



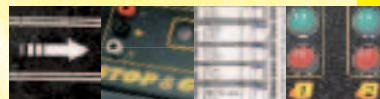
# 2004 catalogue

► Electric Model Car Racing for the Enthusiast ◀



"Just imagine... We did it!"

## The best range of lap counters and software for Slot races!



- ▶ High quality and universal usage.
- ▶ It can be used in any track system.
- ▶ It can control from 2 to 32 track lanes.
- ▶ Get for free the "Winslot 2.002" programme.
- ▶ Direct connection to computer.
- ▶ 13 different competition categories.
- ▶ 4 digits per lane.
- ▶ Permanent memory function.
- ▶ Infrared sensors.
- ▶ Connection to Stop & Go box for power supply control.
- ▶ Driver control by means of DS-Card Control.
- ▶ 3 years warranty.



> technology and simplicity at your hand.



## Do you need anything else?

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"DS Electronic Racing Products" is in continuous evolution so characteristics of the products may change without notice.

All "DS Electronic Racing Products" have one year warranty!

# Universal Lap Counter

## > LAP COUNTER

# DS-200 PRO

- Complete lap counter for one or two lane tracks, specially for RALLY-SLOT, ENDURANCE, GT, FORMULA 1 and DRAGSTER RACES, together with the starting lights "Dragster Box Set" (ref. DS-0060).
- Easily connected to a coin control system, token or our card system "DS Card Control" (ref. DS-0062).
- We provide you with the key data transmission in order for you to make your own software.

**Includes free demo software for PC!**



**PRO**  
SERIES

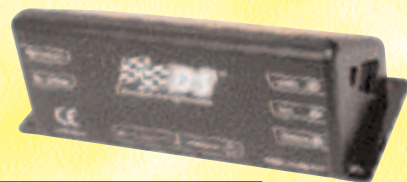
Ref. DS-2000

**[ FOR ANY KIND OF SLOT TRACK ]**  
**[ FOR 1 OR 2 LANES ]**



For the correct working of this lap counter you need a power supply of 12 V. maximum and at least 1 A. of direct current. We recommend the DS Power Supply - reference DS-0050.

You should also choose the sensor you want to use for the track: infrared bridge, track section with "dead section"...

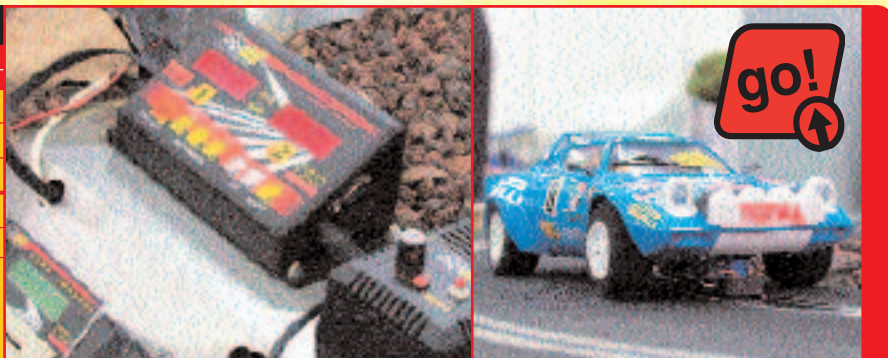


## Technical data

- **13 different programmes for races:** Endurance, Rally-Slot, GT, Training, F-1, Dragsters, etc...combined with the different control and track systems.
- **4 digits per lane.** Quick and easy reading of timing/laps, with only one button.
- **PERMANENT programming.** The device memorises the programming until next change (although it may be disconnected)
- It is the **only lap counter** designed for **DRAGSTER** races, together with "Dragster Box Set" light starting signal.
- Specific programming for **RALLY-SLOT** races:
  - **Maximum time for a section.**
  - **Shows laps/timing in seconds** during the race.
  - Once the section has finished, **the lap counter shows time recorded: seconds, tenth, hundredth and thousandth of second.**
  - **Part timing of lap.**
  - **Beep signal when last lap.**
  - **Race number programming.**
  - It is prepared to work with intelligent chip card "DS Card Control" (ref.DS-0062).
- **Time programming:** Maximum 10 hours. Minimum 10 seconds.
- **Lap programming:** Maximum 9999 laps. Minimum 1 lap.
- **Minimal time programming between lap and lap** in order to avoid recording more laps due to another car or object. Thus, we can programme a minimal time per lap with a close record to the average time per lap. You will be able to make motor tests with the cable V-shaped (ref.DS-0018), recording the top speed, partial timing of a particular track section.
- **Programming the desired car control system:** **TOTAL** or **INDEPENDENT** lanes, for any kind of race.
- **Programming the start with power on the track** (for instance, keeping an eye on the lights and penalising one lap the car passing under the bridge before the lights are red) or **without power on the track** (for instance: the traditional system where models start at the same time, due to the control of the "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061).
- **Track power control:** Cars always stop at the end of the race, due to the power cut form the "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061), if installed.
- **PAUSE option.** We can stop the race and the time record, so we can continue the race from the same point.
- **RS-232C switch** for PC connection. The cable is not supplied with the lap counter; we recommend the cable manufactured by DS, with reference DS-0052.
- **Lap counter supplied with free demo software.** We supply the transmission information in order that you can produce your own software. The minimum required hardware/software is: Pentium II, with OS Windows 98 / XP, 64 MB RAM, 20 free MB in Hard Disc and COM RS-232C.
- Display of:
  - **Lap timing** of every lane when the car is crossing the sensor.
  - **Time spend or time left for the finishing** the race, during or at the end of the race.
  - **3 fastest laps time record** of each lane during or at the end of the race.
  - **Partial timing** of each lap for Rally-Slot.
  - **Total time** record at the end of the programmed laps for each lane, at the end of the race.
  - **Timing data** displayed in: **thousands and tenth thousands of a second.**
  - **Blinking of the winner lane.**
  - **Blinking of the best lap time record** of the race.
  - **Red/green lights** for visual control of the race start.
  - **Acoustic signals** for: programming, start, last lap, end of race, pause and fastest lap.
- **Connection** to our card readers "DS Card Control" (ref. DS-0062), with a card like the ones used at the telephones, for the control of races, drivers, track renting, etc...

