CHAMELEON ® IV
CTT4

CHAMELEON®

THE SCIENCE OF DESIGN

MARTIN®
SYSTEM

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DESCRIPTION

The kit composed by the **CTT 4** (Chameleon® Tactical Transmitter 4) and the collar **Chameleon® IV** is a bidirectional system used to train your dog and receiving information from your dog(s). The information is sent back from your **Chameleon® IV** to your CTT 4 :

- Skin contact
- Battery level
- Radio Quality of Signal (QoS)
- Collar temperature

The **Chameleon® IV** keeps all features of the Chameleon® IIIB, it provides discretion, comfort and the contact points position can be easily moved. The Chameleon® IV is waterproof and rechargeable via wireless charger or wired charger. The kit uses the highest technologies in the electronic collar industry and most of them are patented by Martin System®:

- The New High Tension Transformer - NHT (patented).
- The consistent reliable stimulation - S.S.C. («Stimulation à Sensation Constante») (patented).
- The Contact Measurement System - CMS (patented).
- The best quality contact points (made of marine grade stainless steel) that reduce the risk of chemical necrosis.

- The Chameleon® Patent offers:
  - An improvement of the skin contact as the contact points are on the side.
  - An easy way to change the position of the contact points to avoid mechanical necrosis.
  - An easy use of Feathers contact to have a 100% quality skin contact.
  - **Discreet** on the neck of your dog when you need discretion.

NHT Patented

The Martin System® patented NHT Transformer is about 1/8th the size of a standard transformer, with the same capacity of stimulation and consistent reliable stimulation.
The main benefits of using a NHT Transformer are:

- The smallest receiver with the longest battery life in standby.
- A stable stimulation even at high level when the battery is low.
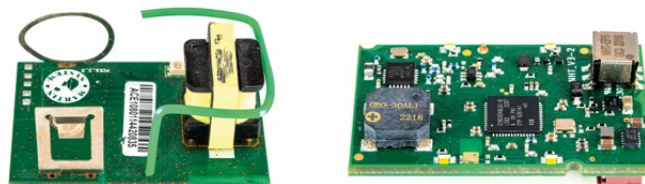
DOGGIFY APP

The CTT 4 with the backlit colored display can give you an easy access to the information's received from the collar and also the configuration of each button (mode and level). The CTT 4 is still compatible with all Martin System devices like:

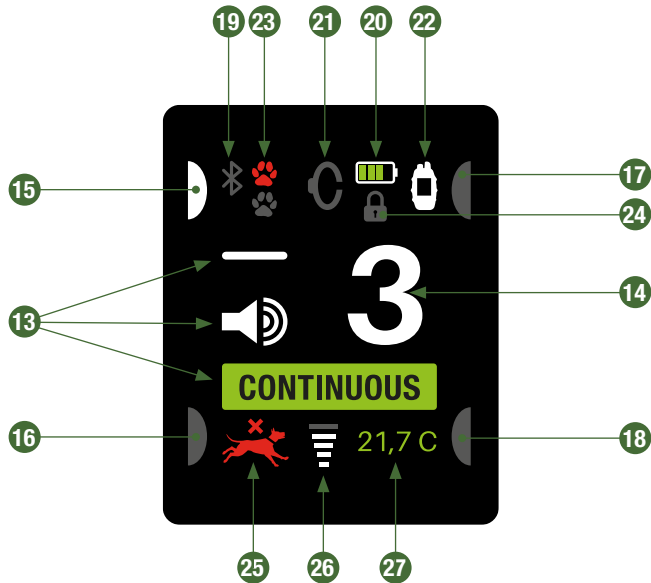- Finger Kick
- Dogtrophy
- Micro B
- Chameleon® IIIB

The remote and the collar are Bluetooth connected and can be customized via our App Doggify. A lot of settings can be customized via the App Doggify, ie:

