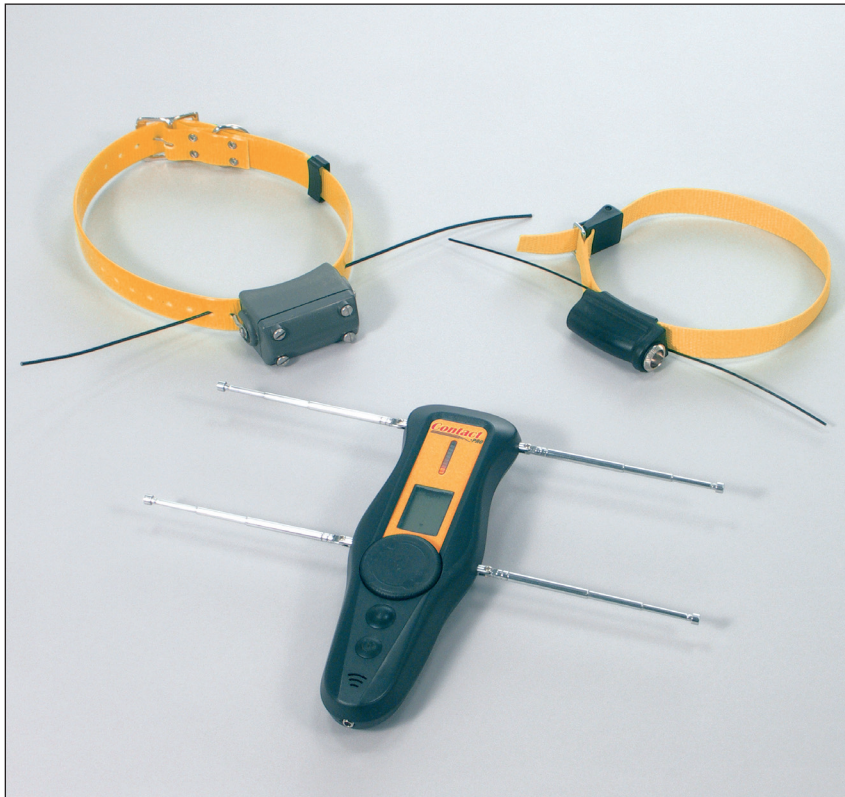


Manual for

Contact
PRO



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Contact Pro is a dog tracker that offers excellent directional accuracy and 200 channels to avoid the risk of being on the same wavelength as another user, together with the ability to track several dogs at the same time. The transmitter features a movement indicator as standard and an accident warning function. Bark counter available as option.

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CHAPTER 1

Safe-keeping the transmitter and receiver

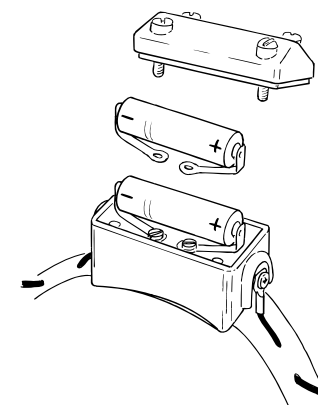
The receiver can be used in all weathers, yet should be kept warm and dry, e.g. in an inside pocket so as to protect the electronic components as far as possible. The receiver should be allowed to air-dry.

During long periods of inactivity the batteries should be removed from the receiver and transmitter to avoid battery drainage. We recommend replacing batteries in the receiver and in the transmitter ahead of each season (depending on how much you are tracking).

Battery

Transmitter type Contact Pro (TX PRO)

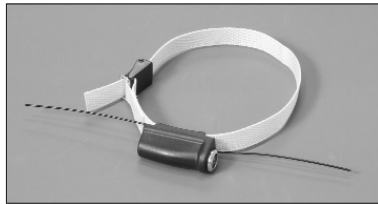
When replacing batteries in the transmitter, remove all four screws and separate the battery section from the transmitter section. The correct battery position is indicated inside the transmitter section. The batteries must not be short-circuited or heated. Battery type 3.6 V Lithium. Battery make SAFT, qty 1.



