kittgflop®

EN | Operating instructions

KittyFlap[®] SERIES 2023.01.005





🚟 EN

Second Congratulations on the purchase of your new KittyFlap® cat flap with prey detection!

We would like to congratulate you for choosing the KittyFlap cat flap - a product that will elevate not only your cat's life, but also your home to a new level of convenience, safety and control.

With the KittyFlap cat flap, you have not only acquired an innovative way to let your cat in and out of the house, but you also have in your hands an intelligent solution specifically designed to make coexistence between humans and cats more harmonious and less complicated.

In this manual we will explain step by step how to set up and use the KittyFlap cat flap in the best way to get the most out of this product. You will learn how to create individual access profiles for your cats, remotely control the flap, activate prey detection and much more.

The prey detection works with artificial intelligence and is always learning. This means that the longer the KittyFlap is in operation, the better the prey detection becomes. Don't be disappointed if there is still prey at home from time to time in the beginning. The KittyFlap will quickly learn this and adjust to your cat. Learning, as with us humans, will never be complete.

We are convinced that you will be as excited as we are about the numerous features and benefits of the KittyFlap cat flap. It is designed to make your cats' lives more comfortable and safe, and to give you, the cat owner, more control.

We thank you again for your trust in our product and wish you and your furry friends a lot of joy and comfort with the KittyFlap cat flap.

Your KittyFlap Team



5 Table of contents

	•••••••••••••••••••••••••••••••••••••••	•••••
y	Product and manufacturer Product	5 5
	Manufacturer	5
g	About these operating	•••••
	instructions	5
	Purpose	5
	Availability	6
	Explanation of symbols	6
ឫ	Description of KittyFlap cat fl	ар 7
	Product description	7
	Scope of delivery	7
	Type of use	8
	Operating mode selection	8
	The KittyFlap App	8
	Optical display devices (LED)	8
	Malfunctions	9
	Nameplate	9
	Optional accessories	9
ឫ	Technical data	10
ឫ	RED instructions for electrical equipment (2014/53/EU, Article	ł
	10 (8)):	11
y	Safety instructions	12
	Intended use	12
	Application area	12
	Misapplication 🛛 🛚 🗤	12
	Cyber Security	13
	Residual 🗲 DANGER	13

	•••••••••••••••••••••••••••••••••••••••	••••
9	Mounting Basics	14 14
	Preparation for installation in the	
	window / glass	15
	Preparation for installation in a doc	r15
	Insert the housing	16
ឫ	Product Care, Cleaning &	• • • • •
	Maintenance	18
y	Storage and disposal	19
	Disposal instructions	19
	Disposal obligations	20
g	EU Declaration of Conformity	
3		
5	Liability	23
y	FAQ - Your questions. Our	
	answers	24

🚟 EN

9 Product and manufacturer

Product

This operating manual describes the following product: **KittyFlap cat flap with prey detection.**

KittyFlap cat flap narrow CH REF 4262430190041 KittyFlap cat flap medium CH REF 4262430190058 KittyFlap cat flap narrow EU REF 4262430190003 KittyFlap cat flap medium EU REF 4262430190010

Manufacturer



KittyFlap.ch GmbH Kastellstrasse 11 CH-8107 Buchs

E-Mail: info@kittyflap.ch **Internet:** www.kittyflap.com

S About these operating instructions

For a proper and safe use of the KittyFlap cat flap and to follow the descriptions and recommended actions in this operating manual.

Retain this manual for future reference until the KittyFlap cat flap has been disposed of.

Purpose

These operating instructions contain information on the safe, trouble-free and economical use of the KittyFlap cat flap.



Availability

The manufacturer of the KittyFlap cat flap makes these operating instructions or excerpts thereof available to persons who perform tasks with or in connection with the KittyFlap cat flap.

The operator keeps these operating instructions or excerpts thereof within easy reach in the immediate vicinity of the KittyFlap cat flap.

When the KittyFlap cat flap is given to another person, the operator passes on these operating instructions to that person.

Explanation of symbols

These operating instructions contain warnings of residual dangers.

The classification of the warnings is based on the severity of the damage that can occur if the warnings are ignored and the recommendations for action are not followed.

