Ham radio with headphones and Morse key

Sized for a 6 inch hoop (15 cm). The stitched design is about 4.7 × 4.7 in (11.9 × 11.9 cm).



Which color goes where: by number on page 2.
Fabric: sage green cotton or linen.

Stitch in this order

Filled parts from the back of the picture forward, then lines and raised parts.

1. **Satin stitch**, strands by part on page 2
   Border band, Morse dashes, Morse dots, border diamonds, table edge, table front, feet, receiver top, receiver case, receiver face, and 30 more
2. **Long and short stitch**, 2 strands
   Tabletop
3. **Stem stitch**, strands by part on page 2
   Border rings, table lines, plank seams, receiver lines, cords, log pad lines, key lines
4. **Straight stitch**, strands by part on page 2
   Dial ticks, dial needle, knob pointers, pencil, knob light
5. **Back stitch**, 2 strands
   Log pad rules

Floss

- **1 DMC 3808 Ultra Very Dark Turquoise**
  Border band, receiver case, key base and speaker slots
- **2 DMC 3799 Very Dark Pewter Gray**
  Receiver lines, border rings, key lines, table lines and headband and 11 more parts
- **3 DMC 712 Cream**
  Receiver face, Morse dashes, speaker slats, log pad, knob pointers and knob light
- **4 DMC 742 Light Tangerine**
  Dial glow, Morse dots, border diamonds and key plate and 8 more parts
- **5 DMC 435 Very Light Brown** Tabletop
- **6 DMC 3827 Pale Golden Brown** Table edge
- **7 DMC 433 Medium Brown**
  Table front and plank seams
- **8 DMC 597 Turquoise**
  Control strip, receiver top, log pad band and log pad rules
- **9 DMC 782 Dark Topaz**
  Dial rim, key lever and starbursts (darker)
- **10 DMC 744 Pale Yellow**
  Key lever (lighter), tuning window, dial heart and key spring, pencil (lightest)
- **11 DMC 920 Medium Copper**
  Ear cushions, headband padding, starburst hearts and dial needle, pencil (dark)
- **12 DMC 415 Pearl Gray** Headband light

Stitches, continued

6. **Bullion knot**, 4 strands
   Key spring

Three ways to transfer the pattern

1. **Fabric you can see through**
   Tape page 3 to a sunny window or lay it on a light box, tape the fabric over it and trace the lines with a sharp pencil or a water-soluble pen.
2. **Fabric you cannot see through**
   Lay dressmaker's carbon paper colored side down on the fabric with page 3 on top, tape the layers and trace the lines firmly with a ballpoint pen.
3. **Iron-on: the lines stay**
   Go over the lines of page 4, the mirrored page, with an iron-on transfer pen, lay it ink side down on the fabric and press with a dry iron, as the pen's packet says.

Pages 3 and 4 are the pattern at actual size. Print them at 100% with scaling turned off. Then put the fabric in the hoop: inner ring under, drawing up, tight as a drum.

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6 inch hoop

How to read it

Floss is six strands. Cut 18 inches (45 cm), pull out the number given one at a time, and lay them together.

Inside a filled shape start with two or three tiny stitches, which the filling covers. Start a line with a small knot on the back. End each thread by running the needle under the backs of a few stitches.

A number on the picture is a color of the list of floss on page 1. The fine lines on the colors show which way the stitches lie.

Every stitch in pictures: flossfield.com/embroidery/stitches. The first time: flossfield.com/embroidery/guides/how-to-start.



1	DMC 3808 Ultra Very Dark Turquoise	**5**	DMC 435 Very Light Brown	**9**	DMC 782 Dark Topaz
2	DMC 3799 Very Dark Pewter Gray	**6**	DMC 3827 Pale Golden Brown	**10**	DMC 744 Pale Yellow
3	DMC 712 Cream	**7**	DMC 433 Medium Brown	**11**	DMC 920 Medium Copper
4	DMC 742 Light Tangerine	**8**	DMC 597 Turquoise	**12**	DMC 415 Pearl Gray

