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**NOW IT IS EASIER TO
 "STOP" THE TIME!**

*The advantage of wireless timing and transmitting of the star number?
 The convenience of storing all the start, intermediate and finish times automatically?
 An efficient transmission range of over 9 kilometers?**
 The security of maximum reliability and accuracy?

Many qualities, but just one name: Linkgate EncRadio by Microgate.

Microgate has long been a leader in the radio transmission of timing impulses. In this **new version of LINKGATE EncRadio** Microgate wants to go even further: now it is possible to transmit via radio not only the time but **also the bib number**.

What is more, to avoid annoying inconveniences, we have maximised its strength and operating reliability even in extreme weather conditions.

The system, consisting of a very small **EncRadio** (for impulse transmission) and a **DecRadio** (for reception), is available in two models, **Multi and Single Frequency** - each with different features:

LINKGATE ENCRADIO MF (Multi Frequency)

- transmission of start, finish and 14 intermediate impulses
- acquisition via radio of 16 passing speeds from the same number of timing zones
- management with a single transmitter of a number of consecutive times
- retransmission of an unreceived signal, also repeatedly, even after a long time lapse
- automatic storing of start, intermediate and finish times
- simple setting of one of the 32 work frequencies available
- selection of transmission channel
- transmission accuracy (better than ± 0.4 thousandths of a second) even when transmission disturbance is particularly severe
- smart recharge management

LINKGATE ENCRADIO SF (Single Frequency)

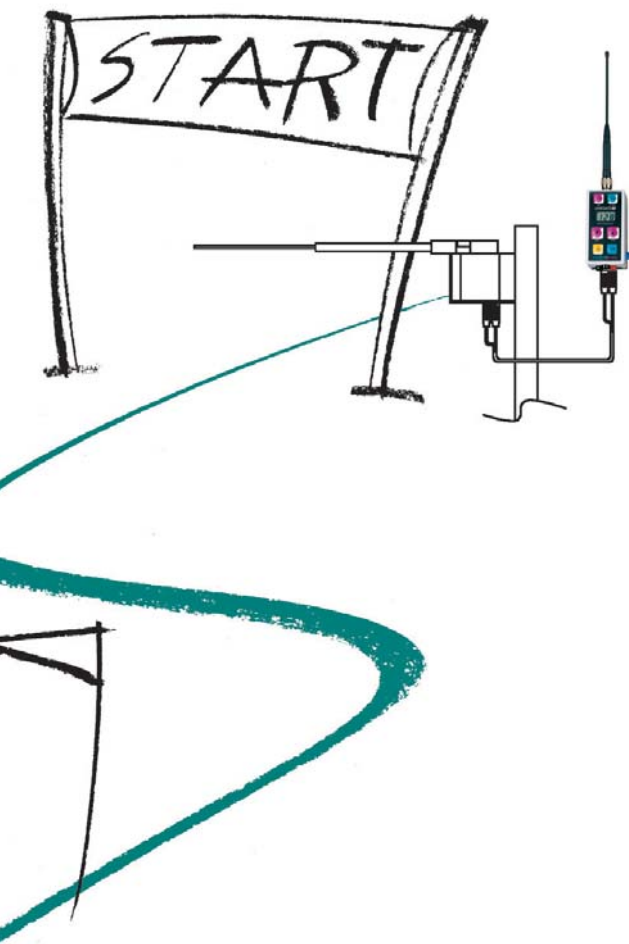
- transmission of start impulse
- selection of transmission channel
- transmission accuracy (better than ± 0.4 thousandths of a second) even when transmission disturbance is particularly severe
- smart recharge management

Each model is available in two versions (with different radio modules), both homologated and licence free (usable without the need for any kind of licence):

- **10 mW radio module**, transmits to over 2 Km in normal conditions
- **new 500 mW radio module**, transmits to over 9 Km in normal conditions

LINKGATE can be used with the **Racetime2** and **Rei2** chronometers, allows remote control of the μ TAB alphanumeric displayboards and the μ GRAPH graphic displayboards and, thanks to a technological and commercial partnership with the American company **Lynx System Developers**, can now be used with the photofinish **FinishLynx**.

* Approximate average value depending on conditions of use.



Linkgate Encradio MF (multi frequency)



Linkgate EncRadio MF

Weight	110 g
Size	110 x 50 x 27 mm (l x h x p)
Transmission mode	Digital FSK transmission; redundancy code with accuracy of information check and auto-correction
Trans. impulse accuracy	± 0.4 ms
Speed measurement resolution	1.22*10 ⁻⁴ s (1/8192s)
Time base	4 MHz Quartz ±5 ppm between -25° and +70°C
Precision	±0.425 s/day for external temperatures between -25° and +70°C
Operating temperature	-25°/+70°C
Power supply	- Rechargeable lithium batteries - Smart recharge management
Autonomy	- Over 5000 events in the 10 mW version - Over 2000 events in the 500 mW version - Indication of remaining charge - Visual and acoustic signalling of low battery
Processing unit	C-MOS 8 bit microprocessor
Keyboard and controls	- Signal, Repeat and Modem keys, 2 arrow and second function keys - key ON/OFF - Software selection from 16 positions of type of signal transmitted (Start, Lap 1..14, Stop) - Software selection of long/short signal - Software selection of transmission channel
Memory	256 times, 256 speeds and the bib number
Radio transmission	For transmission EncRadio uses data of the shortband UHF FM modules on the free 433 MHz frequency. The transmitter is equipped with a microprocessor frequency synthesizer. Power output: 10 mW and 500 mW
Connections	- Input signal on Ø 4mm socket for normally open contact - Auxiliary input on Ø 4mm socket to take speeds (contact normally open) - "Modem" input on Ø 4mm socket (accepts RS232 levels or TTL) - Transmission via radio of stored data

Linkgate EncRadio SF (single frequency)



Linkgate EncRadio SF

Weight	110 g
Size	110 x 50 x 27 mm (l x h x p)
Transmission mode	Digital FSK transmission; redundancy code with accuracy of information check and auto-correction
Trans. impulse accuracy	± 0.4 ms
Time base	4 MHz Quartz ±5 ppm between -25° and +70°C
Precision	±0.425 s/day for external temperatures between -25° and +70°C
Operating temperature	-25°/+70°C
Power supply	- Rechargeable lithium batteries - Smart recharge management
Autonomy	- Over 5000 events in the 10 mW version - Over 2000 events in the 500 mW version - Indication of remaining charge - Visual and acoustic signalling of low battery
Processing unit	C-MOS 8 bit microprocessor
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