- Number of Chameleon® IV channel (1 to 2)
- Failure notification of Chameleon® data (Tone/Vibration)
- Clicker
- Tone Marker
- Rising/Decreasing settings
- Stimulation Feedback

CTT 4 REMOTE

1 Stimulation button 1A

2 Stimulation button 1B

3 Stimulation button 2A

4 Stimulation button 2B

5 Short external antenna

6 Rotary knob (level)

7 Display (colored and backlite)

8 Magnet
(ON/OFF/pair a collar)

9 Program button

10 Lanyard attachment

11 USB charging plug

12 Wireless charging area

20 Battery Level of :

    a) Collar 1 if **21** C is visible.

    b) Collar 2 if **22** C is visible.

    c) CTT4 if **22** ▯ is visible.

23 Collar status, collar 1: upper paw - collar 2: lower paw:

a) 🐾 collar not available (CTT 4 is in 1 collar setting).

b) 🐾 collar available, but no collar already connected (when Bluetooth is in 2 channel setting).

c) 🐾 collar connected and all information's OK.

d) 🐾 collar connected and at least one data of the collar is not OK.

24 🔒 If visible, the rotation knob button is locked (not possible to change the level by turning the rotation knob).

25 **26** **27** **are related to the collar connected to the active button**

25 Skin contact data:

    a) OK: 🐕

    b) Not OK: 🐕

    c) Unavailable: 🐕

13 Program Mode

14 Stimulation Level

15 Button 1A Enabled

16 Button 1B Disabled

17 Button 2A Disabled

18 Button 2B Disabled

19 Bluetooth

26 Bidirectionnal Radio Quality Of Signal:

a) OK

b) Middle

c) Weak: (red)

d) Unavailable: **!** (red)

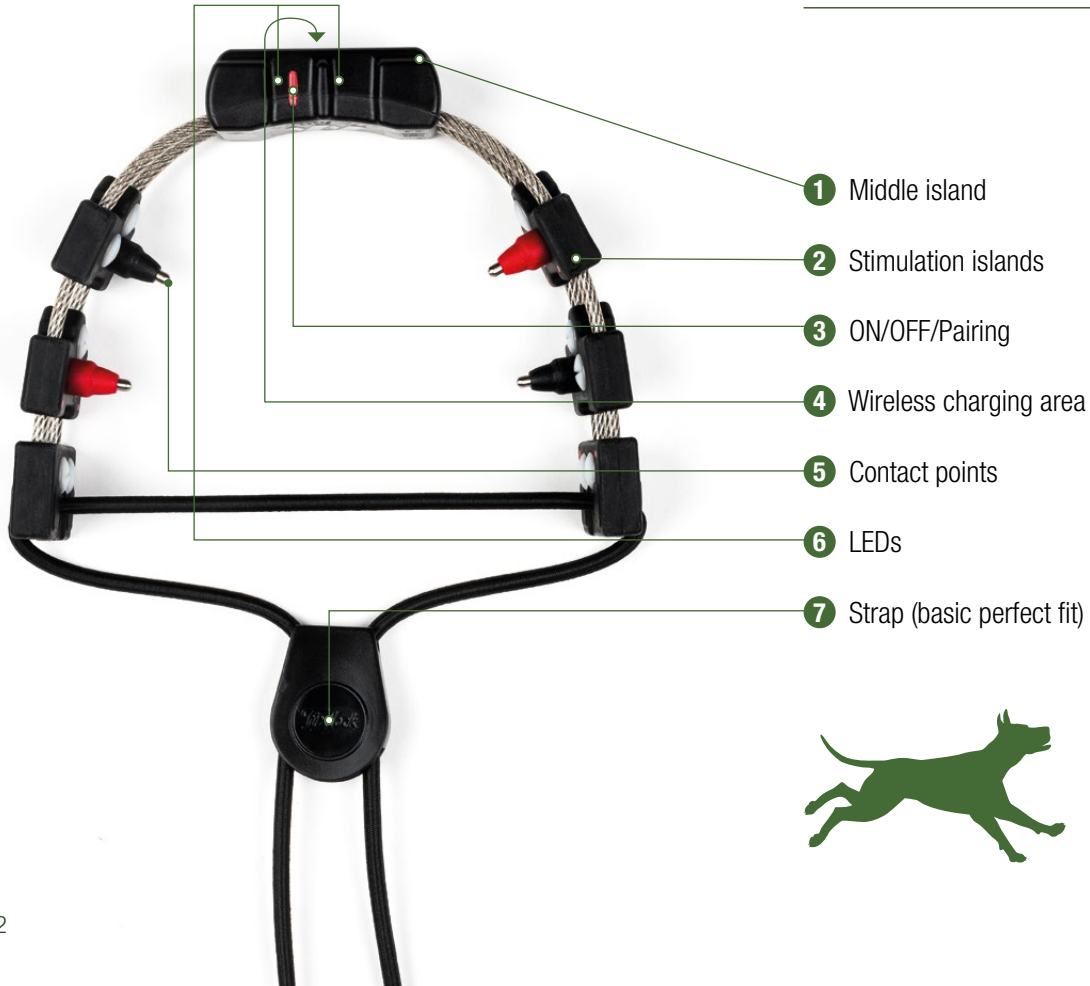**27** Temperature value:

