



DBM01

Electronic ball dropper
User Guide

Declaration of Conformity

We:

VNT electronics s.r.o.
Smetanovo náměstí 104
570 01, Litomyšl
IČO: 64793826

declare under own responsibility that the product:

Training ball dropper

Dogtrace d-balls, mini d-ball

is in compliance with the essential requirements and other relevant provisions of

Directive 1999/5/EC from 9. 3. 1999

meets requirements of General Licence of The Czech Telecommunication Office according to general licence no. VO-R/10/05.2014-3, and corresponds to the following standards:

ETSI EN 301 489-1 V1.9.2

ETSI EN 301 489-3 V1.6.1

ETSI EN 300 220-2 V2.4.1

ETSI EN 60950-1:2006



The product is safe on condition of commonly used in conformity with instruction manual. The Declaration of Conformity is created in exclusive responsibility of producer.

In Litomyšl 28.8.2014

Ing. Jan Horak

executive director

Tel.: +420 731 441 541

info@dogtrace.com

www.dogtrace.com

A handwritten signature in black ink, appearing to be 'J. Horak', written over the printed name and title.

Hereby, VNT electronics s.r.o., declares that this Dogtrace d-balls, mini d-ball is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

WARNING: Persons with a personal device for heart activity support (pacemaker, defibrillator) must respect relevant precautionary measures.

The product **DBM01** emits a stationary magnetic field and an RF signal (Frequency: 869.52 MHz, maximum transmission performance = 25 mW).

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Delivery contents

- **DBM01** ball dropper
- Plate for fixing to vest
- Double-sided sticky tape for fixing **DBM01** to plate
- Ball
- Remote controller (transmitter)
- Battery CR2 3V
- Battery CR2430
- Neck string
- User guide and warranty certificate

Optional accessories

- Spare batteries
- Extra balls
- Special vest for **DBM01**

Product description

Remote controller



Ball dropper



- 1 Indicator lights
- 2 Control buttons
- 3 Magnet target

- 4 Ball container cover
- 5 Indicator lights
- 6 Battery space cover
- 7 Plate for fixing on vest

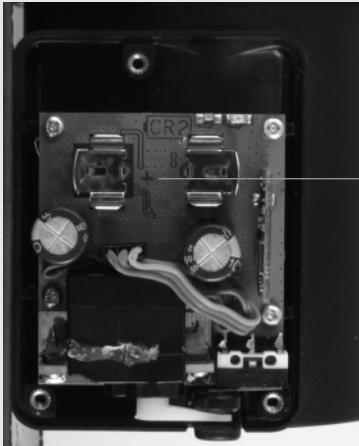
Note:

DBM01 is fixed to the fixing plate using a double-sided sticky tape (supplied).

Insertion and exchange of batteries

Ball dropper

- Unscrew the battery space cover using a cross screw driver. Insert a CR2 3V battery. Please ensure the correct polarity marked on the printed circuit board.
- Tighten the screws on the battery space cover using adequate force.



Battery polarity marking

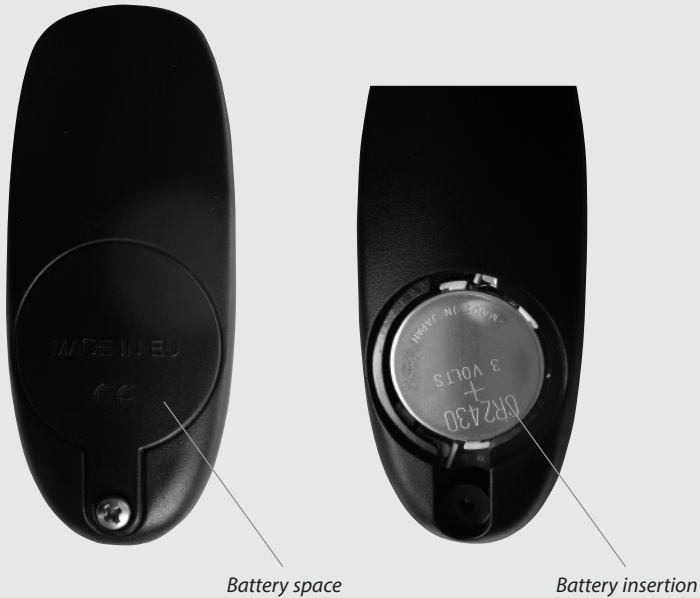
Checking battery status

To check the battery status, see the indicator light on the front side.

