

## Comparison of the most popular Martin System™ Collar Receivers and Transmitters

Because Martin System™ gear is interchangeable, this will be a discussion of receivers and transmitters. At the end of the discussion, there will be a table of product sets and individual products. All the transmitters in this description are compatible with all the receivers. If a customer does not find a set that is ideal, the customer can cherry pick the items and make an original custom made set that will be easy to set up.

### I. The popular receivers: the micro, the Chameleon® 2 and the Chameleon® 3

The functionality of the micro, the Chameleon® II and the Chameleon® III is the same. The micro is a small traditional box that is rechargeable. Chameleon® II charges by induction and the Chameleon® III charges by cable. The Chameleon® II has sizes to fit dogs with a neck circumference of 30 cm or larger. The Chameleon® III has a size to fits the tiny breeds to very large. The construction of the Chameleon® III is more robust due to the use of stainless steel on one cable to connect the islands instead of connection of the islands one by one with copper wire (as is the construction of the Chameleon® II). The micro can be fitted with a Chameleon® Extender to take on the patented mechanical advantages of the Chameleon®: you can move the contact points, the contact points will not be on the heaviest part of the collar (the box) and you can have a double contact possibility (functioning as if with two receivers). Additionally, with the Chameleon® extender, the micro will never flip, an occurrence that can happen with any box receiver.

The micro, the Chameleon® 2 and the Chameleon® 3 come standard with the following features:

Click, sound, vibration, and an electrostatic stimulation system

Four (4) different default modes:

- Clicker
- Stimulation (flash/ nick, continuous and rising)
- Sound (tone) with vibration and stimulation (flash/ nick, continuous and rising)
- Warning tone and vibration (auditory signal with no stimulation but with vibration) followed by sound, vibration, and continuous stimulation

USB Emily makes it possible to change certain parameters of the micro and the Chameleon® 2 and 3 collar receivers. Parameters can be changed for "all levels" or customized for only specific levels. See [www.martinsystemshop.com](http://www.martinsystemshop.com) for more information on USB Emily.

The micro, the Chameleon® 2 and the Chameleon® 3 are all rechargeable. Only the Chameleon® 2 charges by induction. The micro can accept 1 master (can be paired to one transmitter) and the Chameleon® 2 and 3 can be paired to up to 4 transmitters. With USB Emily, the micro can be changed to accept 4 masters.

The Chameleon® 3 is only sold as a set that includes the TT4FK and the Finger-Kick. The micro and the Chameleon® 2 can be purchased separately.

The micro, the Chameleon® 2 and the Chameleon® 3 all have the following patented features that are animal friendly and helpful for the best communication:

#### 1. Contact Measurements System (CMS) Patented by Martin Systems™

When the collar is on, the CMS will check for contact with the skin. (Both contacts must touch the skin for proper contact.) While the CMS is checking for contact, the lights will flash quickly and in a circular pattern. The CMS will check for two minutes, and then it will stop checking for contact after two minutes to conserve battery even if there is no contact. When there is contact anytime within two minutes, the LED display shows one steady light blinking: on, off, on, off (every three seconds). USB Emily is an optional accessory that can change the default settings of the CMS. The CMS will also stop after depressing any button/Finger-Kick on an identification code to which the micro or Chameleon® Collar Receiver is paired.



## 2. Stimulation a Sensation Constant (SSC) Receiver Specification (Patented by Martin System™)

The micro and Chameleon® Collar Receivers are equipped with the patented S.S.C. stimulation meaning that the receiver is constantly measuring the conditions of the skin from the dog to be certain that the sensation felt by the dog is constant at a certain level regardless of changes in resistance or impedance. This is very important if you train in the water or under extreme weather conditions. Example: you cannot overstimulate your dog when he comes out of the water because the S.S.C. receiver automatically reduces the stimulation to make sure that level 4 is still felt as level 4 without the user having to turn the level lower.

The SSC System functions like the thermostat control in a house. If the thermostat is set to 20 °C, the boiler output will be greater in winter because of the negative temperature (- 10 °C) than with a positive temperature (+10 °C). The power consumption may vary but the ambient temperature remains the same inside the house.

Due to this exclusive patented Martin System™ invention, it is finally possible to quantify each level of the product. This technical innovation constitutes a considerable advantage for the animal and the user. The user can thus rely on a product with a stimulation intensity adapted to his/her wishes and the needs of the animal.

