



d-control easy

*Electronic
training collar*

Service instructions



Thank you for purchasing the product
DOGtrace™ d-control EASY

from VNT electronics s.r.o., Czech Republic.

We would like to ask you for reading this manual carefully before using the unit and keeping it for future use.

EC Declaration of Conformity **Guideline R&TTE 1999/5/CE**

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

Electronic training collar DOGtrace™ d-control EASY

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

VNT electronics s.r.o. • Němčice 23 • 561 18 Němčice u České Třebové
Phone: +420 461 310 762 • Czech Republic • www.dogtrace.com

CAUTION:

The person with a personal instrument to support heart activity (pacemaker, defibrillator) must respect the relevant precautionary measures. The d-control emits a certain stationary magnetic field (lower part of the remote controller and RF signals).

Frequency= 869.52 MHz, maximum transmitted power = 25 mW.

Contents

Introduction	4
Scope of delivery	4
Optional accessories	4
Product description	5
Battery installation and replacement	6
Turning ON/OFF	8
Programming (matching) of the remote controller and the receiver	9
How to use the remote controller	10
How to check that your DOGtrace™ d-control works correctly	11
For the best results	12
We are starting with the training collar	13
Tips	15
Hints for using	16
Maintenance	16
Troubleshooting	17
Warranty	17
Technical data	18

Introduction

Do you need to have your dog under your instant control? Do you want to train it easily, quickly, precisely, and efficiently? The electronic training system **DOGtrace™ d-control**, consisting of the transmitter and the collar, will help you train your dog with efficiency that cannot be reached by any other methods. The hand-held transmitter (similar to your TV remote controller) makes it possible to give commands within a considerable distance. There are two kinds of command. The sound alerting signal and four steadily preset electronic correction pulses. The electronic systems of the transmitter and the collar employ the state-of-the-art technology on the basis of single-chip microprocessors and wireless communications. Thanks to ergonomic design and small weight of the collar you can use it also for breeds of dog whose growth is small.

Scope of delivery

- Collar (receiver) with the strap
- Electrodes
- 2 pc CR2 3V lithium battery, CR2 3V neon test lamp
- Neon test discharge lamp
- Remote controller (transmitter)
- Service instructions and Certificate of Warranty

Optional accessories

- Dummy collars
- Spare batteries
- Varicoloured woven belts
- Spare seals
- Spare electrodes
- Spare screws

Product description

REMOTE CONTROLLER



COLLAR WITH THE STRAP



REMOTE CONTROLLER ● 1 – Buttons to select correction pulses 1–6, 2 – Sound signal button, 3 – ON/OFF power switch, 4 – Indicator.

COLLAR WITH THE STRAP ● 1 – Woven strap, 2 – Electrodes, 3 – Indicator, 4 – Target.

Battery installation and replacement

INSTALLATION (REPLACEMENT) OF THE BATTERY IN THE RECEIVER (COLLAR)

- Remove 4 screws of the receiver housing cover plate with a cross-head screwdriver. Install the 3V lithium CR2 battery. Mind the correct polarity indicated on the receiver PCB with “+” symbol in the battery compartment (see the photo).
- A beep indicating correct installation of battery will sound.
- If you do not hear the beep after installation of the battery, remove it immediately. Check the polarity and try to install it again.
- Before putting the plate cover to its place make sure that the rubber seal is correctly seated in its slot. Tighten adequately the 4 screws on the cover plate of the receiver.

Checking the battery state

Look at the indicator on the front panel of the receiver (collar) to check the state of battery:

- The battery is fully charged: When on-state, the LED flashes slowly in green.
- The battery is flat: When on-state, the LED flashes red. Prepare a spare 3V lithium battery CR2 and follow the section describing how to install the battery in the receiver.

Make sure that the receiver works correctly.



Battery polarity indication

INSTALLATION (REPLACEMENT) OF THE BATTERY IN THE REMOTE CONTROLLER

- Remove the screw on the rear side of the remote controller and remove the battery compartment lid from the controller carefully. Install a new 3V CR 2 battery and mind the correct polarity indicated on the battery compartment lid. Replace the battery compartment lid and tighten the screw adequately.

As the battery discharges, the performance (RF range) of your remote controller gets shorter. It is necessary to replace the battery. You will recognize the weak battery according to a very weak tone when your transmitter is turned on or off. Prepare a spare 3V lithium battery CR2450 and follow the previous section on Installation of the battery in the remote controller. Make sure that the remote controller works correctly.

TIP



You can remove the batteries more easily if you use a small screwdriver and insert it carefully under the edge of the battery.