How many strands

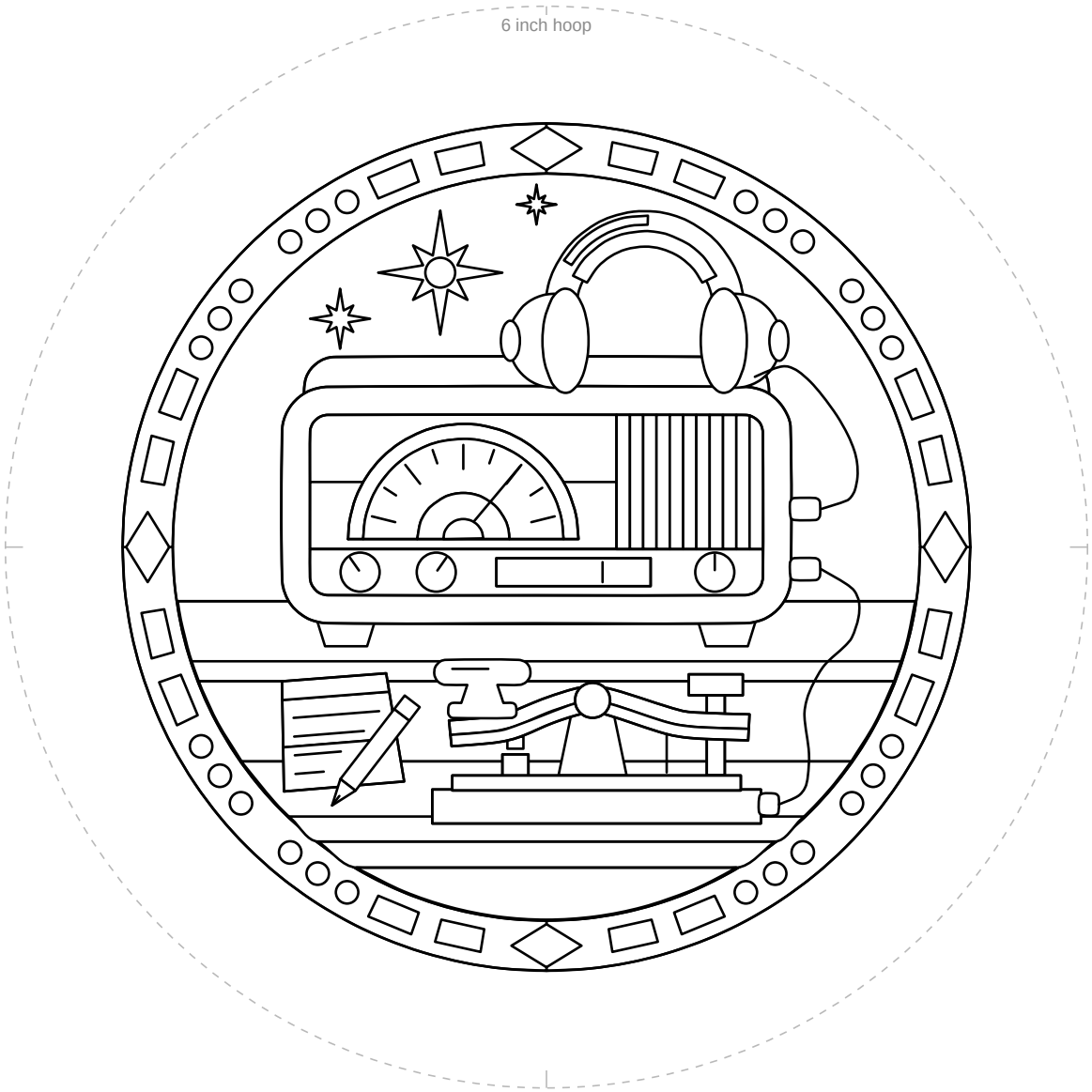
Satin stitch. 3 strands: border band, table edge, table front, receiver top, receiver case, receiver face, control strip, log pad, key base; 2 strands: Morse dashes, Morse dots, border diamonds, feet, speaker slats, speaker slots, dial rim, dial glow, dial heart, dial hub, knobs, tuning window, jacks, sliders, headband, headband padding, headband light, ear cups, ear caps, ear cushions, log pad band, pencil, contact screw, adjusting screw, key post, key plate, key lever, pivot, key knob, starbursts, starburst hearts.
Stem stitch. 3 strands: cords; 2 strands: border rings, table lines, receiver lines, log pad lines, key lines; 1 strand: plank seams.
Straight stitch. 4 strands: pencil; 3 or 4 strands: dial needle; 3 strands: knob pointers, knob light; 2 strands: dial ticks.