### Programming chart

Programme	Time Control		Track Control	
	ON	OFF	Individual	Total
P.ti (Time programme)	✓	✓		✓
P.La (Laps programme)	✓	✓	✓	✓
P.F1 (Formula 1)	✓	✓	✓	✓
P.dr (Dragsters)				
P.t (Minimum time per lane programming)				
P.r (Rally-Slot)	P.rA (Rally lap programming)			
	P.to (Programming the maximum time of section)			
	P.do (Programming the race number)			



**High quality and UNIVERSAL system!**

# Universal Lap Counter

## > LAP COUNTER

# DS-300 PRO

- Modular lap counter from 2 to 8 lanes, especially for **SPEED** and **ENDURANCE** races.
- Lap counter especially suitable for 4 or more track lanes.
- Easily adapted to a control system of coin, token or our card control system "DS Card Control" (ref. DS-0062).
- We provide the data transfer in order for you to create your own software.

**Includes free demo software for PC!**



**PRO**  
SERIES

Ref. DS-3000

**[FOR ANY KIND OF SLOT TRACK]  
MODULAR SYSTEM FORM 1 TO 8 LANES]**



**[ EASY WIRELESS CONNECTION ]**



**NEW**

### > Ref. DS-0094 **REMOTE CONTROLLER**

Remote controller for the DS-300. Allows remote using of your lap counter without wiring. The receptor unit is switched to the lap counter. The controller needs 9 V. batteries.



## Technical data

- **11 different programmes for races:** Endurance, Rally-Slot, GT, Training, F-1, etc... combined with the different track and control systems.
- **4 digits per lane.** Quick and easy reading of timing and laps, with one only button.
- **PERMANENT programming.** The device memorises the programming until next change (although it may be disconnected)
- **Time programming:** Maximum 10 hours. Minimum 10 seconds.
- **Lap programming:** Maximum 9999 laps. Minimum 1 lap.
- **Minimal time programming between lap and lap** in order to avoid recording more laps due to another car or object. Thus, we can programme a minimal time per lap with a close record to the average time per lap. You will be able to make motor tests with the cable V-shaped (ref. DS-0018), recording the top speed, partial timing of a particular track section.
- **Programming the desired car control system:** **TOTAL** or **INDEPENDENT** lanes, for any kind of race.
- **Programming the start with power on the track** (for instance, keeping an eye on the lights and penalising one lap the car passing under the bridge before the lights are red) **or without power on the track** (for instance: the traditional system where models start at the same time, due to the control of the "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061).
- **Track power control:** Cars always stop at the end of the race, due to the power cut form the "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061), if installed.
- **PAUSE option.** We can stop the race and the time recorded, so we can continue the race from the same point.
- **Extendable to 8 lanes** by means of 2 lane modules.
- **RS-232C switch** for PC connection. The cable is not supplied with the lap counter; we recommend the cable manufactured by DS, with reference DS-0052.
- **Lap counter supplied with free demo software.** We supply the transmission information in order that you can produce your own software. The minimum required hardware/software is: Pentium II, with OS Windows 98/ XP, 64 MB RAM, 20 free MB of Hard Disc and COM RS-232C.
- Display of:
  - **Lap timing** of every lane when the car is crossing the sensor.
  - **Time spend or time left** for the finishing of the race, during or at the end of the race.
  - **2 fastest lap times** recorded for each lane during or at the end of the race.
  - **Total time** recorded at the end of the programmed laps for each lane, at the end of the race.
  - Timing data displayed in: **thousands and tenth thousands of a second.**
  - **Blinking of the winner lane.**
  - **Blinking of the best lap time record** of the race.
- **Red/green lights** for visual control of the race start.
- **Acoustic signals** for: programming, start, last lap, end of race, pause and fastest lap.
- **Connection** to our card readers "DS Card Control" (with a card like the ones used at the telephones) for the control of races, drivers, track renting, etc...



For the correct working of this lap counter you need a power supplier of 12 V. maximum and at least 3 A. of direct current. We recommend the DS build with reference DS-0051.

You should also choose the sensor you what to use for the track: infrared bridge, track section with "dead section"...

### Programming chart

Programme	Time Control		Track Control	
	ON	OFF	Individual	Total
P.ti (Time programme)	✓	✓		✓
P.La (Laps programme)	✓	✓	✓	✓
P.F1 (Fórmula 1)	✓	✓	✓	✓
P.t (Minimum time record per lap)				

## > UNITS FOR EXTENSION

# DS-300 PRO

Ref. DS-3340 **UNIT DS-300 PRO for LANES 3 and 4**  
Complement for the extension of the lap counter "DS-300 PRO" into 4 lanes. It needs main unit (lanes 1 and 2) for working.

#### Technical data:

- Connection to main unit "DS-300 PRO" (lanes 1 and 2) without wiring.
- Connector for lane 3 and 4 sensor.
- Connector for "STOP & GO Box" or "PRO STOP & GO Box".
- Display of data like the main unit (lanes 1 and 2).

Ref. DS-3560 **UNIT DS-300 PRO for LANES 5 and 6**  
Complement for the extension of the lap counter "DS-300 PRO" into 6 lanes. It needs main unit (lanes 1 and 2) and second unit (lanes 3 and 4) to work.

#### Technical data:

- It has the same technical characteristics as the unit DS-300 PRO for lanes 3 and 4 (ref.DS-3340), but aimed at lanes 5 and 6.

Ref. DS-3780 **UNIT DS-300 PRO for CARRILES 7 y 8**  
Complement for the extension of the lap counter "DS-300 PRO" into 8 lanes. It needs main unit (lanes 1 and 2) and second and third units (lanes 3 and 4 / lanes 5 and 6) to work.

#### Technical data:

- It has the same technical characteristics as the unit DS-300 PRO for lanes 3 and 4 (ref.DS-3340), but aimed at lanes 7 and 8.