The following symbols are used in these operating instructions:

Symbol	Meaning
f DANGER	Warning of danger that can lead to serious or fatal physical injury. A lightning symbol also warns of dangers associated with electrical current.
A WARNING	Warning of influences that can lead to malfunctions, da- mage or destruction of the device.
NOTE	General or important note to ensure the functionality of the device.
M	Manufacturer
CE	CE marking
SN	Serial number
REF	ltem number

😹 EN

S Description of KittyFlap cat flap

This section contains information to help you understand the KittyFlap cat flap.

Product description

KittyFlap is a cat flap with prey detection via HD night vision camera and night vision IR spotlight. KittyFlap has 2 PIR motion detectors, 2 magnetic switches to control the entrance and exit. A built-in pet chip detection via RFID antenna, a built-in mini computer with Wifi 2.5 & 5 GHz and BlueTooth. KittyFlap comes with a separate power adapter that transforms from 220V to the necessary 12V.

- 1 HD camera
- 2 Night vision IR illuminator
- 3 Housing rear
- 4 Housing front
- 5 LED display

- 6 PIR Motion Detector
- 7 Moving Flap
- 8 Magnet
- 9 Switch Cable Guide

An illustration of the cat flap with the respective markings can be found on page 2.

Scope of delivery

The scope of delivery of the KittyFlap cat flap includes the following items:

Quantity	Description
1	Power adapter 220V incl. 2.5 m cable
1	Cat flap with prey detection
4	Mounting screws M5
1	Operating instructions
1	Drilling template
1	Quick Starter Guide
1	Packaging & inlay with valuable information
1	Android or iOS app in the respective store

🚟 EN

Type of use

The product is intended exclusively for use in the following types of use. The use for other types of use is not intended.

User groups

User environment

- Private users,
 e.g. cat owner
- $\cdot \;\;$ on covered areas and
- · in rooms closed on all sides

Operating modes for use

- · Automatic mode
- · Manual operation

Operating mode selection

The operating mode selection is controlled via the respective app.

The KittyFlap App

Experience a new dimension of cat flap use with the KittyFlap app. Enjoy more comfort, control and freedom of care for you and your furry family members. The functions of the app are constantly being expanded.

Optical display devices (LED)

The KittyFlap has a built-in LED. The different colors provide information about what the KittyFlap is doing or what it is missing.

LED display	Description
Blue, flashing, 1 second	Waiting for Blue Tooth connection with your smart phone
Blue, constant	Bluetooth connection is established
Green, flashing, 1 second	Connection with WiFi is established
Green, flashing, unchanged for 1 second	Could connect to WiFi, but could not establish an Internet connection
Green, lights up for 10 seconds	Connection with WiFi is established
Red, flashing, 1 second	Prey detected, access denied for 30 sec.
Red, Constant	KittyFlap starts, turns off when KittyFlap is active
Yellow, Constant	Self-test running, switches off when self-test ends or error is detected.

🚟 EN

Malfunctions

Problem	Remedy
Cat flap jams on entry / exit	he horizontal screws on the inside are too tight. Loosen the horizontal screws.
Animal chip is not read in	Restart the app. Look for metal nearby and remove it.
WiFi connection cannot be cannot be established	Make sure your network is encrypted with WPA2, the Kit- tyFlap is currently only compatible with WPA2 Personal.

Nameplate

The nameplate contains information to identify the KittyFlap cat flap:



Optional accessories

The following accessories are optionally available for the KittyFlap cat flap:

ltem no.	Product	Description
42624300190027		If the flap is ever extremely dirty, here's a replacement.

😹 EN

🖞 Technical data

This section contains technical data describing the KittyFlap cat flap.

Туре	Description
Animal chip reading unit:	RFID Reader LF 125-134kHz
Transponder Standard:	ISO11784/11785
Micro chip type:	FDX-B
Selective access:	Yes
Selective output:	From 2024
Number of animals supported:	infinite
Maximum shoulder width cat:	175mm
Thickness of the door / window:	20-70mm
Power adapter:	12V, 20Watt
Local CPU:	1.8GHz, 4 Core
Memory:	1GB
Local memory:	16GB
Wifi:	2.4GHz and 5GHz
Bluetooth:	Yes
Motion sensors:	2 piece
Camera:	5MP, incl. night vision
Infrared spotlight:	2 pcs. LED
Working temperature:	-20° to +50°
Place of manufacture (CO ₂ avoidance):	Switzerland and Germany
Mobile Phone Apps:	iOS and Android
Control:	via mobile app
Remote access:	Yes, from 2024
Standalone operation:	Yes, prey detection
CE conformity:	Υ
Power supply:	110-260 V ~ / 50-60 Hz
Energy:	In operation: 9-10 / Maximum: 15
Flap dimensions (WxH):	175x175mm
Weight without packing:	1.32 kg
Weight with packing:	1.83 kg