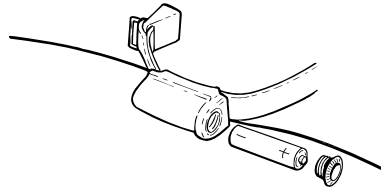
Ensure the collar is fastened correctly for a comfortable fit. Check that it is secure enough so as not to fall off. The collar can easily be replaced if wear occurs.

Turning the transmitter on and off Contact Light (TX CL)

Switch the transmitter on by inserting the 1.5 volt alkaline battery with the negative pole first and turning the cover by hand. Ensure that the red diode is flashing on the opposite side. The transmitter is now ready for use. After use, remove the battery to turn the transmitter off.



Avoid the risk of condensation in the transmitter by not screwing the battery cover tight when storing for a long time. Ensure the collar is fastened correctly for a comfortable fit.



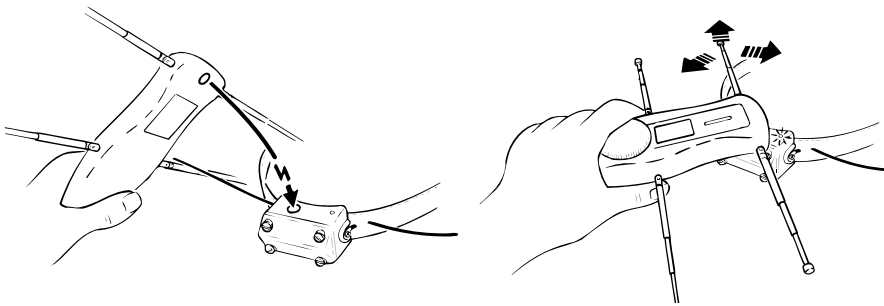
Check that it is secure enough so as not to fall off. The collar can easily be replaced if wear occurs.

Turning the transmitter on and off Contact Pro

A round marker showing ON/OFF is located on the underside of the front of the receiver. The distance may not be more than 0.5 cm between the marked section of the receiver and the marked section of the transmitter.

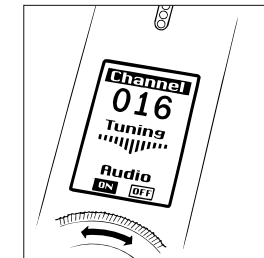
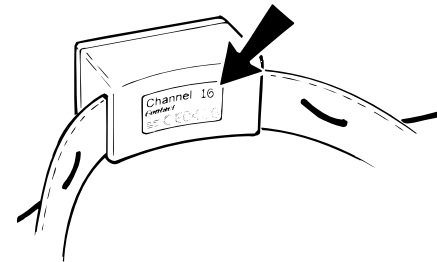
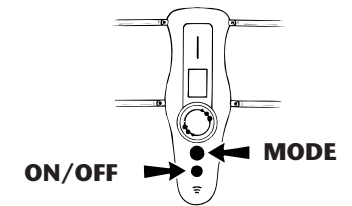
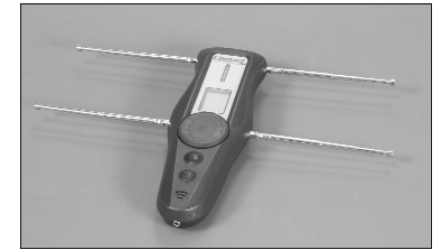
Move the receiver in a small circular motion over the transmitter's marked area. When the diode lights on the transmitter, keep the receiver still for a moment to ensure the diode starts flashing. The transmitter is now activated.

The same operations as in the section above are carried out when turning off. Check that the diode has stopped flashing.