a) If in Green: in valid defined range.

b) If in Red: Out of defined range (lower or higher).

c) If --- C or --- F: Unavailable.

CHAMELEON®
IV

CHAMELEON IV®

1. Middle island
2. Stimulation islands
3. ON/OFF/Pairing
4. Wireless charging area
5. Contact points
6. LEDs
7. Strap (basic perfect fit)

FINGER KICK

1 LED indication

2 Button

3 Strap

SWITCH THE TRANSMITTER ON/OFF

To turn the CTT 4 ON, briefly press and release any key ❶, ❷, ❸, ❹ or ❾. To switch OFF the transmitter, turn the rotary knob ❻ counterclockwise below level zero. The remote control turns OFF automatically after 3.5 hours without any activity. During the power down process, the CTT4 will try to switch OFF any known and paired collar to sleep mode. During power up process, the CTT4 will try to switch ON any known and paired collar from Sleep to standby mode (wake up the collar) See p.17.

SWITCH THE COLLAR ON/OFF

To Turn ON or OFF the collar, slide a magnet (external or the ❽ of the CTT4) on the ON/OFF/PAIRING point ❸ of the collar. During the Switch ON:

⮦ Ascending tone is emitted.
⮦ The collar starts the skin contact measurement. (clockwise turning LEDs)
⮦ The LEDs tell you the status of the skin contact measurement (see p.21)

If the collar is in Sleep mode (see below), slide the magnet to start the switch ON process.

WARNING

If the tone doesn't start with or after the first flashing of LEDs, the battery is empty or very low and you must recharge it.

During the switch OFF:
• Descending tone is emitted.
• The LED stop Flashing

COLLAR SLEEP MODE AND WAKE-UP

NEW : When the collar is connected and used by a CTT 4, it is possible to place the collar in a Sleep mode. The advantage of the sleep mode is that the collar will drain less battery than the Standby mode of the collar. To enable the Sleep mode, the collar must be ON, connected to the CTT 4:

⮦ The collar must be in bidirectional radio range of the CTT 4
⮦ Turn OFF the CTT 4 (dial under 0)
⮦ During the switch OFF process of the CTT 4, the remote will try to put the collar in SLEEP mode.
⮦ The collar will go In SLEEP mode.

To wake-up the collar, switch ON the CTT4:
- ◣ The collar will WAKE UP in few seconds.
- ◣ The collar will start immediately a Skin contact measure.
- ◣ The LEDs tell you the status of the skin contact measurement (see p.21)

WARNING
Due to the specific state of the collar, WAKE UP range is smaller than the switch OFF bidirectional radio range

PAIRING THE CHAMELEON® IV TO THE CTT 4

NOTE 1:
The CTT 4 can control up to two Chameleon® IV. The number of different communication channels of the CTT 4 is represented by the paws **23** displayed. If the second paw is Grey, the CTT 4 is set for one channel. Changing to a 2 dogs transmitter can be done with the free Doggify App. *CTT4 is always delivered as a 1 channel transmitter (for one dog where every stimulation button can be used).