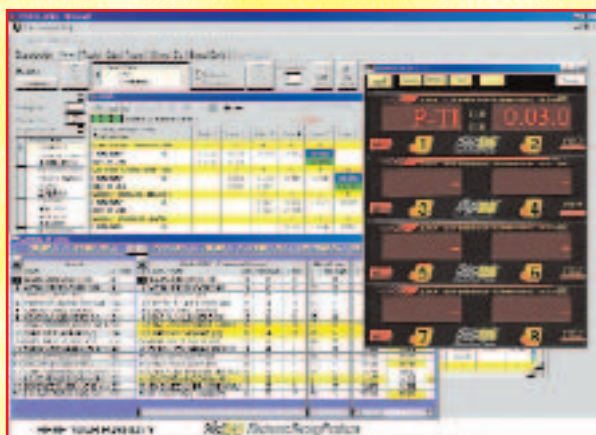


## > LAP COUNTER

# INTERFACE



Ref. DS-0045



## Technical data

- Direct control of the track from your personal computer (Winslot 95, 98 and NT).
- With sensor connection for 1 to 8 lanes, and connection to the control box "PRO STOP & GO Box" (ref. DS-0021) for the control of all the races.
- "Winslot 2002" included, this being a programme that provides all the necessary information for **the control of any race** from your PC, having a complete control of the race and obtaining printed results and data from the race with ease. The special cable for connection between INTERFACE and PC (ref. DS-0052) is included.
- **Connections:**
  - Sensor connections for track lanes 1-2, 3-4, 5-6 and 7-8.
  - "PRO STOP & GO Box" control boxes connection for track lanes 1-2, 3-4, 5-6 and 7-8.
  - PC connection through Standard 9 pin COM.

[ FOR ANY KIND OF SLOT TRACK ]  
[ FORM 1 TO 8 LANES ]

Full version "Winslot 2002" included!



For the correct working of the INTERFACE you need a power supplier of 12 V. maximum and at least 3 A. of direct current. We recommend the DS build with reference DS-0051.

You should also choose the sensor you want to use for the track: infrared bridge, track section with "dead section"...

Works with any kind of SLOT track on the market!

# Universal Lap Counters

## > LAP COUNTERS

# DS-400 PRO

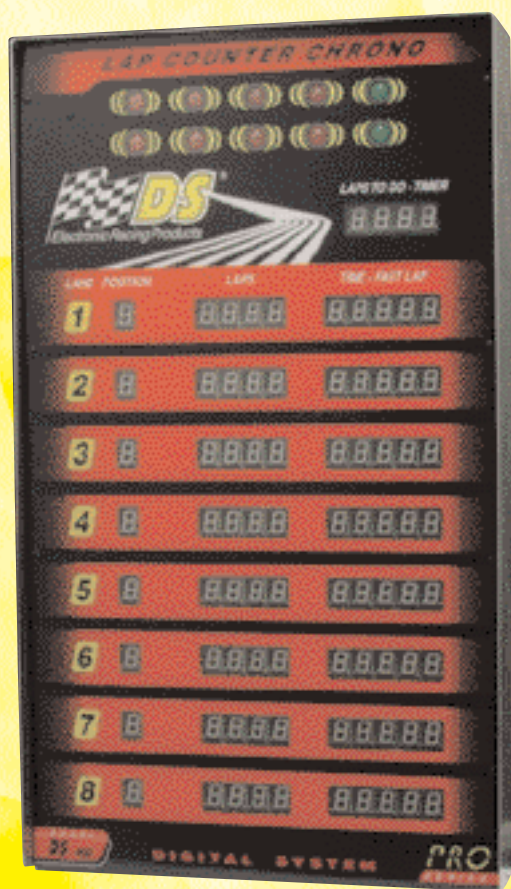
## "SUPERTOWER"

- Large dimension lap counters specially for **HIGH COMPETITION** tracks or **COMMERCIAL** use.
- Lap counter suitable for 4 or more track lanes.
- Easily adapted to a control system of coin, token or our card control system "DS Card Control" (ref. DS-0062).
- We provide data transfer information of data transfer in order for you to create your own software.

Includes free demo software for PC!

**PRO**  
SERIES

**NEW**



Ref. DS-4000

[ FOR ANY KIND OF SLOT TRACK ]  
[ FORM 4 TO 8 LANES ]

### Programming chart

Programme	Time Control		Track Control	
	ON	OFF	Individual	Total
P.ti (Time programme)	✓	✓		✓
P.La (Laps programme)	✓	✓	✓	✓
P.F1 (Fórmula 1)	✓	✓	✓	✓
P.t (Minimum time record per lap)				✓

## Technical data

- **11 different programmes for races:** Endurance, Rally-Slot, GT, Training, F-1, etc... combined with the different track and control systems.
- **PERMANENT programming.** The device memorises the programming until next change (although it may be disconnected)
- **Time programming:** Maximum 10 hours. Minimum 10 seconds.
- **Lap programming:** Maximum 9999 laps. Minimum 1 lap.
- **Minimal time programming** between individual laps in order to avoid recording more laps due to another car or object on the track. Thus, we can programme a minimal time per lap with a close record to the average time per lap. You will be able to make motor tests with the cable V-shaped (ref.DS-0018), recording the top speed and partial timing of a particular track section.
- **Programming the lane change order,** obtaining heat timing and race total timing.
- **Programming** the desired car control system: **TOTAL** or **INDEPENDENT** lanes, for any kind of race.
- **PAUSE option.**
- **Programming the start with power on the track** (for instance, keeping an eye on the lights and penalising one lap the car passing under the bridge before the lights are red) or **without power on the track** (for instance: the traditional system where models start at the same time, due to the control of the "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061).
- **For 4, 6 or 8 lanes.**
- **RS-232C switch** for PC connection. The cable is not supplied with the lap counter; we recommend the cable manufactured by DS - reference DS-0052.
- **Lap counter supplied with free demo software.** We provide the transmission information in order for you to produce your own software. The minimum required hardware/software is: Pentium II, with OS Windows 98 / XP, 64 MB RAM, 20 free MB of Hard Disc and COM RS-232C.
- Display of:
  - **Lap timing** of every lane when the car is crossing the sensor.
  - **Time spend or time left** for the finishing the race, during or at the end of the race.
  - **Recorded laps or laps left** to the end of the race.
  - **3 fastest laps times recorded** for each lane during or at the end of the race.
  - Timing data displayed in: **thousands and tenth thousands of a second.**
  - **Blinking of the winner lane.**
  - **Blinking of the best lap time record** of the race.
- **Acoustic signals** for: programming, start, last lap, end of race, pause and fastest lap.
- **Connection to our card readers "DS Card Control"** (with a card like the ones used at the telephones) for the control of races, drivers, track renting, etc...
- **Integrated system for drivers** (ref. DS-0065, DS-0066, DS-0067 y DS-0068, depending if there are 2, 4, 6 or 8 drivers) with independent lane buttons, for the display of the data from the desired lane: laps, last lap time record, best time record, and data reset.
- **Large tower display** (85cm high and 48cm wide) for easy viewing of time and data. Easy and quick to read.
- The programming and displaying of data is done by **means of a remote control.**
- **Traffic lights start:** 8 LED for red + 2 LED for green colour, big format, horizontally placed, simulating a Grand Prix start.
- **General display** (4 digits) for: time spent on the race or time left for finishing the race, left laps, programming, especial data.
- **Three displays for each lane: qualifying position, Laps and Timing.**
  - **Qualifying position** (1 digit): Shows the driver's position during the race, refreshing immediately every time the car passes the sensor.
  - **Laps** (4 digits): Shows the current lap of the cars, or the laps left to finish (when lap programming). When Formula 1 programming it shows the leader's laps and the gap of laps between the other participants and the leader.
  - **Time** (5 digits): Shows the time recorded for the last lap and the two best time recorded for the race. The displays of Lane 1 is also used for data programming.