*“Comparison of Electronic Sensation With and Without the Patented S.S.C. in a wet environment”*

**CHAMELEON®**  
THE SCIENCE OF DESIGN  
**MARTIN SYSTEM™**

**SSC\* - Stimulation à Sensation Constante**  
This feature is present in all the Martin System™ collar receivers

Collars Tiny and Pro and the Chameleon® line with SSC:  
The same sensation under varying conditions.

Stimulation level 3

Identical perception of stimulation

Dry dog Dog in the water Wet dog

Collars without SSC:  
Different sensation due to different conditions.

Stimulation level 3

Different perception of stimulation

Dry dog Dog in the water Wet dog

\*EP1968359  
\*US Patent 8020522

Whatever the conditions, humidity of the hairs of the dog, the diameter and size and nature of the electrodes or the thickness of the dog hair, the SSC technology guarantees a constant perception of sensation for your animal. This technology is patented and is exclusive to Martin System™.

This is a patent with the welfare of your animal in mind. Experience it for yourself.

Briefly, the patented SSC system maintains the stimulation sensation at a constant level, whatever the operating conditions. This exclusive system is fitted to the micro and Chameleon® 2 and 3 collar receivers.

## II. The most popular transmitters: the TT4FK, the PT3000, and the CTT®

The TT4FK is a simple transmitter made for one dog and has one preset button to pair a Finger-Kick. The PT3000 and the CTT® has 2 independent identification codes (can be used for 2 dogs) and can accommodate up to 4 Finger-Kicks. The CTT® is designed to work only with Finger-Kicks to make it fully water proof (although it has a simple SOS mode where it can work without Finger-Kicks). The PT3000 has buttons that can be used on the transmitter in addition to using Finger-Kicks. The TT4FK and the PT3000 are water resistant but not waterproof. All three transmitters can be paired to the micro, the Chameleon® 2 and the Chameleon® 3.

All the transmitters are compatible with the patented Finger-Kick which is a ring around the finger that can control the remote. Thanks to the Hands-Free "Finger Kick" you can go about your daily business while maintaining immediate control of your pet. The TT4FK can be paired with one Finger-Kick and the PT3000 and the CTT® can be paired with up to 4 Finger-Kicks.

The CTT® and the PT3000 have the following:

- Level "0" is clicker.
- Stimulation with tone and vibration
- Stimulation without tone and vibration
- Flash stimulation (1/4 second) with tone and vibration
- Flash stimulation (1/4 second) without tone and vibration
- Rising stimulation with tone and vibration
- Rising stimulation without tone and vibration
- Warning tone (1second) followed by stimulation with tone and vibration
- 18 stimulation levels

The TT4FK (that comes in the Chameleon® III set) comes with default mode as same levels of PT3000 1-8, with 0 being a clicker and 9 being the same as level 11 on the PT3000. The user can boost the levels to give the output range of the PT3000 1,3,5, 7,10,12,14,16,18.). One noticeable difference between the transmitter of the TT4FK and the PT3000 is that on the TT4FK, you can only use 1 Finger-Kick independently. The PT3000 allows up to 4 independent finger-kicks to be paired.

An easy and economic solution if you would like to add finger-kicks to your Chameleon® III set up is: buy a second TT4FK and that TT4FK comes with a finger-kick. The TT4FK bundle which includes the TT4FK and a Finger-Kick only costs a little more than a finger-kick for the transmitter and the Finger-Kick. You can set your first transmitter on default and your second on the ramped up (for example).

Note that the Chameleon® III does NOT charge via induction, but can be used on all very small to very large dogs. The Chameleon® II only fits medium to very large dogs.