NOTE 2:
The Chameleon® IV can be paired to up to 4 different transmitters (K9, PT3000), but to only 1 CTT 4.

A possible configuration is a Chameleon® IV paired to:
- ◣ 1 CTT4
- ◣ 2 K9
- ◣ 1 PT3000

Of course, the bidirectional capacity will only work with the CTT 4.
If you try to pair more than 4 transmitters, the last previously added transmitter will disappear.

To pair the Chameleon® IV to a remote (and a CTT 4):
- ◣ Hold the magnet (external or CTT 4 **8**) on the START/ STOP /PAIRING **3** of the collar.
- ◣ Wait until the collar's LEDs **7** flashes quickly and **TOGETHER**.

- Move the magnet away.
- Within 10 seconds, press the stimulation button of the transmitter (or on the connected Finger Kick)
- Press the button again to make sure the pairing is done correctly.
- The collar must react as the remote is set

BIDIRECTIONALITY / NEW

When the CHAMELEON® IV and the CTT 4 are correctly paired, the two devices switched ON and in radio range, the bidirectional communication will start automatically.
In a periodic timing, T seconds, information's are exchanged between the collar and the remote. The basic setting is to measure every 8 seconds.
The collar information's are:
- Skin contact status 25
- Battery Level 20 21 22
- Collar temperature 27
- Radio Quality of Signal 26

*When there is no bidirectional radio there will be the possibility to have radio frequency from transmitter to collar (but here there is no collar feedback.)
The periodic timing, T, can be modified with a free Doggify App.

If T decrease, the information's will arrive quickly, but the battery draw will increase (for both transmitter and collar). If T increase, the exchange of information will be less reactive, but will save the battery of the collar.
By default, T = 8 seconds.
If no information is received within 10 seconds, the unavailable status will be displayed for each data. (red paw and red antenna)
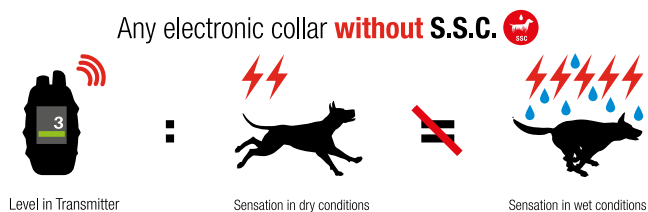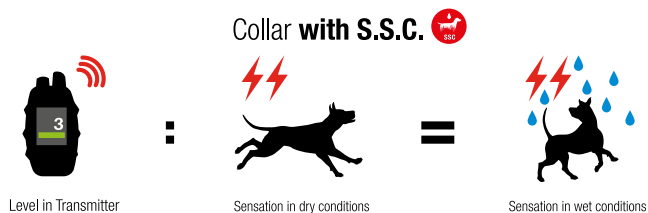
SSC & SKIN CONTACT MEASUREMENT

The Chameleon® IV is equipped with the patented S.S.C stimulation:
- Measure at stimulation the dog's skin condition.
- Instantly adapt the stimulation energy to keep a constant and reliable sensation felt by the dog.

This technology avoids the risk of accidental overstimulation due to constantly changing environmental factors.
With the help of this technology, the Martin System® product and especially the Chameleon® IV can make Skin contact measurement with immediate feedback on transmitter (not in the water or in the first moment when the dog comes out of the water).