Needs power supply of 220 V. Remote control with 9V. rechargeable battery.

You should also choose the sensor you want to use for the track: infrared bridge, track section with "dead section"...

## > SPEED CAR CONTROL

- System made for remote checking of the speed of a real car at a given point.
- Specially suitable for permanent circuits, car driving school training...

**PRO**  
SERIES



Ref. DS-1000

### Technical data

This complete system has been specially made for checking speed of a car at a given point. It shows the speed on a giant screen with three displays and also in the LCD from the "Control Unit".

This device detects the passing of a car at high and low speed at a maximum distance of 15m.

#### New function:

Shows three digit number that can be manually introduced on the big screen. Useful for drivers during a race: laps to finish, km/h record, pit lane warning, etc.

Very useful for: car driving schools, racing teams, rally and speed competitions...

#### Contents:

- Control unit and distance programming.
- Two sets of powerful photoelectric sensors assembled in high quality tripods.
- Two catadioptric mirrors assembled in tripods for stability.
- The display transmission and reception is made via radio to obtain the data from the sensors.
- 600 x 350mm Screen made in stainless steel with three digits made up of high luminosity LEDs.
- 2 Batteries and charger.
- Plastic box for transporting all devices (it can be completely taken apart).

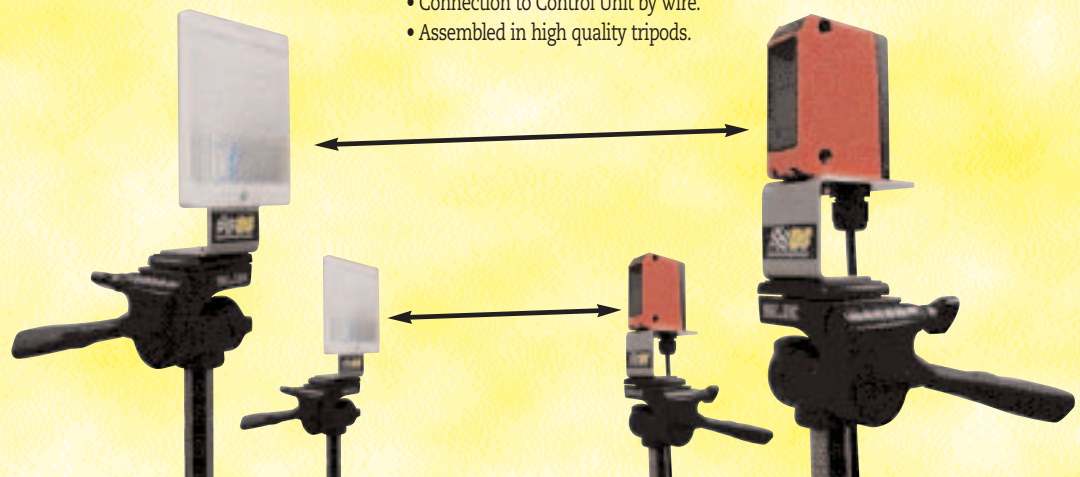
### Control Unit and its functions

- LCD display for programming and showing the data.
- Data transmission via radio to the giant screen.
- Programming of the distance between the photoelectric sensors (1m by default).
- Shows the last data received.
- Reset.



### Photoelectric sensors

- Connection to Control Unit by wire.
- Assembled in high quality tripods.



! Three years of warranty !

# Track control boxes



You can have the total control of the track and races with these boxes! They start the race and stop the race all at once or when crossing the finish line, etc, depending on the programme of the lap counter.

They are valid for any kind of track on the market.

Do not use power over 20V. and 5A.

## The easiest way to connect controllers and power suppliers to any track!

### > Ref. DS-0021 **STOP & GO BOX**

Professional box for quick and easy connection of controllers and power suppliers.

#### Technical data:

- Cable with valid switch to all DS lap counters.
- Controller connection is made by means of the international system of 3 coloured bananas. The easiest and standard way.
- These boxes are valid for any kind of controller existing on the market (Mrrc, Scalextric, Ninco, Parma, Carrera, etc.), with or without electrodynamic breaking.
- Large red and green LED traffic lights to start the race.
- In-cable for power to track, independent for each lane (two power supplies) or common (one power supplier)
- Out-power supply to track by means of two banana connections, easy plug in/out driving directions.
- Start and stop control, working directly on the track's power supply, power on when starting or power off when finishing the race.

ATTENTION! It does not work without switching to a DS lap counter. We recommend purchasing the trackpower wiring set - reference DS-0053.

### > Ref. DS-0061 **PRO STOP & GO BOX**

Professional box for the quick and easy connection of controllers and power suppliers.

#### Technical data:

- With the same features as DS-0021, but with two releé (one for each track lane) for individual lane control.
- Only works if connected to DS-200 PRO, DS-300 PRO, and DS-400 PRO "SUPERTOWER".

### > Ref. DS-0022 **INTERNATIONAL BOX**

Box for the quick and easy connection of controllers and power suppliers.

