



DBM01

Electronic ball dropper
User Guide

Thank you for purchasing the product

DOGtrace™ DBM01

produced by the company VNT electronics s.r.o., Czech Republic.

We would like to ask you to read this user guide carefully before you start using the product. Please keep it for further reference after reading.

EC declaration of compliance Guideline R&TTE 1999/5/CE

The manufacturer: VNT electronics s.r.o. declares that the below mentioned product:

Electronic ball dropper DOGtrace™ DBM01

complies to all Europe Council Guidelines, under No. 1999/5/CE of 7. 4. 1999 and corresponds to the following standards: **ETSI EN 300 220**

CE

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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Contents

Delivery contents.....	3
Optional accessories.....	3
Product description.....	4
Insertion and exchange of batteries.....	5
Switch ON/OFF.....	7
Synchronising ball dropper with remote controller.....	8
How to use remote controller.....	8
For the best results.....	8
Advice on using.....	9
Maintenance.....	9
Trouble shooting.....	9
Warranty.....	10
Technical specification.....	10

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



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

Ball dropper



- 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

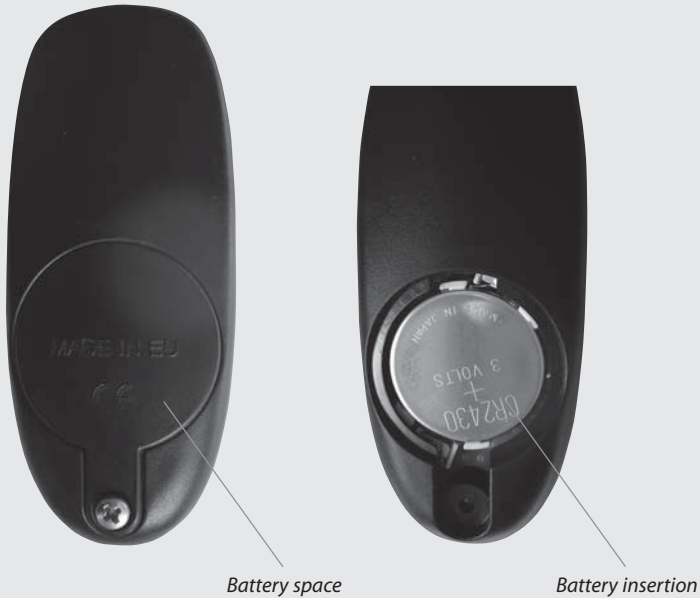
Checking battery status

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: **32 g (transmitter with 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: **86 × 36 × 19 mm**

Ball dropper

- Weight: **195 g (without ball, with 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 × 80 mm**