Battery compartment

Turning ON/OFF

TURNING THE REMOTE CONTROLLER ON/OFF

- **Turning on:** Press down for 1 second the black  **On/Off** button on the remote controller. Turning on is indicated by a sound signal and by a flashing green LED.
- **Turning off:** Again, press down for 1 second the black  **On/Off** button. Switching off is indicated by a sound signal and the green LED stops flashing.

CAUTION: To save the service life of the battery, the transmitter will be automatically turned off after 120 minutes of inactivity.

TURNING THE RECEIVER (COLLAR) ON/OFF

The magnetic switching system located in the remote controller is used to turn the receiver (collar) on and off.

- **Turning on:** Touch the lower part of the remote controller for 1 second to the target on the receiver (refer to the Fig.). The receiver indicator will start flashing green and this indicates that the receiver is ready for use.
- **Turning off:** Again, touch the lower part of the remote controller for 1 second to the target on the receiver (see the Fig.). The LED indicator of the receiver will shine red. The receiver is turned off.

To enhance the service life of the battery, it is necessary to turn off the receiver always after training is finished. If the receiver is not used for a longer period of time, we recommend you to remove the battery from it.




The situation when the receiver is turned on/off and the transmitter is being matched with the receiver

Programming (matching) of the remote controller and the receiver

Every remote controller has its own RF operational code. Programming of the remote controller with the receiver (collar) will be take place during the first use of the **DOGtrace™ d-control** set or with a new remote controller or a receiver (when former or latter is lost). This operation will enable you to match your remote controller with the delivered receiver (collar).

IMPORTANT: Before programming is started (before using your receiver for the first time or before code rewriting) make sure that no one else uses his/her d-control or another product made by DOGtrace in your neighbourhood – your receiver might randomly receive the code from another remote controller and set itself to it. If this happens, program your receiver once again, using your remote controller.

- Turn on your transmitter.
- Touch the lower part of your remote controller to the target on your receiver (see the photo on page 8). The green LED will be permanently lit and after some 6 seconds, it will switch to the programming mode, indicated by permanent flashing of the red LED.
- Now take your transmitter away and press down the sound signal button  on your remote controller. The codes will be matched in this step and your receiver will produce a sound signal.

REPROGRAMMING OF YOUR RECEIVER

The receiver can be programmed repeatedly without restraint either using the same remote controller or with another (see the section Programming (matching) of your remote controller and receiver).

TIP

It is possible to program an unlimited number of receivers to one receiver, which is possible to use for common training of several dogs. It is possible to record two transmitters into one receiver, which the instructor can use, for instance, for a potential correction of the dog training.

How to use the remote controller

The **DOGtrace™ d-control EASY** remote controller is designed for interaction with one receiver.




Button – sound signal

When you press down the sound signal button, you will be able to send the sound signal to your receiver within a great distance. There is no time limit for this function: The buzzer will sound for as long as you are holding the pressed down button and the green LED on your receiver will be permanently lit.

Buttons to

By pressing down this button, you will send your dog an alert in the form of electronic pulses transmitted by the two electrodes located in the receiver collar, being generated all the time you are holding the pressed down button, however, **restricted for 8 seconds at the most**.

The transmission will be indicated by the red LED on your receiver that will be lit as long as you are pressing down the buttons for electric pulses.

Level 1: very weak pulse  Level 2: weak pulse  Level 3: medium strong pulse 

Level 4: strong pulse  Level 5: very strong pulse  Level 6: the strongest pulse 

How to check that your DOGtrace™ d-control works correctly

You can check anytime whether your set works correctly. Before the check, make sure that the receiving collar is turned off.

- Connect the leads of the testing discharge lamp to both electrodes (loosen up the electrodes, insert the wires of the lamp under them so that they can be firmly held and then retighten the electrodes).
- Turn on your remote controller and receiver.
- Press down the button for sending a correction pulse. The testing discharge lamp will indicate the receipt of the signal by a blink. The alteration of the intensity of the pulses according to options 1 to 4 will be indicated by a weaker or stronger light of the lamp.
- At this moment, the correction pulse is only indicated by the light of the test discharge lamp, i.e. the electrodes do not emit any correction pulses.

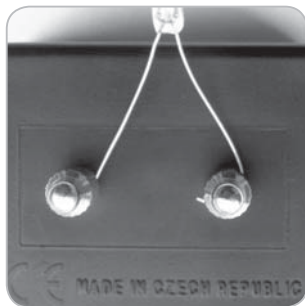


Figure indicating the test lamp attached

For the best results

Training commands, you are sending to your dog, are transmitted from the transmitting unit to the collar equipped with the receiver by radio waves. The propagation of radio waves is influenced by a series of factors and under normal conditions the range of this unit is approximately 200 metres (depending on geographic conditions and surroundings).