#### Technical data:

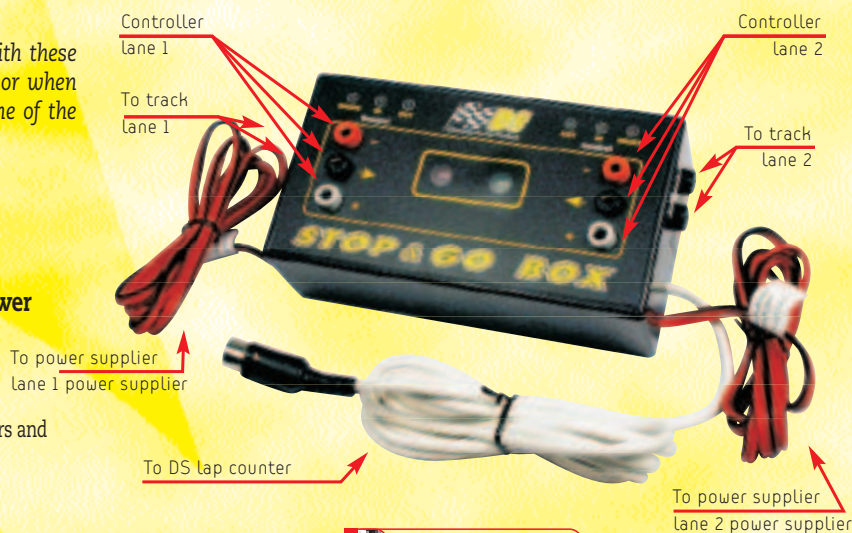
- Controller connection is made by means of the international system of 3 coloured bananas. The easiest and standard way.
- These boxes are valid for any kind of controller existing on the market (Mrrc, Scalextric, Ninco, Parma, Carrera, etc.), with or without electrodynamic breaking.
- In-cable for power to track, independent for each lane (two power supplies) or common (one power supplier)
- Out-power supply to track by means of two banana connections, easy plug in/out driving directions.

### > Ref. DS-0060 **DRAGSTER BOX SET**

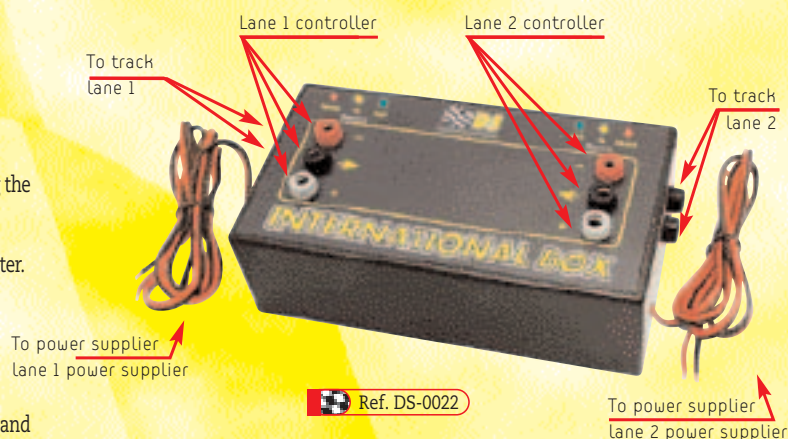
Especial traffic light tree for Dragster races.

#### Technical data:

- Includes a "V" wire (ref.DS-0018) to connect the two sensors needed.
- It must be connected to the lap counter DS-200 PRO.
- Not compatible with control boxes "Stop & Go Box" (ref. DS-0021) or "PRO Stop & Go Box" (ref. DS-0061).



Ref. DS-0021 / DS-0061



Ref. DS-0022

**PRO**  
SERIES



To DS-200 PRO Lap counter

Ref. DS-0060

**PRO**  
SERIES

Ref. DS-0062 **DS CARD CONTROL READER WITH LCD**  
 A complete set of control by means of a card with "chip", it can be used for the control of club tracks, tracks for renting...



**Technical data:**

- Allows power supply to track when the card is valid and has credit.
- LCD screen for the reading of needed information (programming, left credit, etc)
- Allows programming in different currencies.
- Direct connection to track control box "PRO Stop & Go Box" (ref. DS-0061).
- Presented in stainless steel box.



> Ref. DS-0063 **DS CARD CONTROL READER/WRITER**  
 A complete control system by means of DS credit cards, together with the software included gives total control.



**Technical data:**

- Reads and writes on DS credit cards.
- PC is used for the programming and control of cards.
- Allows lane control by the track owner.
- Special software settings for the owner.
  - Allows 4 different categories of customer at the same time.
  - We can save the customer's photograph through the web-cam.
  - Allows setting different time zones 24 hours a day 7 days per week.
  - Each lane has independent consumption control.
  - Programmable cards.
  - Timing control.
  - Allows card blocking.
- Professional control of club membership fee or race entry fee.
- Easy working.
- Allows consumption control by means of card configuration.
- Needs of DS-Rent software for working.
- Presented in stainless steel box.



Ref. DS-0062



Ref. DS-0063

> Ref. DS-0064 **CREDIT CARDS**  
 Ten recordable credit card units, which can be personalised for the use of customer card or can be used for the configuration of the readers (ref. DS-0062).

> Ref. DS-0088 **PERSONALISED CREDIT CARDS**  
 Credit card personalising with your logo, address, advertising... printed in two colours chosen by the user. Minimum order of 100 cards. There is the possibility of personalising with more colours.

> Ref. DS-0089 **TIMER FOR MECHANIC PURSE**  
 Electronic circuit for the control of track power time use, each purse can be programmed. The system needs one for each purse.

> Ref. DS-0069 **MECHANIC PURSE**  
 Coin or token detection system for the lap counter: DS-200 PRO, DS-300 PRO y DS-400 PRO "SUPERTOWER". It needs the "PRO Stop & Go Box" (ref. DS-0061) control box use. It works for only one lane. Very useful for renting tracks.

> Ref. DS-0084 **MECHANIC PURSE TOKENS**  
 Ten especial tokens for the mechanic purse.