Туре	Description	
Standards		
Met technical standards:	IEC 62368-1:2018	
Met technical standards.	EN IEC 62368-1:2020+A11:2020	
Met EMF standards:	EN62311:2008, EN50364:2010	
	ETSI EN 300 328 V2.2.2 (2019-07)	
Met radio standards:	ETSI EN 300 330 V2.1.1 (2017-02)	
	ETSI EN 301 893 V2.1.1 (2017-05)	
	ETSI EN 301 489-1 V2.2.3 (11-2019)	
	ETSI EN 301 489-3 V2.1.1 (2019-03)	
Compliant with EMC standards	ETSI EN 301 489-17 V3.2.4 (2020-09)	
Complies with EMC standards:	EN 55014-1:2017/A11:2020	
	EN 55014-2:1997/A2:2008	
	ETSI EN 303 446-1 V1.2.1 (2019-10)	
Narrow version (For door leaf thickness 20-45mm)		
Frame dimensions (WxHxD)	285x275x116mm	
Medium version (For door leaf thickness 45-70mm)		
Frame dimensions (WxHxD)	285x275x91mm	

SED instructions for electrical equipment (2014/53/EU, Article 10 (8)):

Туре	Description
Transmission frequency:	Wifi: 2,4 GHz / 5 GHz
Max. Transmit power:	< 100 mW 20 dBm (2,4 GHz) < 200 mW 23 dBm (5 GHz)
RFID:	125-134 kHz
Max. Transmit power:	Field strength_10m: 65dBµA/m

😹 EN

Safety instructions

This section contains information on the protection of people, pets, livestock and the environment.

Intended use

The KittyFlap cat flap is intended for the following use only, any other use is not an intended use:

• Cat flap for installation in a door or window.

Application area

The KittyFlap cat flap is intended for use in the following applications, use in other applications is not as intended:

• Living area

Misapplication • NOTE

- The microcomputer controlled KittyFlap pet flap contains a sensitive radio receiver that receives signals from your pet's microchip. In rare cases, electronic interference may reduce the range of the system.
- Do not use the KittyFlap pet flap near other chip readers or similar low frequency devices. These have a particularly detrimental effect on performance and may prevent normal operation altogether.
- Fix obvious sources of interference such as faulty, flickering light bulbs.
- Avoid running or operating power cords and power supplies in close proximity to the KittyFlap pet flap.
- When laying the cable, make sure that you do not use any sharp objects or crush the cable. Use suitable cable rails to lay the cables.
- No strong magnets in the vicinity.
- Do not install in metal doors if the animal chip detection is to be used. Metal will affect the range of the animal transponder.
- Metal will affect the range of the animal transponder.
- Use only the supplied power adapter (model number MKE-1202000C14).
 We have deliberately avoided plastic in the packaging. Nevertheless, please make sure that no small parts can get near small children, otherwise there is a risk of suffocation.
- Note that for the power supply the plug is easily accessible.



Cyber Security

This section contains information about measures to ensure IT security. The KittyFlap regularly receives software updates, but for this it must have reception via WLAN. All incoming and outgoing channels are encrypted, data is deleted as soon as it is no longer needed. All software was tested by means of code analysis already during the creation and only released after reaching a high quality level. The KittyFlap environment is continuously monitored.