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6 inch hoop

Print at 100% and check the square below with a ruler. Fold the fabric in four: the folds meet the four ticks of the ring.



1 in
25.4 mm

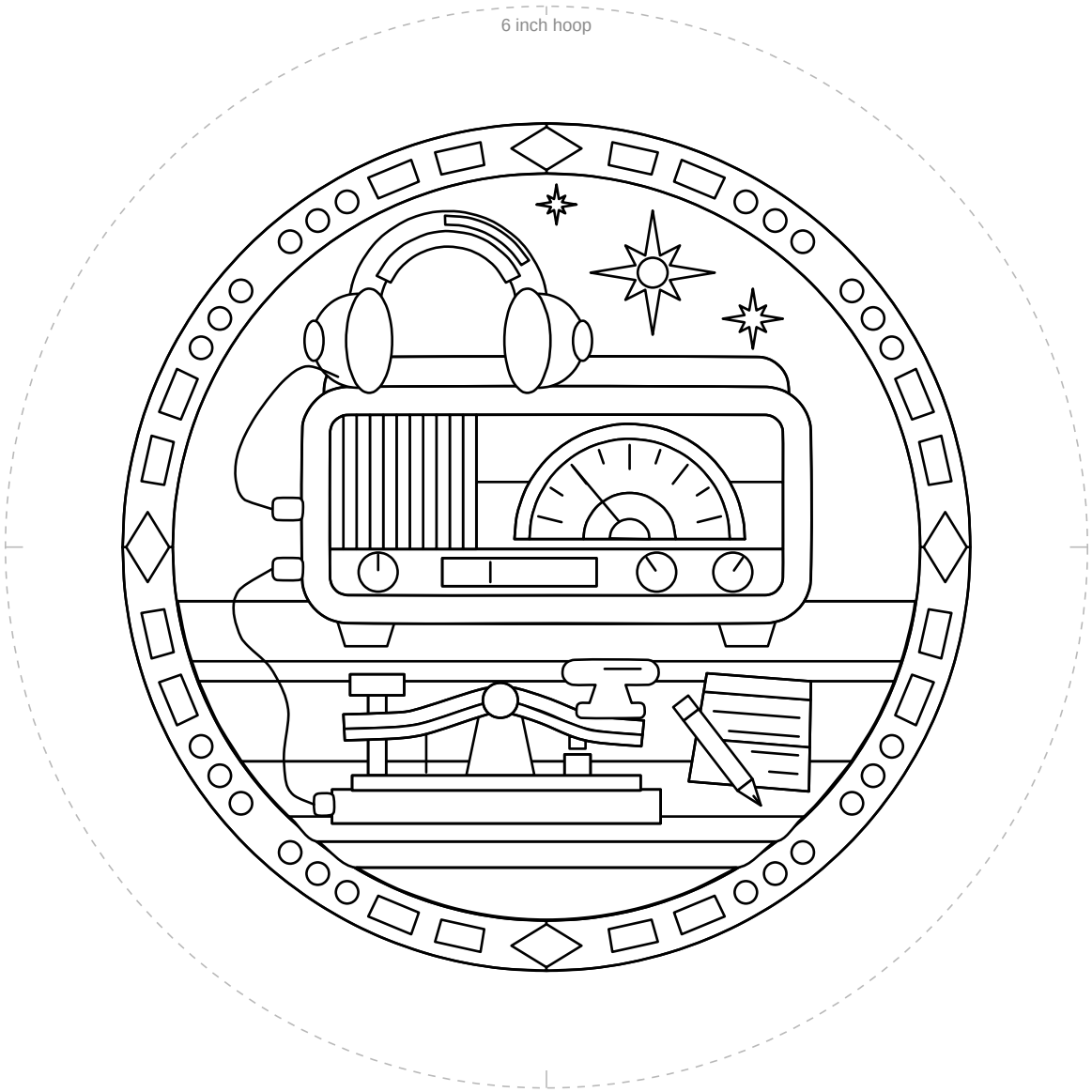
Check square: 1 inch (25.4 mm) on each side.
If it measures anything else, print again at 100% with scaling off.

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6 inch hoop

Mirrored. Trace this page with an iron-on transfer pen or pencil, then press it ink side down on the fabric.



1 in
25.4 mm

Check square: 1 inch (25.4 mm) on each side.
If it measures anything else, print again at 100% with scaling off.

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