

## Installing the SureFlap Microchip Pet Door in wooden doors, plastic doors, or plasterboard walls

DIY installation may involve the use of power tools or cut glass. Safety equipment (gloves, eye protection, etc.) should be used and if in doubt consult a professional to carry out the installation.

### *Suitable door types*

Instructions are provided for installation in all door types, including wooden, plastic, glass, and metal. **Before installing in a door with unknown construction please check for a metal plate in case a larger hole is required, as described in the metal door installation section. If you can only be sure of the construction of the door by drilling a hole in it, make a trial hole anywhere covered by the proposed hole for the SureFlap Microchip Pet Door.**

### *Pet door positioning*

The ideal height of the SureFlap Microchip Pet Door is such that the base of the tunnel is the same height above the ground as your pet's stomach. In practice however, mounting is normally dictated by features in the door into which the unit will be installed. In these circumstances, it is usual to mount the pet door as low as possible.

1. Place the external frame face down as in Figure 1. Attach a ball of Blu Tack (or similar adhesive putty) in each of the four corners. These should allow you to stick the frame to most doors.
2. Choose the position on the door at which you want to mount the pet door and stick the frame to the door. To ensure that it is level we recommend you use a spirit level as shown in Figure 2.
3. Run a sharpened pencil or pen around the inside edge of the frame where it would touch the door and also mark the four screw holes. You need to make a legible line as this will be used for cutting against.
4. Remove the frame from the door and check you have a solid line and dots where the screw holes are, as in Figure 3. Using a drill with a 6mm (0.25") diameter bit, drill the holes for the screws. It is vital these holes are drilled straight to ensure the two halves of the pet door connect properly.
5. Before you cut out the hole for the tunnel drill holes in all the corners large enough to allow your jigsaw blade through, see figure 4. Cut out the tunnel hole with an electric jigsaw – ensure you cut 2mm (0.078") outside the line you have marked for the hole to allow enough clearance for the tunnel, see Figure 5. Make sure that your jigsaw is sitting flat on the door at all times while cutting.
6. Clean off any loose debris, dust and dirt from the door before you install the SureFlap Microchip Pet Door.
7. Mount the pet door in the hole with the main assembly (battery covers and LCD screen) **inside the house**. See Figure 6.
8. Mount the external frame on the **outside of the house**. Depending on the thickness of the door, the tunnel will protrude through the frame by differing amounts. **Under no circumstances should you cut or drill through the tunnel as this contains the microchip reader and will prevent the unit from working properly.** Three different lengths of screw have been provided for your use. Choose the correct screw length to suit the thickness of your door. If you are not sure, use the smallest first, if this is too short use the next size up. Take care not to use a longer screw than needed, as this may damage the main assembly front face. Screw the external frame to the main assembly. See Figure 7.
9. When the pet door has been mounted correctly, place the screw caps over the screw holes on the external frame. Align the screw caps with the slot pointing outwards and push firmly into place. See Figure 8. To remove the screw caps slide a flat blade screwdriver into the side slot and lever the cap out of the hole.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8

## Installation in metal doors

The presence of a metal plate in a door can influence the performance of the SureFlap Microchip Pet Door, reducing the range of the microchip reader. This includes the following:

- Metal skin doors
- Security doors
- Metal garage doors
- UPVC coated metal doors

For most situations you will not notice anything, as the read range will still be sufficient for the majority of microchips and collar tags. However, if you experience intermittent operation or failure to open for your pet, first check for the presence of a metal plate in the door. Note that UPVC coated metal doors often look the same as standard UPVC doors and you may need to look carefully where the panel has been cut. If a metal plate or thin metal foil is confirmed, follow the instructions below for improved read range.

If there is metal present you will need to cut a larger hole in your door – leaving a gap of 2-3cm (1-1.2”) between the tunnel of the SureFlap and the metal in your door. To begin with trace around the outer edge of the back frame as a size guide as shown in figure 9. Now mark your cutting line 1cm (0.3”) inside the line you have traced around the back frame, leaving the screw holes in place as shown in figure 10. Cut this hole and reinstall your SureFlap Microchip Pet Door.

If you still experience intermittent operation you will need to increase the size of the hole again, in this case you will require the mounting adaptor (Product Code: GMA101). For details of where to purchase this adaptor see our website [www.sureflap.co.uk](http://www.sureflap.co.uk).

First trace around the circumference of the mounting adaptor as a guide. Now mark a circle approximately 2cm inside the line from the mounting adaptor, again leaving the indentations for the screw holes. Cut this hole and then reinstall the pet door again. This will extend the read range further and should resolve any issues with mounting in a metal door.



Figure 9



Figure 10