Turning the receiver on and off

Start the receiver by pressing the On/Off button for a few seconds which is the lowest of the two on the receiver, see figure. "GAIN" is then displayed. To view the set channel press the MODE button once, see figure. Set the required channel number (specified on the transmitter) with the knob in CHANNEL position. After a short moment, the receiver returns to GAIN position for tracking. Or press the MODE button again and step through the menu to GAIN position for tracking. Ensure that the transmitter is activated. The receiver now emits a beeping signal. The red LED lamp flashes. The equipment is now ready for use.



The receiver is powered by 2 AA (LR6) alkaline batteries (only use top quality batteries such as Duracell). The receiver's battery compartment is on the rear side of the receiver. Turn the receiver off by holding down the On/Off button for a few seconds. The last channel used is stored in memory until the next time the receiver is used.

Initial setting of tone for receiver (Important)

The purpose of the initial setting of the tone is to give the tracking equipment a maximum range. This should be done at the beginning of each day of the hunt and not before the tracking equipment has reached the ambient temperature as the initial setting of the tone is affected by temperature changes.

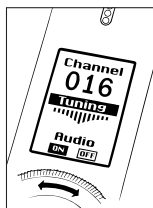
Making an initial setting adjusts the receiver frequency so that it agrees with the transmitter frequency exactly. It is entirely possible that the tracking equipment works well at short distances even when the tone has been set poorly, but the maximum range is nevertheless not as great as it should be. It is therefore an important setting if you require a maximum range for your equipment.

1 Start the transmitter according to instructions. The equipment must have reached the ambient outdoor temperature. Place the transmitter at a distance of about 10 metres.

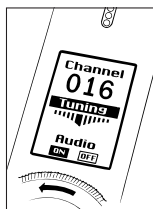
2. Free and unfold the aerials on the receiver. Make sure they are properly folded out and are parallel with each other.

3. Turn on the receiver and press the MODE button to come to TUNING position. Start by setting TUNING at the central position. (figure)

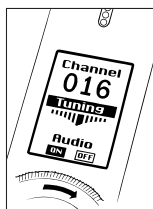
4. Listen to the signal; in order to achieve maximum range you must have a sound signal that is as clear and sharp as possible.



5. If the signal is too dull, turn the knob anti-clockwise (column to the left) until a clear and sharp signal is attained. (figure)



6. If the signal is too sharp, turn the knob clockwise (column to the right) until a clear and sharp signal is attained. (figure)



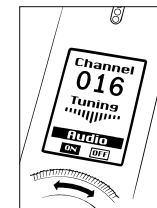
Frequency compensation is necessary if the tracking signal changes the tone (higher or lower than normal) and the range gets shorter. To achieve optimum range by compensating the frequency, turn the knob to TUNING setting position to change the tone of the signal.

Channels

The receiver contains 200 channels for Contact Pro in the frequency band 433-434 MHz.

Socket for earpiece

An earpiece or active ear defender can be connected to the receiver. The jack (3.5 mm mono) is situated on the back plate of the receiver. Connecting an active ear defender enables the transmitter signal to be heard more clearly, which can be an advantage when tracking at longer distances. The speaker cuts out automatically when the earpiece or active ear defender is connected.



Regulating the sound in the receiver

The sound in the receiver can be totally switched off. This is done by pressing the MODE button until you are in MODE position for the AUDIO volume. Now turn the knob to the right to switch off or to the left to switch on the sound again. The setting is confirmed by a symbol indicating the sound has been switched off when the receiver is in GAIN position.

Low battery indicator and battery change

Receiver: When the battery voltage is too low in the receiver, the symbol for battery flashes in the display window. The batteries should be replaced as quickly as possible. The battery cover is on the rear side of the receiver and is opened by sliding the catch on the cover forwards by hand. The correct battery position is indicated inside the battery cover. Battery, type: 1.5 V Alkaline. Number: 2. Select a top quality battery such as Duracell

Transmitter: When the transmitter battery level is too low there is a fall in system range and the diode stops flashing.

Bark counter (option).

Using the bark counter you can assess the work rate of the dog based on the amount of barks, even when you are out of earshot. By replacing the regular battery section of the transmitter with a battery section with a built-in bark counter, you can change the transmitter model by yourself. The bark counter has a microphone built-in that registers the dog's barks. Each bark gives a special "chirp" signal in the receiver.