Micro	Chameleon® III	Chameleon® II
Charges by cable (cable charging kit provided)	Charges by cable (cable charging kit provided)	Charges by cable and by induction (induction charging kit provided)
	Available for small, medium and large dogs	Available for medium to large dogs (dog neck circumference must be at least 30 cm)
	Suitable for Smaller Neck sizes (Size: 20cm + Elastic) Suitable for Medium Neck sizes (Size: 26cm + Elastic) Suitable for largest Neck sizes (Size: 33cm + Elastic)	The Single Contact Chameleon® collar is 28 cm in length. It is recommended that the mid neck of the dog be at least 30 cm to wear the Single Contact Chameleon® receiver. If the dog's mid neck circumference is larger or equal to 37 cm, please consider the Double Contact Chameleon® Collar Receiver.
Not compatible with feather contacts (unless worn on a Chameleon® Extender)	Compatible with feather contacts	Compatible with feather contacts
193,27€ without VAT	577,69€ without VAT (comes in a set with the TT4FK and a Finger-Kick)	825,60€ without VAT

<b>TT4FK</b>	<b>PT3000</b>	<b>CTT®</b>
Water resistant	Water resistant	Fully waterproof
Internal antenna	External antenna	Internal antenna
One dog transmitter One preset button	Transmitter for up to 2 dogs 4 preset buttons	Transmitter for up to 2 dogs 4 preset buttons (cannot push them. Only can push on transmitter for stimulation in SOS mode)
Accepts one Finger-Kick and always comes with one Finger-Kick	Accepts up to 4 Finger-Kicks	Accepts up to 4 Finger-Kicks and always comes with one Finger-Kick
Rechargeable	CR2 battery	Charges by induction
Range: with micro 400m With Chameleon II and III 200m	Range: 3000m with micro in optimal conditions 600m with Chameleon® II and III	Range: in optimal conditions 600m with 2018 and later Chameleons® and 1000m with micro
199€ without VAT	267,11€ without VAT	825,60€ without VAT

Sets:

[\[Bundle\] CHAMELEON® III LARGE & TT4FK & FINGER KICK](#) 577,69€ without VAT

[\[Bundle\] CHAMELEON® III MEDIUM & TT4FK & FINGER KICK](#) 577,69€ without VAT

[\[Bundle\] CHAMELEON® III SMALL & TT4FK & FINGER KICK](#) 577,69€ without VAT

[\[Bundle\] SET CTT CHAMELEON® 2 DOUBLE CONTACT & FINGER KICK](#) 1689,63€ without VAT

[\[Bundle\] SET CTT CHAMELEON® 2 SINGLE CONTACT & FINGER KICK](#) 1689,63€ without VAT

[\[Bundle\] SET PT3000 CHAMELEON® 2 DOUBLE CONTACT & FINGER KICK](#) 1159,07€ without VAT

[\[Bundle\] SET PT3000 CHAMELEON® 2 SINGLE CONTACT & FINGER KICK](#) 1159,07€ without VAT

[\[Bundle\] PRO TRAINER 3000 S.S.C. + FINGER KICK](#) 369,20€ without VAT

[\[Bundle\] TINY TRAINER 4 FINGER KICK & MICRO COLLAR ON EXTENDER CEMS MEDIUM & FEATHERS](#) 615,75€ without VAT



[\[Bundle\] TINY TRAINER 4 FINGER KICK & MICRO COLLAR ON EXTENDER CEMS LARGE & FEATHERS](#) 648,18€ without VAT

[\[Bundle\] TINY TRAINER 4 FINGER KICK & MICRO COLLAR ON EXTENDER CEMS SMALL & FEATHERS](#) 582,98€ without VAT

A la Carte:

[PAIR OF FEATHER CONTACTS FOR CHAMELEON®](#) 19,83€ without VAT

[\[Bundle\] FINGER KICK](#) 127,36€ without VAT

[\[Bundle\] SET TINY TRAINER FOR FINGER KICK \(includes Finger-Kick\)](#) 199,00€ without VAT

[\[Bundle\] PT3000 REMOTE CONTROL](#) 267,11€ without VAT

[\[Bundle\] CTT® REMOTE CONTROL & FINGER KICK](#) 825,60€ without VAT

[\[Bundle\] CHAMELEON® 2 DOUBLE CONTACT](#) 825,60€ without VAT

[\[Bundle\] CHAMELEON® 2 SINGLE CONTACT](#) 825,60€ without VAT

[\[Bundle\] EXTRA MICRO COLLAR S.S.C](#) 193,27€ without VAT

[\[Bundle\] CHAMELEON® EXTENDER MARTIN SYSTEM SMALL](#) 182,93€ without VAT

[\[Bundle\] CHAMELEON® EXTENDER MARTIN SYSTEM MEDIUM](#) 215,70€ without VAT

[\[Bundle\] CHAMELEON® EXTENDER MARTIN SYSTEM LARGE](#) 248,13€ without VAT