

TECHNICAL SPECIFICATIONS – SMARTSPEED LITE TIMING SYSTEM

FEATURE COMPARISON

Feature	SMARTSPEED LITE	SMARTSPEED
Hardware/Firmware		
ECP break algorithm	Standard	Standard
PE cell range	5m	7m
Wireless range	Up to 400m [#]	Up to 400m
Battery	2300 MAh NiMH	2300 MAh NiMH
Interchangeable battery	By distributor	By Repair centre
Water resistant (rain)	Standard	Standard
Compatibility		
SMARTSCAN	Standard	Standard
SMARTCAPTURE/SMARTLINK	Upgrade	Standard
SMARTJUMP	Standard (no feedback)	Standard
Hand start pad	Standard	Standard
SMARTSYNC	Standard	Standard
Software		
Track protocols	Standard	Standard
Track return	Standard	Standard
Cuts	Upgrade*	Standard
Serpentine	Upgrade*	Standard
Grids	Upgrade*	Standard
Lap	Standard	Standard
Lap Interval	Standard	Standard
Pacing	Upgrade*	Standard
Jump testing	Standard	Standard
Jump feedback	Upgrade*	Standard

Long range version to be released in mid 2010

*Upgrade must also include hardware

LICENSE UPGRADES AND LITE UNIT FUNCTIONALITY

The SMARTSPEED Lite PDA/Sleeve combination (sold separately as SMARTSPLIT Lite) is limited to drills which are included in the TRACK, TRACK RETURN, LAP and JUMPING (test only, no feedback) protocol sections.

If a customer chooses to upgrade their system by adding the full SMARTSPEED remote units, they can also purchase a number of PDA software upgrades to unlock protocol families on the PDA.

The following software upgrades are available to SMARTSPEED LITE customers -

- Smartlink/Smartcapture enabled
- Jump feedback(only with hardware upgrade)
- Cutting drills upgrade – enables all cutting drills (requires at least two pro gates)
 - Need to make it that if lite gates sent a flash all messages they ignore it
- Pacing upgrade – requires minimum 2 pro gates
- Serpentine upgrade – requires minimum 2 Pro gates
- Grid upgrade – requires minimum 4 pro gates

For example, a customer wishes to be able to run the 1-1-2 and 0-1-2-1 cutting drills with their system. In order to add this functionality to their system, they would need to purchase –

- 2 x SMARTSPEED full remote units
- The cutting drill software upgrade

NOTE – although by purchasing the cutting drill upgrade, the customer theoretically has access to the 0-1-3 cutting drill, the system will not allow them to run this protocol, as they require 3 full gates in order for the light commands to work properly.

SMARTSPED LITE gates can be used interchangeably with full SMARTSPEED units, in any situation where only the green light is required to be displayed by that gate. For example, a LITE gate could be used –

- As a jump testing station with SMARTJUMP, but the feedback will be disabled
- As the start gate and trigger in a 1-1-2 cutting drill (i.e. the 1-1 part of the drill)
- As the start gate in a reaction time cut drill

A SMARTSPEED LITE gate cannot be used –

- In any situation where a light may be required to flash a different colour to blue – for example in a grid, serpentine or pacing drill
- In Jump Test Feedback mode – if a LITE gate is scanned at the beginning of the session, the Feedback options will be disabled in the options tab.