Collar **with S.S.C.** 🐕

| Level in Transmitter | Sensation in dry conditions | Sensation in wet conditions |

Any electronic collar **without** S.S.C. 🐕

| Level in Transmitter | Sensation in dry conditions | Sensation in wet conditions |

There are three ways to check the quality of the skin contact with the Chameleon® IV:

1/ With the LEDs of the collar:
- When bad contact is detected, the LEDs flash quickly and alternatively (in clockwise direction).
- When good contact is detected, two opposite LEDs blink every three seconds.
- Occur every time the skin contact is enabled
- Skin contact measurement is enabled at start-up of the collar during max. 2 minutes or stop after the first stimulation when linked with a PT3000 or a K9

2/ With the CTT 4
The picto (23) and (25) give indication of the last skin contact measurement received in bidirectionality. The reception of the data is done periodically, every 8 seconds by default. Can be adjust by Doggify.
- In this scenario, the contact measurement is restarted for 10 seconds on the collar every time the data is asked by the CTT 4.

3/ With a free Doggify App
When the collar is connected to Doggify, if Doggify doesn't receive any skin contact data for 10 seconds, it restarts the measurement for 30 seconds.

TIP
1/ Chameleon® IV Large settings
In some conditions and especially with Chameleon® IV large, some external parasitic elements can be added, like moisture, snap closure too tight, ... In this case, the skin contact measurement is not working.
If this happen, you can enable via free Doggify App the parameter "Large size" to increases the quality of the contact measurement.

2/ Sensitive dog

Exceptionnaly, a very sensitive dog can feel the skin contact measurement.

For that reason, enable "Sensitive dog" parameter in Doggify Unfortunately, with this parameter enabled, if the dog has a thick and/or dry skin, the contact measurement can not be detected.

STIMULATION LEVEL

The stimulation level **14** shown on the display of the CTT 4 is corresponding to the active stimulation button (white picto **15**, **16**, **17** or **18**)

Each button can be programmed individually.

To modify the level:

- ► Select the desired stimulation button by either a short and consecutive press on the program button **9** or by directly pressing the desired stimulation button **1**, **2**, **3** or **4**.
- ► The corresponding picto will be enabled ((white picto **15**, **16**, **17** or **18**)
- ► Turn the rotary knob **6** to select a stimulation level (from 0* to 18)

  *Level 0 is always a clicker unless "Clicker on level 0" is disabled in Doggify. Alternatively, the program can be tuned via our Doggify App.

TO LOCK/UNLOCK ALL STIMULATION LEVEL / **NEW**

- ► Keep pressing the program button **9**
- ► Turn the rotary knob for at least 5 "clicks".
- ► The Lock picto **24** is displayed, the levels are locked. (display of "lock" is above the Level display)

To unlock, follow the locking procedure, the Lock picto will disappear.
+If the transmitter is locked, you must unlock it to switch off the transmitter normally.

OPERATING MODE (Available Operating Mode **13**) :

🔇) —	**Continuous** Stimulation
🔊) —	**Continuous** Stimulation **with sound**
🔇) ⊓	**Flash** Stimulation (short stimulation)
🔊) ⊓	**Flash** Stimulation **with sound** (short stimulation)
🔇) ⟋	**Rising** Stimulation (increasing stimulation from a defined level until the button is released)
🔊) ⟋	**Rising** Stimulation **with sound** (increasing stimulation from a defined level until the button is released)
🔇) ⟍	**Decreasing** Stimulation (decreasing stimulation from a defined level until the button is released)
🔊) ⟍	**Decreasing** Stimulation **with sound** (decreasing stimulation from a defined level until the button is released)
🔊) ⌐_	**Warning Tone** (audible signal + vibration only if the button is pressed briefly, and stimulation if pressed for more than 1 second)

By factory setting, tone is always delivered together with vibration, this can be changed with the free DOGGIFY App

The operating mode **13** shown on the display of the CTT 4 is corresponding to the active stimulation button
(white picto **15**, **16**, **17** or **18**).
Each button can be programmed individually, to modify the operating mode:

➤ Select the desired button by either a short and consecutive press on the program button **9** or by directly pressing the desired stimulation button **1**, **2**, **3** or **4**. By pressing the desired stimulation button, you are stimulating the collar.

