EdMat printing and lamination instructions

DO NOT PRINT THIS PAGE

❗ Printers, please note the following!

Document name: EdMat-Edison-Activity-Mat-Colour

Dimensions: A1 size (59cm x 84cm) (23.2in x 33.1in).
Print only at this size.

Paper requirements: minimum 150GSM or thicker paper. No glossy, or semi-glossy paper. If paper is coated, only use matte finish. Do not use glossy or semi-glossy finish. (NOTE: 200GSM or thicker paper with a matte finish is recommended for best durability.)

Lamination requirements: Lamination is optional. Only use a matte finish laminate, if laminating.

Additional information about the EdMat

- A glossy surface, including glossy lamination and glossy finish paper, will affect the Edison robot's sensors and may cause errors. Please ensure you use a matte finish if laminating the EdMat.

- Only print the EdMat on uncoated paper or select matte finish if printing on coated paper.

- If the barcodes are printed on thin paper, the Edison robot's line tracker may pick up dark surfaces from underneath the paper, which can interfere with the barcode scanning. Be sure to print the EdMat on 150GSM or thicker paper. 200GSM or thicker paper with a matte finish is recommended for best durability.

- Do not change the size of the barcodes before printing them. Shrinking or enlarging the barcodes may prevent the Edison robot from reading the barcodes correctly.

- Printing and laminating EdMats in bulk? It is highly recommended that you first print and finish a single EdMat to the specifications you will be using, test the EdMat using an Edison robot and confirm that the robot can read the barcode 'Follow a line' and successfully run that program on the EdMat to ensure the paper and finish combination work.

- Additional information can be found at www.meetedison.com/edmat/

Edison

meetedison.com

Sumo wrestle

Use with multiple Edison robots. Each robot will seek out its opponent and push it out of the track borders.

Bounce in borders

Edison will stay inside the track borders.

Clap controlled driving

One clap: Edison will turn.
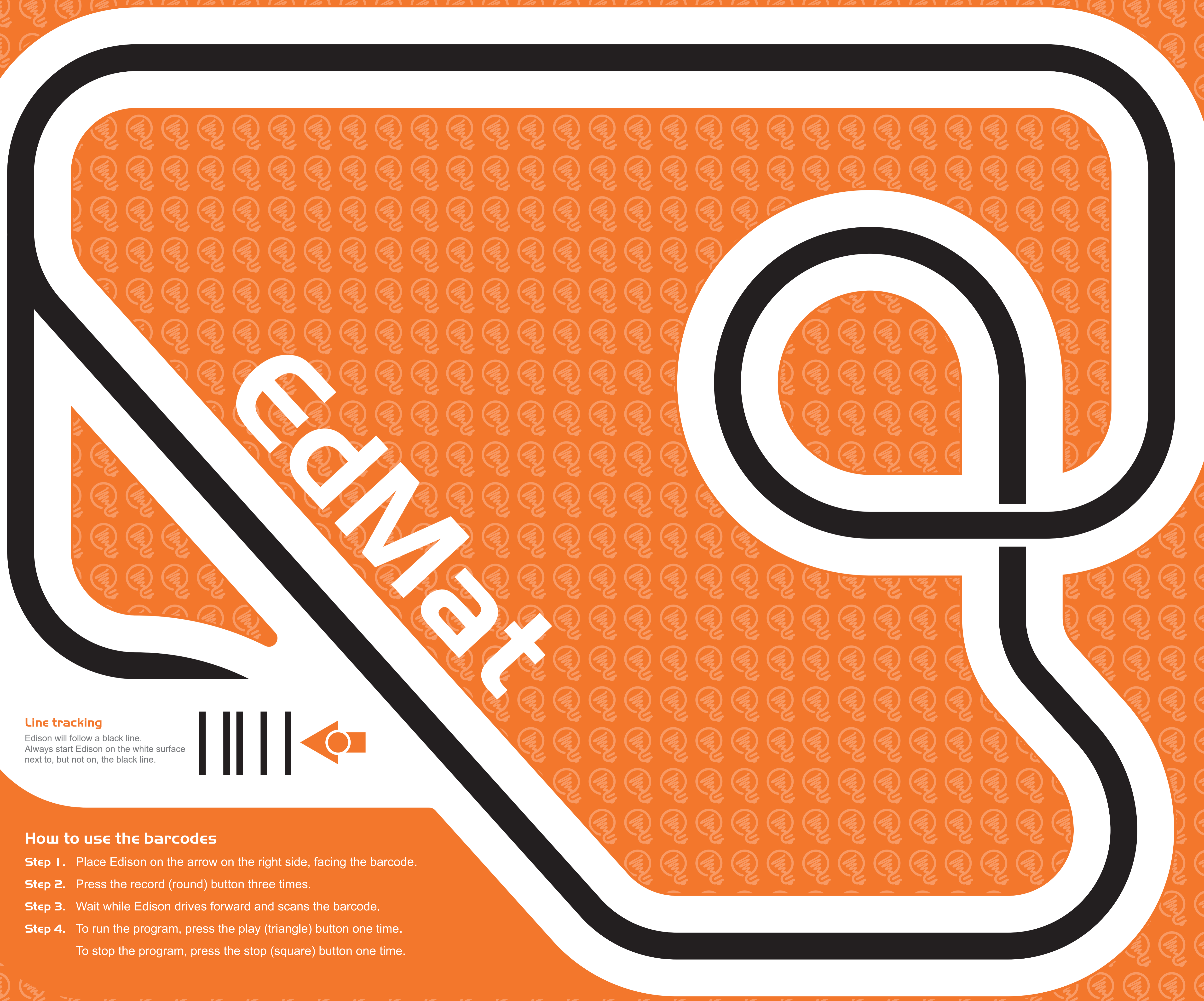Two claps: Edison will drive forward.

Avoid obstacles

Edison will use infrared light to detect and avoid obstacles in its path.

Follow torch

Use a torch/flash light to guide Edison.

EdMat

Line tracking

Edison will follow a black line.
Always start Edison on the white surface next to, but not on, the black line.

How to use the barcodes

Step 1. Place Edison on the arrow on the right side, facing the barcode.

Step 2. Press the record (round) button three times.

Step 3. Wait while Edison drives forward and scans the barcode.

Step 4. To run the program, press the play (triangle) button one time.

To stop the program, press the stop (square) button one time.