If you want to get the best results with your unit, adhere to the following instructions:

- To reach the best range for your communication, hold your remote controller in your hand and do not cover its front part (the antenna is located there).
- If you hold your remote controller in front of you with your hand reached out, the range will get longer.
- Before using your training set, always check the batteries in the remote controller and in the collar and replace them if necessary.
- The power of batteries slightly falls down at temperatures below 0 °C. If it is possible, keep your remote controller warm (e.g. in your pocket) and take it out only for use.

SELECTION OF ELECTRODES

Every package contains readily two kinds of electrode. If your dog is small and its fur is short, use short electrodes. If your dog is of medium built, with longer fur, use long electrodes.

ATTACHMENT OF THE COLLAR

The strap of the collar must be adjusted so that the electrodes are in contact with the dog's skin. When the strap is too slack, the collar is likely to move and the repeated friction may irritate your dog's skin. Moreover, in this case the contact with the skin surface is not reliable and the same holds true for proper operation of the collar. We do not recommend to leave your dog wearing the collar for several hours in the same place as it might cause skin irritation. If it is necessary for your dog to wear the collar for a long time, change its position on your dog's neck.

TIP

If you attach the receiver on your dog's neck laterally, you will extend the range of transmission.

We are starting with the training collar

- The trainer's elementary knowledge in training dogs is the prerequisite for using the training collar.
- If you do not have this knowledge, we recommend you to turn to a training centre, a cynology club, or a school for dogs where you will learn the basic communication with your dog.
- You can start using the collar for a 6-month-old puppy who has undergone the basic training "**SIT**", "**DOWN**", "**STAY**", or at least "**FIE**", "**YOU MUSTN'T**"...
- Demand these commands along with the sound signal from the collar so that your dog can create a link between them.
- After a command is successfully executed, you should always reward or encourage your dog so that it can execute your commands with delight and its desire to make you happy could grow.
- You must not consider the executed command as the absolute obviousness and punish only disobedience – your dog would soon fall away from you.
- If you are not sure that your dog will obey you after recalling, start training, e.g. using a tracing dog-lead.
- **Your dog will have to get used to the collar;** let the dog wear the collar for a few days, but do not use it so that your pet does not discover the connection with its attachment and effects.
- Positive and efficient training requires some time: **do not hurry!**
- Select a well-known environment your dog is used to.
- **Select the right moment for pressing the button;** exactly at the moment when your dog is doing something forbidden.
- Do not hesitate to contact a professional trainer for more advice and in the event of any problems.
- We do not recommend you to use the collar for the dogs not being in good physical health state (e.g. heart problems, epilepsy, etc.) or having behaviour disorders.

Sound signal

It is only up to you how you will use it, which depends on the method you wish to train your dog. With the sound signal you can:

- Send a sound warning to your dog when it is doing something inappropriate.
- Catch the attention of your dog...
- Teach it that this signal means "To me", "Come" commands, wherever your dog is (the sound signal replaces your dog-whistle).

The sound signal forgoing the pulse is very efficient; Your dog will soon create a link between its incorrect behaviour, the sound warning, and its unpleasant feeling.

It is very important to always use the sound signal in the same way so as to prevent your dog from being confused.

Buttons **1** to **6**

If your dog does not obey your command followed by the sound pulse, you can send it a correction pulse (at a suitable level) to distract it from its activity and draw its attention to you. The purpose of this correction pulse is not to hurt your dog, but this is very annoying for it and so the dog will soon create a link between your command, sound signal, and its unpleasant feeling. A minimum of these correction pulses will be necessary after some time as your dog connects them very well with disobedience of your command and then it will do for you to send a command and accompany it with a sound signal if necessary.

Long pulse (hold the button pressed down for more than 3 seconds)

- It is the first step of the training.
- It should be used for training at the place your dog knows well (at the beginning).
- As this pulse is a longer one, use a lower intensity and use the pulse length rather than intensity so that your dog can have some time to understand it.

Short pulse (hold the button pressed down for 1 second at the most)

- Use this function to correct the behaviour of your dog.
- Short pulses are usually used at a later stage of the training after the dog has already been trained with long pulses.
- Here, higher pulses are used compared to training with permanent pulses.