Ref. DS-0069



Ref. DS-0084



Compatibility Chart DS-300 / DS-030 / Stop&Go				
	DS-300 Unit 1-2	DS-300 Secondaries U.	DS-0021 Stop&Go	DS-0061 PRO Stop&Go
DS-030 Unit 1-2	X	X	✓	X
DS-030 Secondaries U.	✓	X	✓	X
DS-0021 Stop&Go	✓	✓		
DS-0061 PRO Stop&Go	✓	✓		



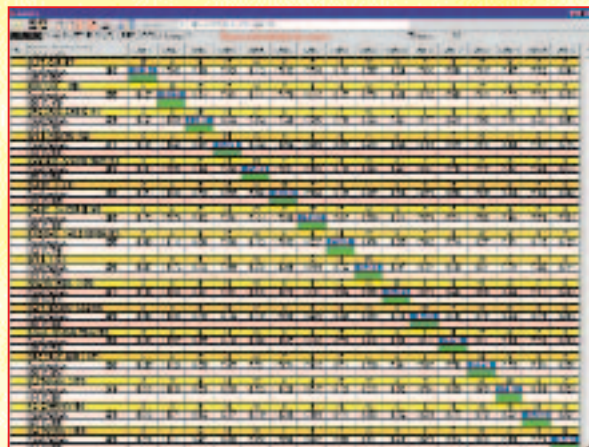
DS software allows the complete managing of clubs and races at a professional or home use.

The minimum required hardware/software for DS programmes is:

- Pentium II.
- OS Windows 98/ 2000 / XP.
- 64 MB RAM
- 20 free MB in Hard Disc
- Installing of Microsoft Office (98 / 2000 / XP)
- COM RS-232C

## > Ref. DS-0048 WINSLOT 2002

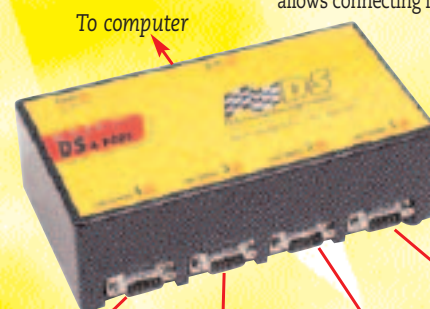
- Software to be used in any DS or INTERFACE lap counters system, in Spanish or English (other languages under development).
- All the DS-200 PRO and DS-300 PRO include a demo of the programme that can be used for quick races: introducing driver's name and recording race results. In order to have access to the full-version the programme must be registered (for registering get in contact with your distributor)
- DS-400 "SUPERTOWER" and INTERFACE include a full registered version of the programme.
- You can register the programme without the need of lap counter serial number, these allows the programme to work in different tracks with lap counters of different models with only one license.
- All data is based in Microsoft Access allowing an easy development or evolution of the programme and also the export of data to other MS programmes.
- Special banner for the advertising sponsors.
- **Extendable to 32 lanes** with the new connection system "DS-4PORT", **multi-lap counter**, which allows connecting four DS-300 PRO or INTERFACE to only one computer. If multi-start system is used all lap counters can start simultaneously.
- **Programme details:**
  - Championship control.** Each one with different races and ranking points.
  - Race option.** It controls various races on the same track.
  - Track option.** It controls more than one track in the same club, with characteristics of each one: lanes, lane distance, with the possibility of racing in all of them.
  - Club data.** It controls more than one club and allows printing the information.
  - Allows the control of any race** from the DS lap counters, with the exception of Rally-Slot.
  - Allows racing individually or as team** (with more than one driver).
  - Driver profile.** To control the drivers and print the information.
  - Technical instructions for the Slot car.** It allows the control of different cars with different technical characteristics and with the possibility to test on the track.
- **Detailed information of the race:**
  - Complete grid designing, allowing the movement of drivers from one heat to another.
  - Qualifying options.
  - Rotation option system which allows more drivers than lanes on the track.
  - Team or driver that is racing on the track.
  - Each team or driver position.
  - Last lap time record.
  - Amount of laps done.
  - Time left for the end of the race.
  - Lane changes done always show on screen.
  - Printing all the results.
  - Precise information each lap by means of statistics or graphics.



WINSLOT 2002 Software.

## DS-4PORT Multi lap counter:

Connection system DS-4PORT multi-lap counter which allows connecting four DS-300 PRO, getting a total 32 lanes.



8 lanes    16 lanes    24 lanes    36 lanes

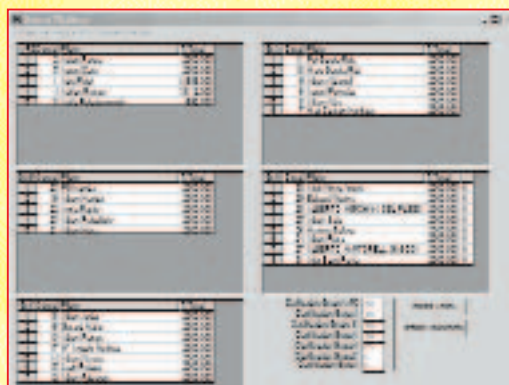
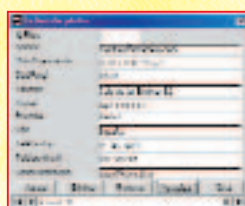


> Ref. DS-0047 **RALLY-SLOT REAL TIME ("R.S.R.T.")**

- This programme can work without the need of a DS lap counter, entering the data to the PC with the keyboard. But it is optimised to work automatically with the control system for Rally
- Every DS lap counter includes a demo programme that can be 100% used during 12 days, after which you have to register the programme.
- Available in Spanish (other languages under development).
- **Programme characteristics:**
  - The drivers' data base is made with Microsoft Access allowing easy development or export to other programmes by Microsoft.
  - Special banner for advertising sponsoring.
  - Special option to define the last heat drivers.
  - To amalgamate the results of drivers from different heats and days.
- **Detailed information of the race:**
  - Banner with every driver's data each 5 seconds.
  - General qualifying from every category with the "top-5"
  - Scratch position of every drivers heats.
  - All results can be printed.

> Ref. DS-0046 **DS RENT**

- This programme allows the managing of club costumers by means of the DS-Card Control system in the use of tracks. A reader/recorder DS-0063 and a DS-0062 reader units minimum required.
- Available in Spanish (other languages under development).
- **Software details:**
  - Drivers' data files are in Microsoft Access allowing easy development or evolution of the programme and also the export to other MS programmes.
  - Complete data file on every costumers including a personalised photo and control of expense.
  - Allow reading and charging DS-Card from costumers.
  - Allows master card programming for DS-Card readers, which includes:
    - Time zones for 4 different kinds of costumers.
    - Initial charging.
    - Reader device time.
    - General data like currency, reader device language, name of the club.



RALLY-SLOT REAL TIME Software.

