

*Campagnolo*

**ErgoBrain**

TECHNOLOGY AND INNOVATION

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news

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• ErgoBrain

Innovations  
for 2000

Innovations for 2000

## ErgoBrain

Campagnolo takes a giant leap into the digital universe with a product, which highlights advanced design based on more than sixty years of racing experience. Sharing in the symbiosis with the greatest champions of the century, it marks the debut of a computer designed specifically for road racing. Developed to ensure perfect integration with all Campagnolo components and to provide top-flight performances in terms of both ergonomics and function.

The most evident feature of this new computer is its design. The streamlined shape and the mounting position in front of the handlebar stem ensures that there are no negative aerodynamic effects, unlike conventional computers, while at the same time as improving overall styling and appearance. Yet where this product really excels is its performance.



ErgoBrain can boast great many new records:

The first and only integrated computer capable of learning without having to program the combination of sprockets in use. Wheel changes can even be made during races without losing any functions (patented).

The first and only integrated computer capable of adapting itself to the effective calibration of the front derailleur. While always providing precise information about power transmission (patented), without the inaccuracies typical of other products.

The first and only integrated computer to indicate not only the position of the chain but also the number of teeth for the chainring and sprocket in use.

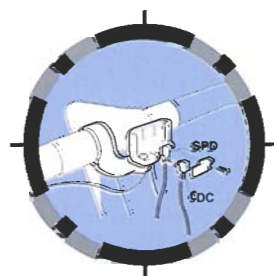




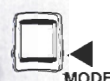
The first and only integrated computer with a pedal cadence magnet, which can be mounted rapidly inside the pedal axle (with the new Campagnolo Pro-Fit), for superb styling and function (patented).



The first and only integrated computer with detachable pedal cadence and speed sensors.



The first and only integrated computer with seven pre-programmed sprocket combinations. As well as the possibility of freely programming any other combination.



COG 11-21  
COG 11-23  
COG 12-21  
COG 12-23  
COG 13-23  
COG 13-26  
COG 13-28  
FREE

The first and only integrated computer, which can store two wheel circumferences, each associated with a sprocket combination with resolution of 1mm.

The first and only integrated computer fitted with an EEPROM chip, which allows for updates of the initial settings and battery change without the need to reprogram.

There are also many other extremely useful functions such as pedal cadence, stopwatch (partial times), distance covered, automatic start/stop, above/below average indicator, a clock, and naturally, all the classic functions of conventional bicycle computers.

Yet perhaps the most extraordinary feature of this innovative computer is ease of use. Immediate and intuitive, the ErgoBrain is operated just like any ordinary bike computer. Except the self-learning functions make both initial programming and subsequent reprogramming (if required) even easier and quicker than ever.







## ErgoBrain 10

ErgoBrain will soon be available in a version for the 10-speed drivetrain.

This version, depending on the mount used, is compatible with both the 9-speed groupsets (9x2 and 9x3) and the 10-speed groupsets (10x2 only). Providing 5 important additional functions: retro-illumination for nighttime training and 4 acoustic functions for training without having to always glance at the display.



The retro-illumination switches on when a function is activated. As soon as the buttons are touched, it remains on long enough to read the display or select a new screen. When the computer returns to stand-by, at the end of the training session, the function is automatically disabled to avoid accidental use during daytime rides.

The four acoustic functions are designed to provide effective input for serious training.

The first acoustic function is for speed training, and beeps when performance drops below the pre-set threshold. It is extremely valuable for triathlon and time-trial specialists.

The second function covers pedal cadence and intervenes when the rider is pedaling below the programmed rate. At that point it will emit a beep with

every pedal stroke. This is an essential back up for the growing numbers of riders who prefer this approach to training and wish to avoid the distraction of having to glance all the time at the computer screen.

The third function is designed for training sessions involving sprint-and-rest bursts. Scanning the high-effort and recovery periods, and at the same time as giving a countdown through to the end of each period. This time-related function can also be used for great results in combination with a heart-rate monitor.

The last acoustic function is also the most sophisticated and is designed for pedal cadence training sessions together with a cycle of sprint-and-rest bursts. Thus combining the acoustic signals of the two previous functions.

All these functions are extremely simple to program and use. Since the very essence of this sophisticated computer is to make training schedules simpler, and more efficient. While at the same time providing more precise and complete monitoring of race performance.

### ErgoBrain Technical features

- Integrated with Ergopower control levers
- Compatible with all Ergopower 9 Speed '99 and 2000 control levers
- Self-learning of sprocket settings
- Self-calibration of the front derailleur sensor
- Eeprom storage avoids re-programming after changing the battery
- 7 pre-programmed sprockets packs + free combinations
- Detachable speed and pedal cadence sensors
- Double wheel circumference, each with a specific sprocket combination
- Chainring in use plus indication of the number of teeth
- Sprocket in use plus indication of the number of teeth
- "Hideaway" pedal cadence magnet (optional)
- Pedal stroke/pedal cadence
- Progression
- Automatic start-stop
- Timer
- Current speed
- Maximum speed
- Average speed
- Actual-average comparison
- Distance covered
- Total distance
- Elapsed time
- Stopwatch (partial timing)
- Stopwatch - maximum speed
- Stopwatch - average speed
- Stopwatch - distance

### ErgoBrain 10 Additional features

- Compatible with the 10x2 drivetrain
- 5 extra pre-programmed sprocket combinations (10 Speed)
- Retro-illumination
- 4 acoustic functions:
  - Minimum speed
  - Minimum pedal cadence
  - Sprint-and-rest bursts
  - Sprint-and-rest bursts + minimum pedal cadence

