



## MOSTRAC FALSE START SYSTEM

### Economic Light start monitoring systems for athletics competitions.

Based on the already known and proven „STARTTIME V“, but this time assisted by *MoSen*, wireless motion sensors, this false start measurement system will allow you to control simultaneously, up to 10 departure lanes. Different sounds for start and false start automatic recall.

Two major advantages:

- 1) Being wireless, this system is easy to set up and simple and intuitive to use.
- 2) The MoSen are adaptable to any starting block already in your possession.

#### The set includes:

- The StartTime V, MOSTRAC
- e-Gun
- Starter headset with microphone
- Three loudspeaker (with cables-50m total)
- 8 MoSen in their charger case
- 16 fixing clips to stick (double side tape provided)
- Tripod for StartTime V
- Power supply to recharge StartTime and MoSen
- Aluminium transportation case

#### Optional:

- Additional Loudspeakers (up to 8 in total)
- External Flash for disabled hearing impacted athletes
- Additional MoSen in their charger case
- Wireless recaller

### TOP FEATURES

- Measurement of reaction time for athletics sprint races up to 10 lanes and up to 3 wireless recaller.
- Cheaper alternative to ASC3 system.
- Works on any starting block.
- No cable to starting block.
- Electronic starting system - E-gun - included
- Fully working on internal battery
- System certified by World Athletics



## MOSEN SPECIFICATIONS

- Working temperature -20°C to + 60°C
- Battery autonomy: 8 - 10 hours
- Charging Time: 2,5 hours
- Dimensions: 57 x 46 x 27 mm
- Weight: 40 g
- Protection: IP55
- Wireless transmission: 868MHz or 916MHz band\*  
\* Depends on country legislation
- Self-discharge time: 6 month if not in use



## LOUDSPEAKER

The loudspeaker, wired to StarTime V, transmits the starter's instructions, the gunshot, and the possible false start signal.

- Dimensions: 180 x 190 x 215 mm
- Weight: 2.0 kg
- Accoustic signals:  
False start 113 dB @ 1m.  
Gun shot 111 dB @ 1m.
- Connectors: 2 x Tuchel 4p MT



## E-GUN SPECIFICATIONS

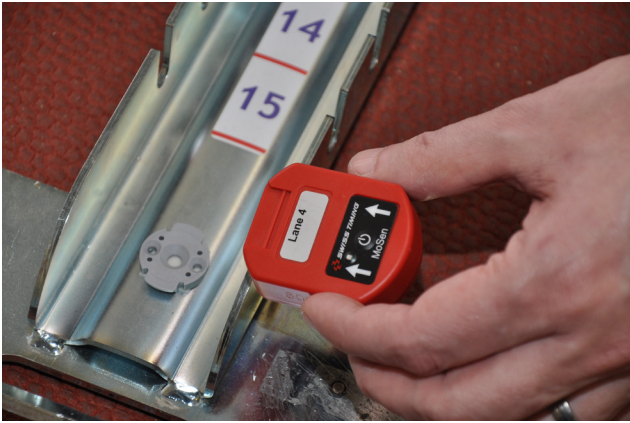
- Dimensions: 280 x 35 x 140 mm
- Weight: 820 gr (with cable)
- Cable lenght: 7.0 m.
- Power supply: Provided by StartTime
- Flash duration: 0.1 sec
- Flash visibility: Sun visible >200 m.
- Flash viewing angle: 360° horizontal
- Flash viewing angle: 90° vertical
- Operating temperature: -10°C to + 50°C
- Storage temperature: -20°C to + 70°C
- Protection: IP64
- Certifications: CE and RoHS compliant



## STARTTIME V MOSTRAC SPECIFICATIONS

- Dimensions: 400 x 192 x 140 mm
- Weight: 6.0 kg
- Power supply: Integrated 12V/7Ah Lead/acid battery
- Connections: microphone/e-Gun, Photofinish, external flash, external speaker, line out and charger.
- Charger: Included (indoor only)
- Max accoustic signal: Gun shot 104 dB @ 1m  
False start 103 dB @ 1m
- Timing precision: 1ms
- Data connections: RS422 to timing room
- Protection: IP43
- Operating temperature: 0°C to +70°C
- Storage temperature: -10°C to +50°C
- Certifications: CE and RoHS compliant
- Ethernet connection to display starting curves on a tablet/laptop

