

Technical Specifications

- Bite alarm receiver compatible with all brands (with the exception of alarms with in-built emitters)
- Multifunction receiver :
 - Bite alarm receiver mode with choice of tone and led colour
 - Bite alarm receiver mode for two simultaneous sets of rods (up to eight alarms)
 - Single bite alarm receiver mode in conjunction with our volumetric infrared presence detection device **ATROCARP SPY**
 - Multiple bait alarms receiver and two Atrocarp Spy or two water level fluctuation detection devices mode
 - Simultaneous multifunction receiver
- No frequency codes to set. Automatic recognition of factory set bite emitters or presence and water level detecting devices.
- Cyclic automatic range test (2mn) available.
- Distinctive tone and led colour for each set of bite alarms and for movement and water level detection devices.
- Real time indication of bites or signals sent by water level or presence indication devices.
- Multi colour LEDs (three shades)
- 10 seconds latching memory
- Low battery level indication through specific LED
- 85dB (at 30 cm) loudspeaker
- Highly durable cabling and stainless steel connectors
- Battery expectancy in sleep mode :
 - Approx. 200 hours for the receiver.
 - Approx. 720 hours for the emitter.
 - Approx. 15 000 for the EMAG Mk1 individual wireless emitters.
 - Approx. 1300 hours for the presence indication device ATROCARP SPY
 - 3000 hours for the water level detection device.
- Radio range of 200 to 400m depending on weather conditions and terrain
- FM waves of 433.92 MHZ
- Recommended ambient temperatures for optimal use : between -10°C and +55°C

Accessories compatible with the ATROCARP ENDURO II remote

| | |
|--------------------------------|--|
| Extra four ways emitter | Additional HF emitter for an extra four rods <ul style="list-style-type: none"> ○ Compatible with the following brands: CARP SOUNDER, DELKIM, FBI, FOX, MACK2, NUCLEO, MITCHELL, OPTONIC, SERT, etc. ○ Low battery indication |
| EMAG Mk1 | Individual HF emitter <ul style="list-style-type: none"> ○ Compatible with the following brands: CARP SOUNDER, DELKIM, FBI, FOX, MACK2, NUCLEO, MITCHELL, OPTONIC, SERT, etc. |
| SPY II | Volumetric infrared HF movement detection device with a 110° spectrum over a 12m distance <ul style="list-style-type: none"> ○ Designed for night time use ○ Invisible in the dark (the blue LED switches itself off). Integrated filter for animals ○ low battery level indication through red LED, and transmission of low battery signal to receiver |
| NEMO | Water level fluctuations HF alarm <ul style="list-style-type: none"> ○ Not sensitive to splashes, only registers constant levels and significant fluctuations ○ Low battery level indication ○ Golden arms sensor |



You have chosen the ATROCARP ENDURO II remote system and we thank you for that.

This set-up combines concept innovation with the latest available technologies. Its thorough conception and construction will ensure ease of use and reliability in the toughest of conditions.

ATROCARP ENDURO is a micro processor operated remote able to receive simultaneously two separate sets of rods (up to twice four rods) and two movement detection devices ATROCARP SPY or two water level fluctuation alarms NEMO.

ATROCARP ENDURO enables you to use a single remote to monitor two separate sets of rods during competitions or long sessions. It will not only enable you to register any line movement without delay in transmission, but also to monitor changes in water level or intruders in your swim.

Dear angler, in order for you to get the best out of your ATROCARP ENDURO II, we advise you to read carefully the instructions manual provided.

This set contains:

- 1 remote receiver
 - 1 four way emitter box (version ENDURO II)
 - 1 set of instructions
- or
- 1 remote receiver
 - 1 volumetric infrared night time detection device (version ENDURO II ALARME)
 - 1 set of instructions
- or
- 1 remote receiver
 - 3 or 4 EMAG (version ENDURO II EMAG)
 - 1 set of instructions



Setting up and using the system

1. Connect the batteries (9v type PP3/6LR61) in the various devices. The Emag is already equipped with a LR03 battery.
2. Plug the emitter box cables into your bite alarms. If using the individual emitters Emag, please make sure you place them in the right order (the Emags are numbered from one to four, printed underneath).
3. Switch all the EMITTERS on (alarm emitter box, infrared...) the blue LED of the ATROCARP SPY will flash when ready to register.
4. The individual emitters MK1 do not have a switch; simply plug them into each bite alarm.
5. Now switch the receiver on using the side switch.
6. The receiver goes into synchronization mode as soon as it is switched on. The four LEDs will start the following cycle:
 - Simultaneous flashing of four LEDs in RED-waiting for an infrared device detection : channel IR1
 - Simultaneous flashing of four LEDs in GREEN-waiting for an infrared device detection : channel IR2
 - Flashing of LEDs in RED in a linear sequence-waiting for a signal to register alarms 1 to 4
 - Flashing of LEDs in GREEN in a linear sequence-waiting for a signal to register alarms 5 to 8

In order to register the alarms in the receiver simply switch them on one after the other (in no particular order), whilst the desired channel is flashing in a linear sequence. Your receiver will then be synchronized with your emitters and will not suffer from interferences from any other ATROCARP emitters around.

