

Stationary dog chaser GRAD DUOS S

User Manual
INTK.433523.012 RE



This User Manual includes key features, operating instructions (use, maintenance, repair, storage and transportation) for Stationary dog chaser «GRAD DUOS S» (hereinafter - appliance).

This product is a compact stationary appliance designed for outdoor environment to prevent dog attacks, as well as cats, foxes, raccoons and other animals. Please read all the instructions before attempting to operate this appliance.

All the safety and operating instructions should be read, adhered to and followed, it will prolong the service life and will enable a more efficient use of the appliance.

Caution! According to Sanitary Regulations and Norms 2.2.4/2.1.8.582-96 the operating appliance isn't allowed to place at a distance of 2,5 m or less! It must be taken into account in workplace organization.

Caution! Don't keep the operating appliance at a close distance from human ears – it may cause headache or temporary hearing loss!

Caution! The operating appliance may have a bad influence on such pets as cavies, hamsters and rats. It is not recommended to operate the appliance near other pets (cats, dogs) so far as they are sensitive to ultrasound.

Caution! Keep out of reach of children!

1 Appliance description and operation

1.1 Appliance features

1.1.1 This product is a compact stationary appliance designed for outdoor environment to prevent dog attacks, as well as cats, foxes, raccoons and other animals. The appliance generates ultrasonic radiation, which creates uncomfortable conditions for the most of the animals. At the same time the appliance does not harm them and safe for humans.

1.1.2 Operating conditions:

- ambient temperature, °C from -10 to +40;
- relative air humidity at 25°C, % up to 98;
- atmospheric pressure from 66,6 kPa up to 106,6 kPa
(from 500 mmHg up to 800 mmHg)

1.2 Technical specifications

- 1.2.1 Dimensions, mm 75 x 35 x 55
- 1.2.2 Weight, kg 0,05
- 1.2.3 DC output, V 5
- 1.2.4 Current consumption, mA 0,6
- 1.2.5 The maximum (efficient) operating area, m² up to 10 (20)
- 1.2.6 Sound pressure level at 1 meter distance from the appliance, dB 120±1,2
- 1.2.7 The maximum radiation area, m² up to 200

1.3 Appliance components

1.3.1 Appliance components and supplied package are shown on Table 1.

Table 1

№	Description	Quantity
1	Stationary dog chaser «GRAD DUOS S», specifications 6329-004-64062607-2012	1
2	External power supply source from single-phase AC 50Hz, 220V	1
3	Individual package	1
4	User manual INTK.433523.012 PӘ	1

1.3.2 Visual appearance of the appliance is shown in Figure 1



Figure 1

- ultrasonic radiator (1);
- working status indicator (2);
- power outlet (3).

The case of the appliance is made of high impact ABS plastic.

1.4 Structure and operating

1.4.1 The appliance generates ultrasonic radiation which is intolerable for animals. Permanent change of radiation settings excludes any animal addiction.

1.4.2 The device runs under command of microcontroller with embedded software.

2. Intended use

2.1 Operating restrictions

2.1.1 Do not damage the ultrasonic radiators located behind the grid by foreign objects. Damage of the radiator may cause improper appliance operation, may reduce its efficiency or disable.

2.1.2 When the appliance is in use do not cover ultrasonic radiators with any objects, it may disable the appliance.

2.1.3 Do not open or try to disassemble the appliance.

2.1.4 Do not put water and foreign objects inside the appliance.

2.2 Operating instructions

2.2.1 To turn the appliance ON put a plug into a socket. After that the power indicator starts to flash (2).

2.2.2 It is important to choose the right place for the appliance installation to achieve the maximum effect. Take into account the following:

- it is important to keep the appliance safe from natural phenomena (rain, snow) when installing it outdoors, do not block ultrasonic radiators;

- when putting the appliance in a house you should concern that the appliance can control the rodents in stated area only when it is located in empty house of a similar size. If the area is divided into several rooms or filled with shelves and partitions it would be needed several appliances placed all over the area;

- installing the appliance at the distance of 60-70 cm from the ground will bring to maximum efficient operation process. For putting a plug into a socket it is possible to use extensions cords. **Do not use homemade or defective extension cords – it may disable the appliance and cause short circuit!**

3 Technical maintenance

3.1 Technical maintenance consists in cleaning the surface of the appliance as needed.

3.2 Current repair. Types of faults.

Typical faults and possible solutions are specified in Table 2.

Table 2

Description of the fault	Possible reasons	Possible solution
When turning the appliance ON the indicator does not light	There is no supply-line voltage	To check electric mains.
	Appliance is defective	Return the appliance to the repair department.

4 Packaging, storage and transportation

Each appliance is packed in individual package according to the supply package as indicated in Table 1.

Device moving in the package is not allowed. Parcels are placed into shipping containers – a corrugated fiberboard box (State Standard 22637).

Parcels can be transported by vehicle or railway in covered trucks or containers, by air in pressurized modules.

During transporting parcels should be protected from the effect of atmospheric conditions and solar radiation.

Transportation conditions:

- ambient temperature: from -50 to 50°C;

- relative humidity up to 95 % at 25°C;

- atmospheric pressure from 84 up to 107 kPa (from 630 up to 800 mmHg)

- peak impact acceleration is up to 147 m/s² (15g) at a duration of action of impact acceleration 10...15 ms.

The requirements on warning signs must be strictly obeyed when loading and transporting.

5 Acceptance certificate

Stationary dog chaser «GRAD DUOS S» INTK.433523.012

Serial number _____

Manufacture date _____

Manufactured and accepted in accordance with the applicable documentation and validated.

Quality Department stamp _____

6 Manufacturer's warranty

6.1 The manufacturer guarantees that the product conforms to the specifications 6329-004-64062607-2012 under the operating, storage and transportation conditions specified in the operational documentation.

6.2 Product lifetime – at least 5 years.

6.3 Warranty period — 12 months starting with the day of purchase.

6.4 If the device fails during the warranty period, the supplier (manufacturer or companies providing maintenance services) should replace or repair it at its own expense.

6.5 Customer loses the right to obtain warranty service in the following cases:

- after the expiry of warranty period;

- violation of the operating, transportation and storage rules;

- mechanical damages causing device failure after the purchase;

- manufacturer's sealing is broken.

6.6 Repair and maintenance of the appliance with the expired warranty period is covered at the customer's expense.

7 Certification

7.1 The appliance meets the requirements of Technical Regulations of the Customs Union TS004/2011 «Safety of low-voltage equipment», TS020/2011 «Electromagnetic Compatibility of technical means»,

TP TC020/2011 «Electromagnetic compatibility of technical means». of conformity to EAEC № RU D-RU.AT15.V.02025. Expiration date is 07.06.2022 inclusive.



The manufacturer reserves the right to introduce technical modifications improving consumer properties.

Manufacturer's technical support: www.i4technology.ru

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Questions concerning the exchange after-sales service should be applied to the distributor that completed a sale. Distributor's contacts are specified in its warranty card.