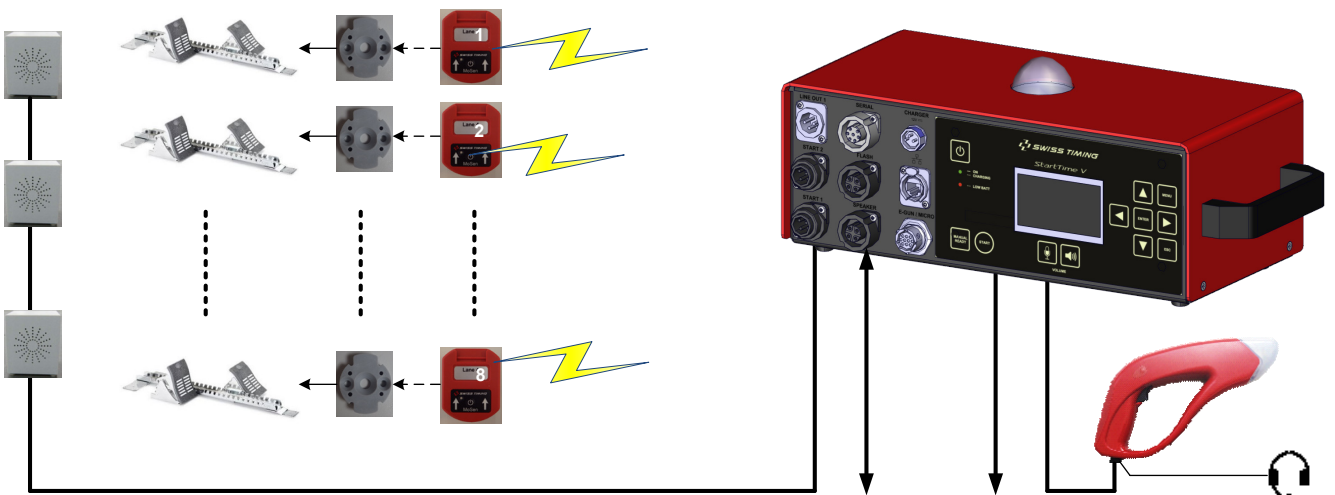




Fixing clips are permanently fixed on starting blocks. MoSen is then easily mounted, dismounted on the clip without any tool.

StartTime screen displays status of MoSen (wireless connectivity and battery level), and reaction time. Reaction times are automatically sent to Photofinish by a RS422 line. System compatible with Swiss Timing cabling for ASC2 and ASC3.

### BLOCK DIAGRAM



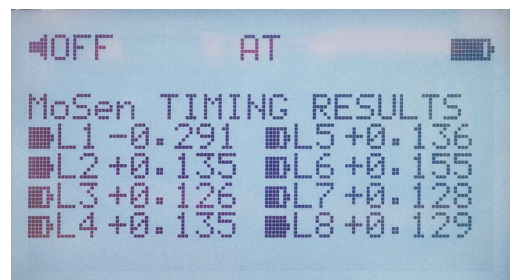
START/READY RS422

PHOTOFINISH

### TO ORDER:

REGION	NUMBER	FREQU.
EUROPE	3508.900	868MHZ
UNITED KINGDOM	3508.900.GB	868MHZ
SWITZERLAND	3508.900.CH	868MHZ
NORTH AMERICA	3508.900.US	916MHZ

Display detail







**Rue de l'Envers 1  
CH-2606 Corgémont  
Switzerland**

Monaco, 7 February 2022

TO WHOM IT MAY CONCERN

Technological devices other than the reaction time measuring module of the Start Information System (SIS) (e.g. Timing Systems, Wind Gauges, Distance Measuring Equipment etc.) used in athletics are not issued a certificate by World Athletics and therefore no certified lists for such devices are available.

The MOSTRAC accelerometer based reaction time measuring device of the SIS by Swiss Timing Ltd (firmware 3.561, catalogue 3508.9xx) meets the current requirements for a World Athletics Product Certificate.

All measuring equipment used in the competition shall be manufactured and calibrated according to international standards. The accuracy has to be guaranteed by the manufacturer according to the relevant international standards and shall have been verified by an appropriate organisation accredited by the national measurement authority.

To our knowledge and experience, the equipment of Swiss Timing Ltd meets this condition and is also successfully used in international athletics competitions organised under World Athletics Rules and Regulations.

Sincerely,

A handwritten signature in black ink, appearing to read 'Imre Mátraházi'.

Imre MÁTRAHÁZI  
**Technical Services Senior Manager**  
Competition & Events Department

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f i t y

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