

The Ultimate Dog Door, version 3.0

Opening/closing the door

Main Path

1. The owner's dog barks to be let out.
2. The bark recognizer "hears" a bark.
3. If it's the owner's dog barking, the bark recognizer sends a request to the door to open.
4. The dog door opens.
5. The owner's dog goes outside.
6. The owner's dog does his business.
 - 6.1. The door shuts automatically.
 - 6.2. The owner's dog barks to be let back inside.
 - 6.3. The bark recognizer "hears" a bark (again).
 - 6.4. If it's the owner's dog barking, the bark recognizer sends a request to the door to open.
 - 6.5. The dog door opens (again).
7. The owner's dog goes back inside.
8. The door shuts automatically.

Alternate Paths

- 2.1. The owner hears her dog barking.
- 3.1. The owner presses the button on the remote control.
- 6.3.1. The owner hears her dog barking (again).
- 6.4.1. The owner presses the button on the remote control.

the (owner's) dog

the owner

the button

bark recognizer

request

inside/outside

dog door

remote control

bark

Here are all the nouns we circled in the use case.