- Battery fully charged: Green indicator light blinking slowly in on-state.
- Battery weak: Red indicator light blinking in on-state. Replace the battery according to the instruction above.

Remote controller

- Unscrew the battery space cover on the back of the remote controller. Insert a CR2430 3V battery. Please ensure the correct polarity (see picture). Tighten the screw on the battery space cover using an adequate force.



Weak battery is indicated by red indicator light after pressing any button. Replace the battery according to the instruction above.

ADVICE:

Battery can be removed easily pushing a small screwdriver under the battery edge carefully.

Check the correct functionality by pressing any button. Green indicator light is lit up.

Switch ON/OFF

Ball dropper

A magnetic system located in the remote controller is used to switch the ball dropper ON and OFF.

- **Switch-on**

Place the bottom part of the remote controller to the upper edge of the ball dropper (see picture). Red indicator light on the ball dropper blinks once (indication of correct placing of the remote controller to the ball dropper). Green indicator light is lit up.

Remove the remote controller. Green indicator light starts blinking indicating the ball dropper is ON, ready for use.

- **Switch-off**

Place the bottom part of the remote controller to the upper edge of the ball dropper (see picture). Red indicator light is lit up. Remove the remote controller.

The indicator light goes out. The ball dropper is OFF.

To prolong battery life, it is necessary to switch the ball dropper OFF after every use. If the device is not used for a longer time period, removing battery is recommended.



Position of the ball dropper and remote controller when switching ON/OFF and synchronising the devices

Synchronising ball dropper with remote controller

Each ball dropper has a unique operation code. Before first use, ball dropper and remote controller need to be synchronized.




IMPORTANT:

Before you start synchronising the devices, make sure no other Dogtrace system is used close to you. Your ball dropper might accept a code of another remote controller accidentally. If this happens, repeat the synchronization procedure.

- Remove ball from the ball dropper.
- In off-state, place the bottom part of the remote controller to the upper edge of the ball dropper (see picture on page 7) and hold it there. Red indicator light blinks once. After that, green indicator is lit up for 3 seconds and then both red and green indicator lights start blinking. The ball dropper is ready for synchronisation. Now remove the remote controller from the ball dropper and press the audio signal button. The ball dropper emits an audio signal indicating the synchronisation was successful.

How to use remote controller

Remote controller Dogtrace for **DBM01** offers the following functions:

- By pressing the button  , a ball is released.
- By pressing the button  , a ball and an audio signal are released at the same time.
- By pressing the button  , an audio signal only is released.

For the best results

- Before using, check battery status in both the ball dropper and the remote controller. Replace batteries if necessary.
- Battery performance decreases slightly in temperatures below 0 °C. If possible, keep the remote controller in warm (in your pocket for instance) and take it out only when using.

Advice on using

- Don't put the remote controller close to objects sensitive to magnetic field to avoid causing permanent damage to them.
- Don't expose the **DBM01** set to high temperatures.
- It is necessary to replace the batteries every two years, even in case the set has not been in use for a longer time period. Don't leave discharged batteries in the device to avoid damage.
- The set is designed to be used with one ball as a maximum. Don't use any extenders to increase the capacity. It could cause damage to the device.
- Use only the ball delivered with the set or recommended by the manufacturer. Using a different ball than recommended could cause damage to the device.

Maintenance

Don't use any corrosive substances such as diluents, petrol or various cleaners to clean the **Dogtrace DBM01** set. Use a soft damped cloth, and a neutral cleaning agent if required.