Residual ***** DANGER

- Only a qualified technician is allowed to make repairs to the device, power adapter or power cable and work on the power supply.
- Before installing the cat flap, it is extremely important to carefully check the planned installation site for possible electrical lines. We strongly recommend that you consult a professional to ensure that there are no power or data lines running in the area of installation.
- Please note that only the supplied power adapter may be used to operate the cat flap. The use of other adapters or power supplies may not only affect the performance and functionality of the product, but in the worst case may lead to a short circuit or other hazards.
- Please note that the use of high-pressure cleaners in the vicinity of the cat flap can lead to unwanted water ingress. This ingress of moisture can lead to a short circuit or other electrical problems and impair the functionality of the cat flap.
- No opening of the housing in which the camera is. The housing is sealed and locked. You risk an electric shock if the device is connected and the flap is removed at the same time.
- This product can be used by children aged 10 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the product in a safe way and understand the hazards involved. Children must not play with the product. Cleaning and user maintenance must not be carried out by children without supervision.

Failure to observe these instructions may result in danger to life due to electric shock! Do not use any devices that show visible damage.



5 Mounting

This section contains information on the safe installation of the KittyFlap cat flap.

Before mounting, connect the KittyFlap to the power to connect it to the home's own WiFi and download the latest updates.

Basics

The assembly is the assembly of the inner and outer housing and the insertion of the connecting plugs of the KittyFlap cat flap. The easiest and fastest way to assemble is if there are two of you.

Download free app

Download the free app from the Playstore or Appstore.



2 Login / Registration

Log in to our Kitty Cloud with your credentials or register a new account via the app. After successful login you will be redirected to the main screen.

3 Connect KittyFlap[®]

Connect the included power adapter to your KittyFlap and plug it in. The cat flap will automatically search for the app via Bluetooth.

4 Connect KittyFlap[®]

The app searches for Wi-Fi networks in the vicinity. Select the desired network and connect the app with the credentials.

5 Establish WLAN connection

6 Update

The cat flap will now automatically check for any updates and install them.

Preparation for installation in the window / glass

To ensure correct and precise installation of the cat flap, we **urge** you to use the enclosed **drilling template**.

Installation type	Required shape	Dimensions
Double / multiple glazing		Ø 260 mm

• If you plan to install the cat flap in a glass surface such as a window pane, we strongly recommend that you consult a professional. Proper installation in glass requires special knowledge and skills to ensure that the integrity of the glass pane is maintained and the cat flap is installed safely and functionally.

Preparation for installation in a door

To ensure correct and precise installation of the cat flap, we **urge** you to use the enclosed **drilling template**. The template is designed to help you accurately place the drill holes for optimal installation.

Installation type	Required shape	Dimensions
Wooden door/wall		9.06 x 9.45 inch

You can find the current version of the drilling template here: https://short.kittyflap.com/KittyFlap-Bohrschablone

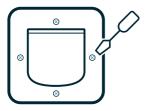




Insert the housing

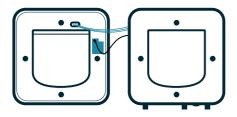
1 Open housing / remove screws

Open the housing using the 4 screws on the back of the cat flap.



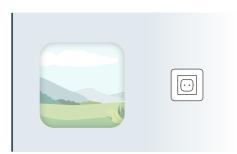
2 Disconnect plug connections

Loosen the two plug connections on the inside of the open flap.



3 Preparing the recess

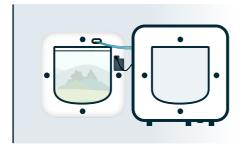
Use the supplied drilling template including instructions at a suitable location near a power socket.





4 Using the KittyFlap

Place the outside of the KittyFlap in the recess and connect the inside and the connectors to the outside of the KittyFlap.

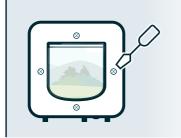


NOTE

• Carry out this work step with another person to fix the cat flap from the outside while the other person connects the plug connections.

5 Close the housing

Now close the housing of the KittyFlap with the previously loosened screws.

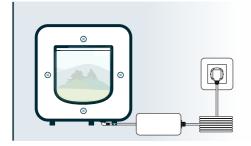


✤ DANGER

 Do not overtighten the screws as this could damage the circuit board inside and make sure that no cables are crushed or damaged when tightening.

6 Connecting the KittyFlap to the power supply

Now connect the mains cable to the underside of the KittyFlap, feed the cable through the cable guide and connect the mains plug to the power supply.



🚟 EN

9 Product Care, Cleaning & Maintenance

This section contains information for safe maintenance of the cat flap.