This operation is has to be carried out every time the system is set up. On the other hand, you can switch the alarms off for positioning the lines and hangers and switch them back on; they will still be synchronized as long as the receiver has not been switched off.

It is not necessary to synchronize all the channels for the system to operate. If for example you are fishing with two rods, you only need to register two alarms, as the recognition mode of the receiver will stop automatically after a few seconds of not received new signals, leaving it to work with whatever has been synchronized.

All permutations are therefore possible, from single alarm receiver to multiple rods and SPY or NEMO devices.

The receiver ATROCARP ENDURO generates three different tones and three different LED colours to differentiate between the different set of rods and also the different accessories (SPY and NEMO)

- RED colour and tone 1 for bite alarms 1 to 4,
- GREEN LED and tone 2 for bite alarms 5 to 8,
- MIXED GREEN/ RED colour and tone 3 for simultaneous takes on 1 and 5, 2 and 6, etc...

In the event of a simultaneous take on both number one alarms of the two monitored sets of rods, the latching 10 seconds will be of the colour of the last bite to have registered.

If using the ENDURO II receiver with the ATROCARP SPY device, the detection of a perpendicular movement by a SPY box will be shown on the received in the form of a flashing LED on the relevant channel and the emission of a sound. The SPY box has priority over bite detection on any given channel.

An automated range test works with all modules except the Emags MK1.

It takes place every 2mn in average and produces a swift flash of the LEDs synchronized. This enables you to ensure you are within range of your bite alarms at all times. You can program this test on the emitters. In order to validate the automated test mode, simply produce a signal from one of the bite alarms whilst the emitter box has got its LED flashing (straight after it being switched on).

All boxes have an integrated low battery warning system. As for the Emag, batteries should be changed as soon as a noticeable drop in signal quality occurs. The Led will flash red instead of green when registering a bite.

For optimal results, the ATROCARP ENDURO II also integrates two trouble shooting software routines:

Bite alarm output blocked on a positive voltage:

If when switching on the emitter box the blue LED stays permanently on, it indicates that one of the bites alarms it is connected to have a voltage output default: switch the box off and check bite alarms individually.

Trouble shooting 2 : radio frequency disruption:

If when switching the receiver on the LEDs flash in a disorderly manner and odd sounds are produced, it indicates a disruption of the radio frequency channel. Switch the receiver off and back on. If the problem persists, change position and try again.

CAUTION

- **Fix all appliances vertically with the bolt facing downwards.**
- **Fix the ATROCARP SPY on a bank stick so that it is kept at at least one metre from the ground. Ensure there are no obstacles in the detection field of the spy box, as these would alter its efficiency, or potentially create false alarms (i.e. in case of strong gales).**
- **Do not use the SPY II in conditions of changing lights or in a vehicle were temperatures could rise above 45°C.**
- **If any of the modules has suffered total immersion, please switch off, retrieve battery and allow sufficient time for drying out.**
- **In heavy rain conditions, if you notice afterwards any condensation in the battery compartment, please leave open to dry properly.**
- **Never stock the modules for long periods whilst damp or with empty batteries connected.**
- **Do not attempt to dismantle aerials.**
- **Do not attempt to open the modules, (even if no longer under guarantee) as the printed circuits are sensitive to electrostatic charges.**
- **Do not use solvents to clean the boxes, a damp cloth is recommended.**

3 years guarantee conditions :

Subject to conditions stated below ATROPA Technologie guarantees their products, **ENDURO II, SPY II, NEMO, Emag Mk1** only against defects in workmanship or materials of its mechanical and electronic component parts for the period of 3 years from the date of purchase.

Claims under this guarantee need to be given our agreement in written form before the defective product can be returned to us. Postage for returning a defective product will always have to be paid by the buyer himself. Defective products that have been given the ok by us to be returned have to be sent to us within the 3 year guarantee period.

The guarantee only includes the claim to get a new product or repair of the defective product / part depending on the kind of defect.

This guarantee excludes all damage caused through accident, misuse, wear and tear, neglect, incorrect installation and alternations or adjustments made to the product.

The guarantee only includes the points mentioned in these guarantee conditions.

The manufacturer will not take any responsibility for any kind of direct or indirect material damage or damage to humans caused by misuse etc. (see above).

Claims have to be made within 8 days after purchase in written form. We will not accept returned goods that have been send to us without our agreement in written form in advance. Before a product can be returned to us the buyer will need our agreement in written form. The postage for returning a defective product to us will always have to be paid by the buyer.

ATROPA Technologie reserves the right to modify or alter specifications in any respect without prior notice.

Designed and made in France by **ATROPA TECHNOLOGIE**

Solutions innovantes pour pêcheurs exigeants

Z.A. Les Vallons - 83630 Bauduen - France

+33 (0) 494 855 026

www.atropa-technologie.com