The remote controller is not water resistant. Protect it from water and humidity as much as possible. If dropped into water, the device will probably be damaged permanently.

The ball machine is designed to be able to stay in the rain for a short time after closing the cover of the ball container.

Trouble shooting

Before you consider your device defective, do the following:

- Read the user's guide again and check whether the problem isn't caused by weak batteries or incorrect use.
- Check the correct polarity and position of batteries.
- If it doesn't help, synchronise the ball machine with the remote controller again according to the instructions in this user's guide.
- If the problem persists, try to initialise the system by removing batteries from the holder in the ball machine and from the remote controller. Create a shortcut to the contacts using a steel tool (screwdriver, scissors for instance) for about 2 seconds. Insert the batteries again and repeat the synchronisation procedure.

If the problem still persists, contact your dealer.

Warranty

The company VNT electronics s.r.o. provides warranty for potential manufacture faults to the extent of two years from the date of purchase.

The manufacturer does not take responsibility for damage to the device caused by incorrect use, unauthorised repairs and dismantling.

The warranty does not cover the following items:

- Batteries
- Direct or indirect risks during transportation of the product to the dealer
- Damage to the product caused by user's negligence or by an accident (Breaking, impacts, etc.) and by interventions of unauthorised persons.

The information contained in this user's guide may be subject to alterations without any prior notice.

Technical specification

Transmitter

- Weight: **26 g (without battery)**
- Range: **about 10 m**
- Power supply: **3V CR2430 lithium battery**
- Battery life: **6–12 months depending on use frequency**
- Frequency (performance): **869,525 Mhz (1 mW)**
- Antenna: **Integrated**
- Radio connection encoding: **by microcontroller**
- Working temperature: **-10 °C to +50 °C**
- Measurements: **84 × 36 × 20 mm**

Ball dropper

- Weight: **244 g (without ball and battery)**
- Power supply: **CR2 3V battery**
- Battery life: **1–3 months depending on use frequency**
- Frequency: **869,525 Mhz**
- Antenna: **integrated**
- Radio connection encoding: **by microcontroller**
- Working temperature: **-10 °C to +50 °C**
- Measurements: **110 × 104 × 89 mm**

Warranty conditions

1. The warranty period starts on the date of sale of the unit by an official authorized dealer to the consumer. The condition for claiming is the confirmation of the Certificate of Warranty by an official authorized dealer.
2. The warranty provided does not cover product faults caused by:
 - a) Incompetent installation or by failure to follow instructions in the user's guide
 - b) Improper use of the product
 - c) Improper storing or servicing of the product
 - d) Incompetent intervention or repair made without informing the manufacturer
 - e) Natural disaster or any inevitable event
 - f) Modification of the product made by the consumer if it resulted in damage to or fault of the product
 - g) Mechanical damage caused by the consumer
 - h) Any other procedure carried out by the consumer in conflict with these warranty terms and conditions and/or the servicing instructions
3. The warranty provided only applies to the goods purchased from official authorized dealers.
4. The warranty cannot be claimed unless the product is fully paid.
5. The claimant is obliged to prove the fault of the product which he/she claims. Enable the manufacturer to check the legitimacy of the product faults and assess the extent of the product faults. The claimant is not allowed to carry out repairs of the product by himself or by any third party. At the same time, he/she is obliged to submit the product to the manufacturer in a state enabling assessment of the faults. If it be to the contrary, he/she loses the right to claim.
6. Customer claim rights arising from responsibility of the manufacturer for product faults are based on general obligatory legal regulations. In case a provable manufacture fault, the manufacturer is responsible to replace the faulty product with a perfect one.
7. Other rights and liabilities of the manufacturer and claimants are based on relevant general obligatory legal regulations of the country where the product was sold.

Certificate of Warranty

Warranty

and post warranty service:

**VNT electronics s.r.o.
Smetanovo náměstí 104
570 01 Litomyšl
Czech Republic
Phone: +420 733 121 890
www.dogtrace.com**