## > “Infrared Bridge” sensors



Lap counter universal infrared bridge sensor. For all SLOT tracks and number of lanes on the market.

Complete infrared bridge sensor includes wire and completely assembled connector for the DS lap counter. It does not need extra power supply for use.

All infrared bridges have infrared sender lights on the upper part and a receiver on the bottom. When the car is cutting the beam of light, the sensor sends a signal to the lap counter.

**Attention!** The receiver on the bottom must always be visible, this means, never to be covered by the track or any other object.

It also can be used as decoration.

### Available for:

- SCALEXTRIC-SUPERSLOT: 78 mm. distance between lanes.
- POLISTIL-PROSLOT-CARRERA PROFI: 89 mm. distance.
- NINCO-FLEICHMANN: 90 mm. distance.
- CARRERA EVOLUTION y EXCLUSIV: 100 mm. distance.
- CONCEPT SYSTEM: 110 mm. distance.

DS offers the possibility of manufacturing special sizes according to the customer's needs, apart from the mentioned above.

- > Ref. DS-0013 **SCALEXTRIC 2 LANES**
- > Ref. DS-0026 **SCALEXTRIC 4 LANES**
- > Ref. DS-0027 **SCALEXTRIC 6 LANES**
- > Ref. DS-0028 **SCALEXTRIC 8 LANES**
- > Ref. DS-0033 **POLISTIL – PROSLOT – PROFI 2 LANES**
- > Ref. DS-0034 **POLISTIL – PROSLOT – PROFI 4 LANES**
- > Ref. DS-0035 **POLISTIL – PROSLOT – PROFI 6 LANES**
- > Ref. DS-0036 **EVOLUTION – EXCLUSIV 2 LANES**
- > Ref. DS-0037 **EVOLUTION – EXCLUSIV 4 LANES**
- > Ref. DS-0038 **EVOLUTION – EXCLUSIV 6 LANES**
- > Ref. DS-0039 **EVOLUTION – EXCLUSIV 8 LANES**
- > Ref. DS-0040 **CONCEPT SYSTEM 2 LANES**
- > Ref. DS-0041 **CONCEPT SYSTEM 4 LANES**
- > Ref. DS-0042 **CONCEPT SYSTEM 6 LANES**
- > Ref. DS-0043 **CONCEPT SYSTEM 8 LANES**
- > Ref. DS-0054 **NINCO – FLEICHMANN 2 LANES**
- > Ref. DS-0055 **NINCO – FLEICHMANN 4 LANES**
- > Ref. DS-0056 **NINCO – FLEICHMANN 6 LANES**
- > Ref. DS-0057 **NINCO – FLEICHMANN 8 LANES**

**NEW**

## > “Track Dead Section” sensors



This kind of sensor is a standard two lane track section. This section has a “dead section” which is used as sensor. It is an easy to install, simple and cheap sensor.

Compatible with all the DS lap counter.

Wiring and connector for two completely assembled lanes included.

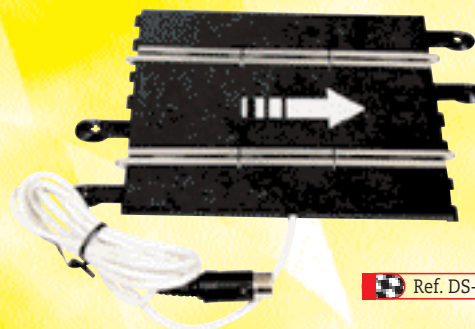
There is the option of a 2m. wire with connector for two lanes, without track section, in this way you can adapt to any track.

### Available for:

- SCALEXTRIC: 155 mm. straight.
- CARRERA EVOLUTION y EXCLUSIV: Standard straight.
- CARRERA PROFI: Standard straight.
- CARTRONIC “The Club”: Standard straight.
- NINCO: 200 mm. straight.

DS offers the possibility of manufacturing special sizes according to the customer's needs, apart from the mentioned above.

- > Ref. DS-0012 **SCALEXTRIC**
- > Ref. DS-0016 **CARRERA EXCLUSIV – EVOLUTION**
- > Ref. DS-0029 **CARRERA PROFI**
- > Ref. DS-0031 **CARTRONIC “THE CLUB”**
- > Ref. DS-0058 **NINCO**
- > Ref. DS-0017 **SENSOR KIT FOR ESPECIAL TRACKS**  
Sensor Kit for universal track, you can adapt to any kind of track on the market, includes 2m. wire with connector. It does not include track section. Directions for assembling included.



Ref. DS-0012



Ref. DS-0013

# Track Power Suppliers



The DS power suppliers are **universal**, this means, they can be used on any kind of track system.

It is ideal to solve all kind of current problems from the track, homogenising the current from all the track lanes.

## > Ref. DS-0001 **POWER SUPPLIER DS POWER-2**

The power supplier POWER-2, gives 2 Ampere and it is adjustable in Voltage (5, 7, 10, 12, 14, 15, 16, 17, 18, 19, 20, 22 V).

### Technical data:

- Universal use power supplier, it works with any kind of track system on the market.
- Automatic short circuit cut off, with immediate restart by means of a button (saving controllers or power supplier to be burned).
- Bipolar out cable at low current (red/black) without switch (universal connection).
- Power is on/off shown by means of a bicolour LED (green/red).
- 2 Amp of power and non limited direct current.
- For 220V. use with 36VA, stabilised and rectified current.
- Size: length: 13 cm. width: 9 cm. and height: 7 cm.

**Now, adjustable in 12 voltage positions !**

Ref. DS-0001

**NEW**



## > Ref. DS-0005 **POWER SUPPLIER DS POWER-5**

The power supplier POWER-5 gives 5 rectified and stabilised Amps. It is digitally adjustable in Voltage, from 4 to 20V. By means of a new and more sensitive device to 0,1 V. increments.

### Technical data:

- Universal use power supplier, it works with any kind of track system on the market.
- Automatic short circuit cut off, with immediate restart by means of a button (saving controllers or power supplier to be burned).
- Track connection by means of 4mm. diameter banana connection (included) like the ones used by controllers (ref. DS.0025).
- Digital display of voltage.
- 5 Amp. of power and non limited direct current.
- With a new design of box made up with stainless steel.
- Protection fuses to avoid tension overload.
- For 220 V. use with 100 VA stabilised and rectified current.
- Size: length: 18 cm. width: 14 cm. and height: 14 cm.