Maintenance includes all technical and organizational measures during the life cycle of the KittyFlap cat flap, with which the safe, economical and functional condition of the KittyFlap cat flap is ensured and damages are avoided.

Cleaning with a damp cloth:

To keep the outer surface of your cat flap clean, we recommend wiping it down regularly with a damp, soft cloth. This will help to remove dust, dirt and possible stains and preserve the appearance of the flap.

Removal of animal hair:

Animal hair can accumulate in the flap mechanism over time and impair functionality. We recommend checking the cat flap for animal hair at regular intervals and removing it if necessary. This can be done with a vacuum cleaner or a soft brush attachment.

Weekly cleaning interval:

To ensure optimal functionality of your cat flap, we recommend re- gel regular cleaning at an interval of once a week. This ensures that the flap always remains clean and free of obstructions.

Check the holder and the screws:

We also recommend that you check the cat flap's hold at regular intervals. Depending on use, it may be useful to retighten the screws to ensure that the cat flap remains firmly and securely installed.

A WARNING

• Please be careful not to use harsh cleaners or abrasive materials, as they may damage the surface of the cat flap.

With regular care and maintenance, you can ensure that your cat flap will always be in top condition and your cats can enjoy unrestricted access.

If necessary, send the cat flap for maintenance.

😹 EN

5 Storage and disposal

If you do not plan to use your cat flap temporarily, we strongly recommend that you store it in its original packaging. Store the packaging in a dry place, away from direct sunlight, moisture and extreme temperatures. The original packaging protects your cat flap from possible damage and ensures safe storage.

Disposal instructions

We thank you for your attention to these instructions and for your responsible handling of the storage and disposal of your cat flap.

Electronic parts:

Municipal collection points are available for the disposal of discarded electrical and electronic equipment, including the electronic parts of your cat flap. These can be handed in at recycling centers or at the mobile hazardous waste collection service in your area. By disposing of them properly, you are helping to conserve resources and protect the environment.

Acrylic:

If you need to replace any parts of your acrylic cat flap, please note that acrylic can be disposed of in normal household waste. Be sure to pack the acrylic carefully to avoid injury during disposal.

Plastic:

The recycling garbage cans are available for the disposal of plastic parts of your cat flap. Plastic packaging, composites and similar waste can be collected in the yellow (or orange) garbage cans. These allow for recycling of plastics and other materials.

🚟 EN

Disposal obligations

We thank you for your attention to these obligations and for your responsible approach to the disposal of your cat flap.

Disposal obligation in accordance with § 10 Paragraph 1 of the Elektroand Electronic Devices Act III (ElektroG3)

We would like to point out that, in accordance with Section 10 (1) of the Electrical and Electronic Equipment Act III (ElektroG3), the disposal of old equipment under our responsibility can contribute to environmental compatibility. For this reason, you as the end user are obliged not to dispose of old electrical and electronic equipment in unsorted municipal waste, but to collect it separately.

Obligation to take back waste equipment according to § 17 paragraph 1 and 2 es Elektroand Electronic Devices Act III (ElektroG3)

To ensure that the environment is protected, we offer you the opportunity to take back your old equipment free of charge as part of our responsibility to the environment. Please send your cat flap to the following address:

For return from Europe:

Graewer Kunststofftechnik | Lindengarten 12 + 14 | DE-73265 Dettingen unter Teck

For return from Switzerland:

KittyFlap.ch GmbH | Kastellstrasse 11 | CH-8107 Buchs

😹 EN

Personal responsibility for data erasure on old devices before disposal

We would like to draw your attention to the extremely important personal responsibility regarding the protection of your personal data on the old devices to be disposed of. In accordance with the applicable data protection regulations and for ethical reasons, it is your duty to ensure that all personal data is deleted from your old devices before they are disposed of.

If possible, perform a factory reset on the old device to remove all stored data.

Disposal obligations



This symbol means that electrical and electronic equipment must not be disposed of with normal household waste. Instead, you must dispose of your old device separately and in an environmentally friendly manner.

Proper disposal helps to reduce the use of hazardous substances and recover valuable raw materials.

To protect the environment and comply with legal requirements, we urge you not to dispose of your old device in household waste. Instead, please use the collection points provided by your municipality or region or participate in the take-back programs organized by the manufacturer. Information on the correct disposal and return of your old device can be found in our operating instructions under the item "**Storage and disposal**".