➤ The corresponding picto will be enabled
(white picto **15**, **16**, **17** or **18**).

➤ Keep the program button **9** pressed, all operating mode will be shown in sequence.

➤ Release the program button **9** at the operating mode of your choice.

Alternatively, all operating modes can be tuned via our Doggify App.

UNPAIR A CHAMELEON® IV AND THE CTT 4

Due to the bidirectionality, to unpair a Chameleon® IV and a CTT 4 it needs to be done in following order.

1/ Clean the Chameleon® IV

1. Position and hold the magnet (standalone or in the transmitter) next to the ON/OFF/Pairing point **3** of the receiver.

2. Wait until the LEDs blink quickly and simultaneously.

3. Move the magnet at least 1 meter away for about 3 seconds.

4. Slide again the magnet (standalone or in the transmitter) next to the ON/OFF/Pairing point **3** of the receiver

➤ The LEDs stop flashing quickly and simultaneously.

➤ The pairing is erased for all paired transmitters.

2/ Clean the CTT 4

1. Push and hold the program button **9** and one of the corresponding stimulation buttons of your collar **1**, **2**, **3** or **4**.

2. A flashing Finger Kick icon should appear on the screen.

3. Release all buttons for 2 seconds.

4. Press again the program button **9**.

5. The screen must come back to the normal mode and corresponding paw **23** of your collar must be white.

If the id of the collar is not cleaned first, a press on the stimulation button will link again the CHAMELEON® IV to the CTT 4.

HOW TO PAIR/USE A FINGER KICK

1. Push and hold the program button **9** and one of the corresponding stimulation button of your collar **1**, **2**, **3** or **4** together until a flashing Finger Kick icon appears on the screen.
2. Release all buttons
3. Press the button of your Finger Kick
4. The screen must come back to the normal mode.
5. Press again the Finger Kick button to confirm the pairing (Level of the CTT 4 must blink).
6. Repeat if this was not successful.

To use the Finger Kick, press the Finger Kick button instead of the CTT 4 paired button.

INSTALLING DOGGIFY

Search and install the application DOGGIFY on your smartphone. Or scan the QR code:
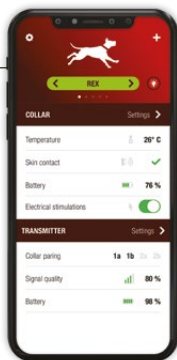
HOW TO PAIR THE CTT 4 TO DOGGIFY

▸ Follow the instruction in Doggify
▸ During the pairing process, you will need to enter a pairing ID in your phone. This ID will be displayed on the screen of your CTT 4.

HOW TO PAIR THE CHAMELEON® IV TO DOGGIFY

1. Follow the instruction in Doggify
   ▸ The device connects to your collar receiver.
2. Accept the pairing.
   ▸ The LEDS of the Chameleon® IV will flash quickly to confirm the pairing.
3. In the next 30 seconds and to ensure the pairing with the proper Chameleon® IV, slide again the magnet next to the ON/OFF/pairing point **3** of the receiver.

▸ A green check sign is displayed on the application screen.
▸ The collar receiver is paired with your smartphone.

CHECKING THE STIMULATION

To check the correct operation of the collar receiver, you need the indicator lamp. (test light)

1. Attach the alligator clips to the contact points. (a red and a black, consecutive or mirror images are positive and negative poles)

2. Send one or more stimulations with your remote control.

▶ If the receiver is working correctly, the test light illuminates with each impulse (the higher the level, the brighter the illumination).

▶ If the test light does not light for levels higher than 1, check with Doggify if the stimulation is enabled.

