I check the next thread color?

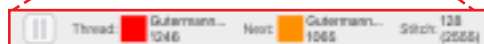
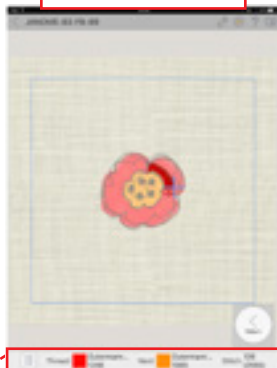
**A4-7**  
You can check the color of thread  
on the “Real-time screen” in the “dot  
Customizer” app.

- 1 The confirmation screen appears  
when embroidery data is sent to the  
embroidery machine.
- 2 You can check the current sewing  
situation, current color and next color.

Confirmation Screen



Real-Time Screen



You can display the real-time  
screen by tapping the icon on the  
lower right corner.