



## Pet Door with 4-Way Latch & Magnetic Door Return V1



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### Summary

Pet door that you can set to fully-open, fully-locked, in-only, or out-only. Magnets ensure the door always closes fully

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**NEW AND IMPROVED MODEL:** [Pet Door with 4-Way Latch & Magnetic Door Return V2](#) by jabbanman | [Download free STL model](#) | [Printables.com](#)

Inspiration comes from <https://www.thingiverse.com/thing:4166823>

### Features:

- 4-way selection knob to set 1) both ways open 2) both ways closed 3) exit only, and 4) enter only
- Magnets inside the frame/door to fully close the door and prevent gusts of wind from blowing the door open
- Water resistant with an outside drain hole from the latch mechanism cavity
- Designed for a 16mm thick wall (I purchased a shelf from Home Depot and put it vertically into a sliding door track)

## Printed Materials:

- 1 x Frame\_Outside
- 1 x Frame\_Inside
- 1 x Door\_A
- 1 x Door\_B
- 2 x Latch
- 1 x Shaft
- 2 x Dial

## Purchased Materials

- 4 x M3x8 up to M3x14
- 2 x M3x12 up to M3x16
- 6 x M3 square nut
- 40 x 4.8x9.5x2.8mm magnet
- 2 x Bic Ball Point Pen Spring
- 1 x 138x138x2.8mm acrylic sheet

## Model files



**frame\_outside-v34.stl**



**frame\_inside-v5.stl**



**door\_a-v14.stl**



**door\_b-v19.stl**



**shaft-v14.stl**



**latch-v13.stl**

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**dial-v7.stl**

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**frame\_outside-v34.f3d**

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**frame\_inside-v5.f3d**

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**door\_a-v14.f3d**

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**door\_b-v19.f3d**

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**shaft-v14.f3d**

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**latch-v13.f3d**

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**dial-v7.f3d**

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