▶ it is normal that the test light will blink very weak at contact measurement
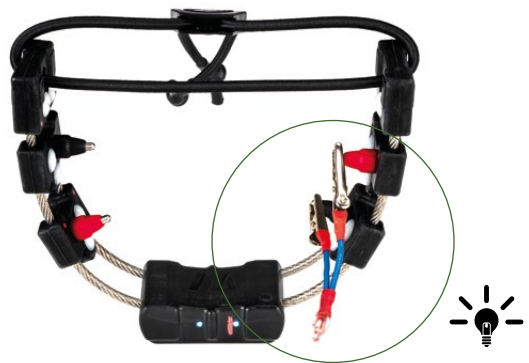
CHARGING THE CTT 4

Wireless Charging

1. Connect the power supply to an appropriate power source.

2. Place the back of the transmitter on the induction charging plate.

3. Check the green battery icon on the transmitter.

▶ The wireless picto is displayed:

▶ Flashing: the battery is charging.

▶ Continuous: the battery is charged.

The device can be hot when charging.

USB Charging

1. Connect the power supply to an appropriate power source.

2. Connect the USB cable in the device.

3. Check the green battery icon on the transmitter.

▶ The USB picto is displayed:

▶ Flashing: the battery is charging.

▶ Continuous: the battery is charged.

CHARGING THE CHAMELEON® IV

Wireless Charging

1. Connect the power supply to a power source.
2. Place the central island of the collar face down on the charger (centrally/in the middle).
3. Check the LED on the collar receiver:
   - ◣ Flashing: the battery is charging.
   - ◣ Continuous: the battery is charged.
   - ◣ No change (off or standby): centre the collar on the charger and check that the charger is correctly supplied.
   - ◣ A fully charged Chameleon® IV can last up to 5 days in standby.

Charging with the alligator clips

1. Connect the power supply to the charging cradle. (transparent)
2. Connect the power supply to a power source (mains, 12 V cigarette lighter socket...).
   - ◣ A LED on the charging cradle lights continuously.

3. Attach the red alligator clip on a red contact point in a red island.
4. Attach the black alligator clip on a black contact point in a black island (not on the plastic).

If you are using the feather contacts, you can clip the alligator clips on the feathers.

5. Plug the red terminal of your charging cable into the socket above the bump and the red dot.

NO WARRANTY !
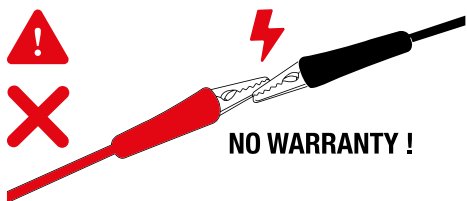
6. Plug the black terminal into the other socket of the cradle.
   ◣ If the receiver is correctly connected, the battery automatically charges.

7. Check the LED on the collar receiver:
   ◣ Flashing: the battery is charging.
   ◣ Continuous: the battery is charged.

No change (off or standby): reverse the polarity of the alligator clips and recheck

◣ A fully charged Chameleon® IV can last up to 5 days in standby.

CHAMELEON® IV SIZES

The medium collar (26 cm - 10 in)
◣ Dimensions: 262 x 28 x 18 mm (10 x 11 x 7 in)
   + elastic perfect fit
◣ Weight: 126 g
◣ 3 islands on each side for contact points.

The large collar (33 cm - 13 in)
- Dimensions: 329 x 28 x 18 mm (13 x 11 x 7 in)
  + elastic perfect fit
- Weight: 147 g
- 4 islands on each side for contact points.

CONTACT POINTS

All sets are delivered with 4 × 15-mm (0.59 in) contact points, 2 red and 2 black (19-mm (0.75 in) contact points are available separately).

- Screw the red contact points on the red islands (marked on the inside with a red dot).
- Screw the black contact points on the black islands.

- To enable the stimulation, you need at least one contact on a red island and one on a black island to close the electric circuit.
- The rule of stimulation is:
  - The less contact points, the more the dog perceives the stimulation.
  - The more contact points, the less the dog perceives the stimulation.
- Change the position of the contact points to reduce the risk of necrosis and avoid desensitization of the dog to the electronic stimulation.