The microphone that registers the dog's bark is set on delivery to suit a "normal bark". However, barks from dogs vary significantly in tone, clang and strength, which is why there is the possibility of adjusting the bark counter to ensure it works reliably for all dogs.

A regulator screw is situated on the inside of the battery section that you access by unscrewing the four screws that hold the battery section and remove it from the transmitter section. Note that the regulator is sensitive and should be adjusted with care. The screw can be turned a maximum of 4/5 revolutions. Turning clockwise will result in the microphone becoming more sensitive whereas turning anti-clockwise makes it insensitive.

If the sensitivity of the microphone is set to high, the dog's breathing or branches that scrape against the transmitter may give enough sound for the microphone to perceive this as a bark, which sends a bark signal to the receiver. If the sensitivity of the microphone is set to low it will not react to the dog's barks which will mean no bark signal is heard in the receiver despite the dog barking. A few false bark signals may occur in certain situations, especially when using short-legged dogs in areas with a high concentration of bushes and dry twigs.

The microphone is fitted with an extra protective aluminium label which prevents moisture and other particles from penetrating the microphone area. Check that the protective label is intact before each day of the hunt. If the protective label is damaged, it should be removed immediately and replaced with a new label. Extra protective labels are included in the product packaging. If these have been used up, you can order new ones from your retailer. REPERTO advises against using any other material as protection for your microphone.

Ice formation in the transmitter in the winter may mean that the microphone fails to react to your dog's barks. A thin layer of Vaseline on the transmitter helps reduce ice formation.

CHAPTER 2

Tracking

Method 1: This method is recommended when the transmitter is close to, or at normal distance from the receiver.

- 1.** Pull out the aerials and switch on the receiver.
- 2.** Set GAIN (amplification) so that about half of the diodes on the receiver are lit.
- 3.** Now turn the receiver in a circle around yourself. Listen to the signal and observe the diodes.
- 4.** The direction in which the most diodes light and the sound signal is strongest indicates the direction of the transmitter.

Method 2: This method is recommended when the transmitter is far away from the receiver.

- 1.** Pull out the aerials and switch on the receiver.
- 2.** Set the lowest GAIN position that still gives a sound signal from the transmitter.
- 3.** Now turn the receiver in a circle around yourself. Track primarily with the help of the sound signal. To improve reception, try raising your arm and holding the receiver as high as possible.
- 4.** The transmitter is located in the direction where the sound signal is strongest. If the sound signal is heard in a sector that is too wide, turn down the amplification regulator somewhat to decipher a more precise direction to the transmitter.

Estimating distance

It is often useful to be able to estimate the distance from your dog. However, it requires a lot of experience estimating the distance correctly. Distance can be judged by the strength of the transmitter signal. All radio equipment is affected by the terrain. Transmitter signals do not reach particularly far in hilly areas. Therefore, in order to estimate distance, you must be familiar with the actual terrain where you are tracking. Train, practice!

Cross-tracking: is an accurate method for determining the position of your dog. The method requires two or more people with receivers that track from different positions. These can then communicate with each other and in so doing determine the position of the dog. Another way of doing the same thing with only one receiver is through repeated tracking and quick movements.

Range

To achieve the optimum range in all situations, try to track from high positions or in open spaces. When tracking close to a car, for example, there is a risk of reflected signals bouncing back from the vehicle.

To bear in mind when tracking

A sound basic rule for all tracking is to move constantly to minimise the effect of reflected signals and not to use too high GAIN (amplification) to establish the direction.

