Koala

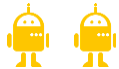## Idee

Code a Koala for you and your friends. Stitch it as key chain or onto a T-Shirt. You can also get the Koala with different colors due to the use of multiple objects.

What's new?

- Loops (circles & circle parts)
- Use of multiple objects

51x88mm

Level: 🤖🤖

1 How to install "Embroidery Designer"

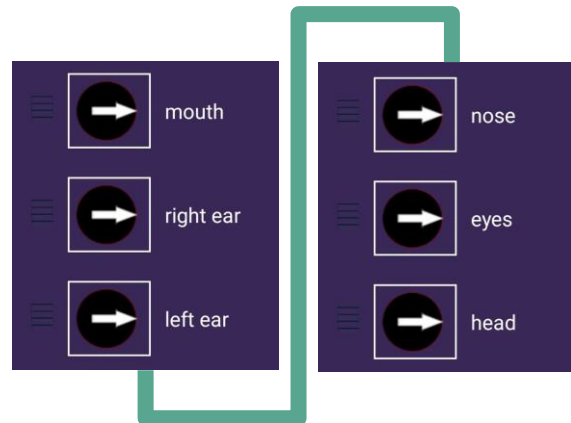Install „Embroidery Designer" from Google Play Store

2 Create an empty project

If you have never created a new project in embroidery designer, please follow this QR Code. (link)

For help by handling embroidery designer (link)

3 Needed objects

mouth	nose
right ear	eyes
left ear	head

4 Koala's head

```
When scene starts

Place at  X: -1.5  Y:  0

Start zigzag stitch with length  2
and width  25

Repeat  360  times

Move  2  steps

Turn right  1  degrees

End of loop
```

5 — mouth

```
When scene starts
Point in direction  222  degrees
Place at  X:  40   Y:  -180
Start triple stitch with length  5
Repeat  30  times
    Turn right  3  degrees
    Move  3  steps
End of loop
```

6 — right ear

```
When scene starts
Place at  X:  85  Y:  -20
Start zigzag stitch with length  2  and width  25
Point in direction  60  degrees
Repeat  48  times
    Move  7  steps
    Turn right  5  degrees
End of loop
Point in direction  130  degrees
Repeat  45  times
    Move  3  steps
    Turn right  -5  degrees
End of loop
```

7 — left ear

```
When scene starts
Place at  X:  -85  Y:  -20
Start zigzag stitch with length  2  and width  25
Point in direction  -60  degrees
Repeat  48  times
    Move  7  steps
    Turn right  -5  degrees
End of loop
Point in direction  -130  degrees
Repeat  45  times
    Move  3  steps
    Turn right  5  degrees
End of loop
```

8 — nose

```
When scene starts
Point in direction  0  degrees
Place at  X:  -35  Y:  -120
Start zigzag stitch with length  2  and width  3
Repeat  36  times
    Move  3  steps
    Turn right  5  degrees
End of loop
Change Y by  -20
Point in direction  180  degrees
Repeat  36  times
    Move  3  steps
    Turn right  5  degrees
End of loop
Change Y by  20
```

9 — eyes

```
When scene starts
Place at  X:  -60  Y:  -70
Start zigzag stitch with length  2  and width  3
Repeat  360 ÷ 5  times
    Move  2  steps
    Turn right  5  degrees
End of loop
Stop current stitch
Place at  X:  60  Y:  -70
Start zigzag stitch with length  2  and width  3
Repeat  360 ÷ 5  times
    Move  2  steps
    Turn right  5  degrees
End of loop
```

How to send pattern to embroidery machine ([link])