PRECAUTION OF USE

- We strongly recommend following our NePoPo® Silver school before using any training collar (info@nepopo.com).
- Do not leave the collar around the dog's neck for long periods.
- The pressure and the friction of the contact points may irritate the skin.
- Every day, check the dog for roughness, irritated skin or cuts in the area in contact with the contact points.
If this is the case:
- Remove the collar immediately.

- Administer the appropriate care.
- Wait until the dog has healed completely before using a collar.
- If the skin condition does not improve, consult a veterinarian.
- Every week, disinfect the dog's neck and the contact points. Use a sponge or a towel soaked with a disinfecting solution.
- If the dog is in poor health, consult a veterinarian before using a training collar.
- Regularly check that the contact points are securely attached (finger tight) and locked in place.
- Never leave the collar receiver close to a transmitter or a magnet that may pair or unpair the collar unexpectedly.

MAINTENANCE

- Clean the product after each use.
- Keep the CTT 4 and Chameleon® IV in a dry place and at room temperature when not in use.
- For warranty reasons, it is not allowed to open the devices.
- CTT 4 is waterproof.
- Chameleon® IV is waterproof.
- Finger Kick is waterproof.

TECHNICAL SPECIFICATIONS

	◣ CTT 4 / Chameleon® IV	◣ Finger Kick
Dimensions (mm)	126 x 64 x 28	27 x 30 x 17
Weight (g)	152,2	6
Power supply	Battery Lipo 3,6V 100mAh	CR1225 V lithium battery
Range	Up to 1000m	Up to 20m
UHF frequency **UHF** power	869.5 MHz < 500 mW	2.4GHZ < 1mW
Antenna	External	Internal
Nbr **stimulation level**	18	NA
Operating **Temperature**	-10°C to 40°C 14°F to 104°F	-10°C to 40°C 14°F to 104°F
Waterproof	Yes	Yes

RECYCLING

Standards applicable to waste electrical and electronic devices state that they must be recycled.

If you are no longer using this material or if it cannot be repaired, do not throw it away in the usual household rubbish. Return it to the vendor or contact Martin System® customer service for further information.

WARRANTY

MARTIN SYSTEM® guarantees its equipment against man-ufacturing defects for 2 years, covering parts and labor. This warranty covers all faults that occur under normal operating conditions.

Faults arising from accidents and/or improper use are not covered. The warranty does not cover any of the following:

- The replacement of batteries.
- The replacement of the strap.
- The transport risks involved in returning the product to **MARTIN SYSTEM**®.
- The damage to the product as a result of negligence or an error on the part of the user.
- The damage to the product as a result of repairs made by nonauthorized persons.
- The liability for damage caused by the improper use of the product or a breakdown.

In the case of a defect, the device will, at **MARTIN SYSTEM**® discretion, be repaired or exchanged.

To benefit from this warranty, you must send to **MARTIN SYSTEM**®, within ten days, the warranty certificate that accompanies the device. The warranty does not cover devices for which the warranty certificate has not been filled in and returned to **MARTIN SYSTEM**®.

CONFORMITY

DECLARATION OF "CE" CONFORMITY
Declaration of Conformity (DoC) Directive R&TTE 1999/5/CE
MARTIN SYSTEM®
declares that the **Chameleon® IV and CTT 4** complies with all the terms of the European Directive
Nº 1999/5/CE of 07/04/99

And complies with the following standards: SAFETY (art 3.1.a): EN 60950 / EMC (art 3.1.b): EN 300.489-3 V1.4.1 SPECTRUM (art 3.2): EN 300.220-3 V1.1.1
Place and date of this document: Lantin, 15 january 2024

MARTIN SYSTEM®
Rue Joseph Martin, 35 - 4450 LANTIN - BELGIUM
Signed by or for the manufacturer:
Name : Michael Bellon / Position : Director

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THE SCIENCE OF DESIGN ◣