CHAPTER 3

Maintenance and tips when using

- A dog tracker is a piece of radio equipment. When tracking you should think about the terrain conditions, e.g. If the dog is behind a hill, the signal may become unclear and it would be appropriate to change position. Buildings, wet or snow-covered forest obstruct tracking and can result in shorter ranges. New vegetation growth can also shorten the tracking range.
- Open terrain and high positions are generally the best places for tracking.
- Any disturbances may affect your tracker, e.g. a switched on mobile telephone or hunt radio in your pocket or overhead power lines.
- Protect your receiver; it is rainproof but not watertight.
- If there is another transmitter on the same frequency, your receiver may get two signals simultaneously.
- Remember to remove the batteries in both transmitter and receiver when storing for a long time in order to preserve the batteries and equipment, e.g. between two hunting seasons.

FAULT

The receiver or transmitter cannot be started

Unable to determine the direction of the transmitter

Short tracking range

CHECK

that the batteries are OK and are facing the right way

that the receiver is not disturbed by its surroundings and that the aerials on the receiver are intact

that the initial setting for TUNING has been made and that the transmitter aerials are in tact Check the batteries in both the receiver and transmitter. Use top quality batteries such as Duracell.

CHAPTER 4

Spares and service

All parts which wear out when using Contact Pro can easily be replaced, e.g. the transmitter collar or the receiver and transmitter aerials. Spares can be ordered from your retailer. Equipment in need of service or repairs can be sent to REPERTO AB, Löpargatan 4, SE-711 34 Lindesberg, Sweden, or to your national Contact Pro distributor.

Guarantee

Contact Pro is covered by consumer legislation.

The purchase date appears on the guarantee certificate and must be supported by a receipt or other confirmation of purchase. The guarantee certificate must be filled in and signed by the seller.

The guarantee covers repairs and other alterations arising from any design or manufacturing faults. Repairs or alterations covered by the guarantee must only be carried out by Reperto AB or authorised service workshop. A copy of the guarantee certificate must always be attached. When service or guarantee repairs are required, the owner is responsible for shipping the equipment to Reperto AB.

The guarantee will become void if any party other than Reperto AB authorised service workshops carry out repairs or other alterations to the equipment during the guarantee period.

Reperto AB is not responsible for damages or costs arising from possible faults in the equipment. Under no circumstances will business losses be compensated.

The guarantee does not cover repairs or alterations necessitated by wear or incorrect use. The guarantee does not cover batteries.

Technical specifications

Frequency band: 433-434 MHz
Operating temperature: -15 C to +60 C

Receiver: RX PRO
Weight: approx 280 g
Operating time: approx 15 hours
Battery type: 2 (AA alkaline 1.5V such as Duracell)

Transmitter: TX PRO
Weight: approx 170 g
Operating time: approx 200-450 hours, depending on the equipment with or without bark counter
Battery type: 1 AA lithium 3.6 V, SAFT battery

Transmitter: TX CL. (Light)
Weight: approx 70 g
Operating time: approx 150 hours
Battery type: 1. AA alkaline 1.5 V, e.g. Duracell.
The manufacturer reserves the right to change the specifications without notice

Updates and alternative language versions of this manual are available for download from Reperto AB's website, www.reperto.se.

This product with the name **Contact Pro** contains the following:

Receiver: version **RX2004**
Transmitter: version **TX PRO** or **TX CL**.

Approved according to:

EN 300 220-1 V1.3.1 (2000-09)
EN 301 489-1 V1.5.1 (2004-11)
EN 301 489-3 V1.4.1 (2002-08)

R&TTE directive 1999/5/EC:

Summary of declaration of conformity: We hereby declare that the equipment RX2004 and TX PRO conforms to the basic requirements and other relevant requirements in the 1999/5/EC directive for radio equipment and telecommunications terminal equipment.

FOR EU MEMBER STATES

This symbol means: Do not mix this product with normal household waste. Observe your local municipality recycling instructions, or contact your retailer if you require information on handling spent electrical products.

Recycling this product contributes to the preservation of natural resources and prevents harmful impacts on the environment or to health resulting from inappropriate waste management.



Environmentally approved as per the Directive 2002/95/EC - RoHS and 2002/96/EC – WEEE

RoHS Compliant
Directive 2002/95/EC

Version 2.0

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