Tips

With the DOGtrace™ collars it is extremely easy and quick to teach the dog:

- To walk along without a dog-lead.
- To be called in reliably ("To me", "Come to me" commands).
- To interrupt an inappropriate activity ("Fie", "You mustn't").
- To unteach bad habits during daily coexistence with people, such as taking food from the table, jumping at people, pawing, undesirable barking, etc.
- Precise training of virtually every skill whereas the dog must do it precisely and reliably as if it were on a lead (**as many as hundreds of meters long!**) – with the removal of the undesirable dependence on the lead which the dog knows very well and adapts its behaviour to it.
- To unteach it chasing animals and running away from its master in the country – and thus being exposed to problems and risks related to them, so this solution brings your dog more freedom who can now move freely also across the patches where otherwise it would not be either possible or it would be dangerous.
- Special activities and commands for business, hunting, sports or other training.
- Using it directly during hunting for communication with the dog.
- A series of other activities and applications which the owner of this unit will soon discover in daily common life with his/her dog.

Hints for using

- Do not place your remote controller close to objects sensitive to magnetic fields that might get damaged and be out of repair.
- Do not put your **d-control EASY** in places exposed to high temperatures.
- It is necessary to replace the batteries every two years and also in the case that the set is not used for a long time. Never leave a flat battery in your unit; it might leak and damage your unit; it might leak and damage your unit.
- Repeated contacts of the electrodes with the dog's skin may cause its irritation. If this happens, do not use the collar until all traces of irritation are gone.

 **WARNING!!!** In the event that your dog has a wet fur, use a lower level of the correction pulse than you usually use.

Maintenance

Never use volatile agents such as thinners, petrol, or various cleaners to clean your **DOGtrace™ d-control EASY**. Use a soft damped cloth and a neutral clearing agent if necessary. **The receiver (collar) DOGtrace™ d-control EASY is water-tight only on condition of a good state of the seal and after treatment with silicone vaseline.** If this is fulfilled, your dog can even swim with it. In order to maintain the water-tightness of your receiver, we recommend you to replace the rubber seal under the receiver's cover and grease it with silicone vaseline. After every replacement of the battery in the collar, make sure that the seal is properly cleaned and settled and that the screws are adequately tightened. Check them regularly and tighten them only adequately! The remote controller is only waterproof against spraying water, not against submersion. Its design allows it to remain a short time in the rain. Protect it against water and moisture wherever it is possible. If it is dropped into water, it will certainly be irrecoverably damaged or destroyed. If you do not use the unit for a long time, remove the batteries from your remote controller and receiver. The collar will remember the preset configuration (auto-encoding). When you turn it on next time, it will be found in the mode you selected last time.

Troubleshooting

Before you start considering your unit to be faulty:

- Read out this Service Instruction manual once again and make sure that the problem is not caused by weak batteries or by incorrect application.
- Check to see if the batteries are positioned correctly with regard to their polarity.
- If a problem persists, try to initialize the system by removing the battery from the battery holders in the receiver, then use a metal tool (e.g. a screwdriver, scissors, etc.) and short-circuit both contacts – battery holders for about 2 seconds. Reinstall the battery. The unit emits a beep confirming that the battery is installed with correct polarity.
- Unless this helps, program your receiver again. Clear the previous code in the memory and then match your receiver with the remote controller according to instructions in this manual.

If the problem persists, contact your supplier.

Warranty

DOGtrace™ provides the product with warranty for possible manufacture faults to the extent of two years from the date of purchase.

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

The warranty does not cover the following items:

- Batteries
- New straps
- Direct or indirect risks during transportation of the product to the seller
- Damage to the product caused by user's negligence or by an accident (e.g. by masticating, breaking, impacts, etc.) and by interventions of unauthorized persons.

The information contained in this manual may be subject to alterations without prior notice.

Technical data

TRANSMITTER

- Weight 60 grams (without battery)
- Range approx. 200 meters in the free area
- Power supply 3V CR20 lithium battery
- Battery serviceability 6–12 months, based on usage
- Frequency (output) 869.525 MHz (25 mW)
- Antenna Integrated
- IP code Protected against spraying water
- Radio communication safety and coding By microcontroller
- Number of pulse levels 6
- Operating temperature -10°C to $+50^{\circ}\text{C}$
- Dimensions $110 \times 52 \times 30$ mm

RECEIVER (COLLAR)

- Weight 56 grams (without the strap and the battery)
- Power supply CR2 3V lithium battery
- Battery serviceability 6 months, based on usage
- Frequency 869.525 MHz
- Antenna Integrated
- IP code Against submersion
- Radio communication safety and coding By microcontroller
- Operating temperature -10°C to $+50^{\circ}\text{C}$
- Adjustable neck circumference 20 to 75 centimetres
- Dimensions $62 \times 42 \times 30$ mm