😹 EN

EU Declaration of Conformity

This declaration refers only to the low-voltage equipment in the condition in which it was placed on the market. Parts subsequently fitted or interventions subsequently made by the end user are not taken into account.





S Liability

Please use the cat flap only under the specified conditions and for the intended purposes. The product is designed to allow your cat to enter and exit with ease. Any other use may lead to undesirable results or damage and may jeopardize the safety of the product.

Use of original accessories:

We strongly recommend using only original accessories and spare parts recommended by the manufacturer. The use of third-party accessories or unauthorized parts may not only impair the functionality of the cat flap, but also entail unforeseeable risks.

Observe the care instructions:

We ask you to carefully read and follow the care instructions listed in the operating instructions. Regular care according to the instructions will help to ensure the service life and proper functionality of your cat flap.

Disclaimer for improper use and cleaning:

Please note that the manufacturer is not liable for damage caused by improper use, cleaning or modifications. We accept no responsibility for damage caused by unauthorized use of the product or non-compliance with the cleaning instructions.

🚟 EN

FAQ - Your questions. Our answers

Which standard is used for the identification of animals used by means of electronic transponders?

KittyFlap can in principle detect implanted transponders (animal chips or RFID Chipt). However, these must be as large as possible, but at least 12 mm and comply with the ISO standard 11784/11785 FDX-B. However, access control via implanted chips cannot be guaranteed, as a variety of factors, such as implantation depth, position, location, of the chips can affect this particular function. The main problem in the detection of implanted chips is the small size of the chips. The smaller the chip, the fewer copper coils it contains, and the worse the mini-chips can send back the signals emitted by the KittyFlap. Because implanted chips were not intended to open doors, but to be read by the veterinarian at the shortest possible distance, the detection range is correspondingly low. This is in the range of 10 cm as long as the chip is not yet implanted in the animal. Once the chip is in the animal, the detection range in normal use is only 2 to 10 cm. In general, the detection of implanted chips in cats works sufficiently after the acclimatization phase. As a rule of thumb, the greater the distance between the implantation site (usually the neck area) and the antenna, the smaller the chance that the chip can be read over this distance.

Is prey detection being continuously improved?

We are constantly improving the algorithm, updates are delivered automatically after consent.

Will the KittyFlap block access for strange cats?

KittyFlap has a built-in pet chip scanner. The micro-chip implanted in your cat has a unique serial number. Based on this serial number, access is controlled.

Does KittyFlap only detect mice or other prey as well?

KittyFlap® recognizes all the prey in the mouth of your favorite thanks to AI.

What kind of data does KittyFlap record exactly?

We store your programmed animal chip numbers locally. If you save the name of your cat and a picture via the app, this will also be saved locally. Pictures are only stored locally for a short time and then deleted. KittyFlap® stores locally only pictures where there is a cat and this only for a short time. We make your pictures available in your app. 😹 EN

How do (metallic) obstacles affect the KittyFlap cat flap?

The antenna built into the KittyFlap has two functions: firstly, to build up a magnetic induction field and secondly, to receive the identification of the animal transponder. Metal objects and animal transponders do not always get along optimally, since these can disturb the magnetic field sensitively. On the one hand, the signals are shielded and thus prevent recognition of the animal chips, on the other hand, the signals are reflected so strongly, e.g. in the case of installation in an aluminum garage door, that the RFID system could be disturbed. Installation in metal doors is also not advisable if you want to use the access control via animal transponder.

The KittyFlap is technically compatible with all conventional animal identification chips according to the ISO standard 11784 / 11785 FDX-B.

However, this technology dates back to the 1970s and was standardized almost 20 years ago (1996). As a result, it is hopelessly outdated and brings with it a number of annoying limitations. But it allows that in normal cases such an implanted chip can also be used as a key for the KittyFlap.

However, as the manufacturer of the KittyFlap, we have no influence on the quality of the transponder in your pet and therefore cannot give any guarantee with regard to function or range.

We therefore advise before installation with his animals to check whether the detection range is sufficient. If it does not work, it is not a malfunction of the device, but the technical limitation of the ID chip.

kittgflop®

C E © KittyFlap.ch GmbH

865.96.23.25 Version 1.4 🖞 04.2024