Ref. DS-0005

**NEW**



[ EASY ACCESS AND CONTROL ]

**Now, stainless steel box!**

# Checking Tools



DS introduces a new concept in the world of Slot; the Pocket Checker, a powerful measurement tool for motors and slot cars, great efficiency in a small size.

Ideal for enthusiasts that want to know a little more of their cars and motors, as well as for strict race directors when scrutinising.

## > Ref. DS-0090 **POCKET CHECKER**

Tool that checks and verifies magnet and motor GAUSS, as well as the R.P.M. of motor: it is small - hence the name "pocket".

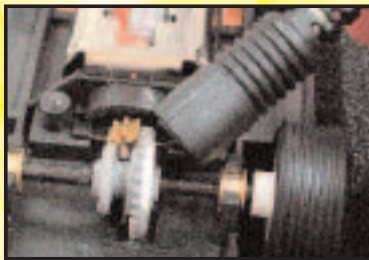
Developed version with new characteristics and fixed sensors.

- In the case of the GAUSS, the fixed sensor allows an exact and calibrated measure of this motor characteristic.

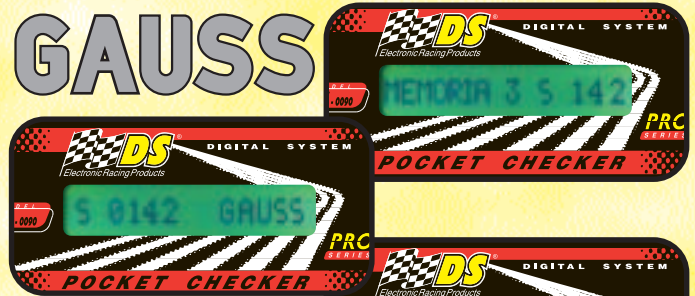
- There has been an extra function added, it consists of a DS bridge sensor connection to any track, thus becoming "pocket" time per lap recorder. Providing more information that this small but powerful checker can give.

### Technical data:

- Checks and verifies the motor or magnet GAUSS (magnet strength).
- Checks and verifies the motor R.P.M. (motor rotations per minute).
- Has 10 memories: 5 for GAUSS data and 5 for R.P.M. data recording.
- Reads from 1 to 999 magnet GAUSS.
- Reads from 1 to 50.000 motor R.P.M.
- LCD display (20 digits).
- Size: length: 10 cm. width: 5 cm. and height: 2.5 cm.
- Needs a 9 V. battery (not included).

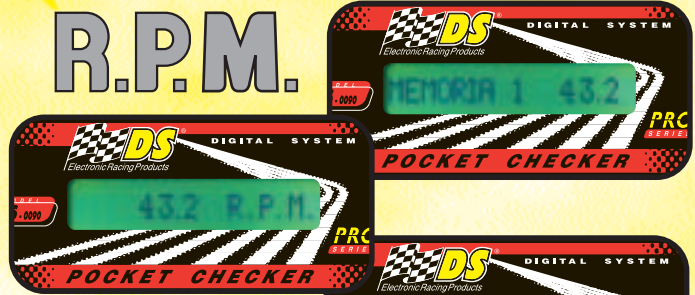


## GAUSS



**NEW**

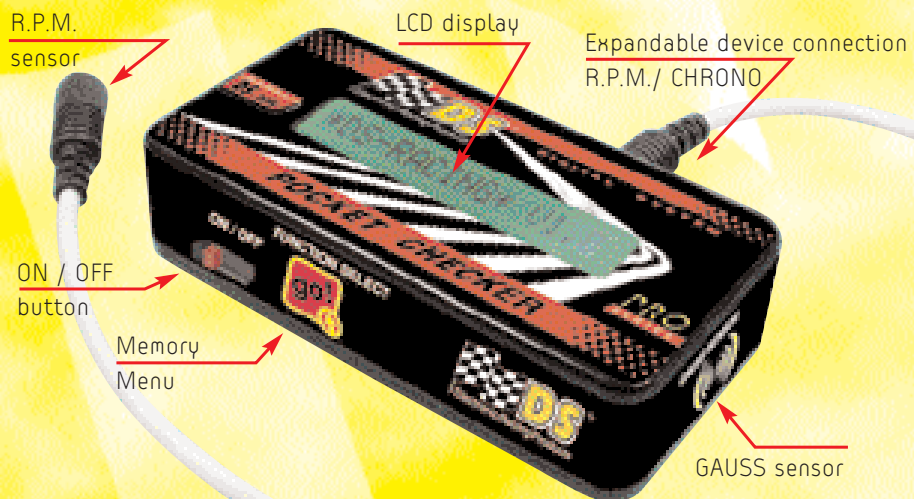
## R.P.M.



## CHRONO



*The definite tool for Slot drivers !*



Ref. DS-0090



THE PROFESSIONAL DIGITAL SYSTEM that allows racing more than one car in the same lane or in all lanes because the circuit becomes like having one only lane, you can trace strategic systems for competition. Changing lane, blocking other cars...-a new concept in Slot racing: "THE DIGITAL SLOT".

DS Davic presents a UNIVERSAL system that allows being used in any kind of track and with any kind of Slot racing model.

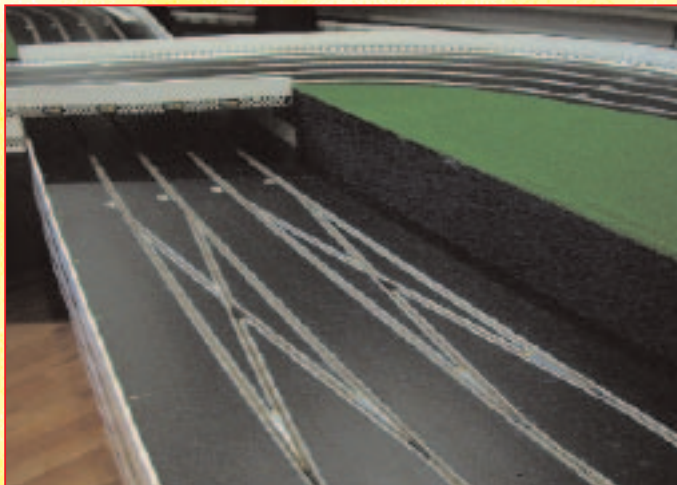
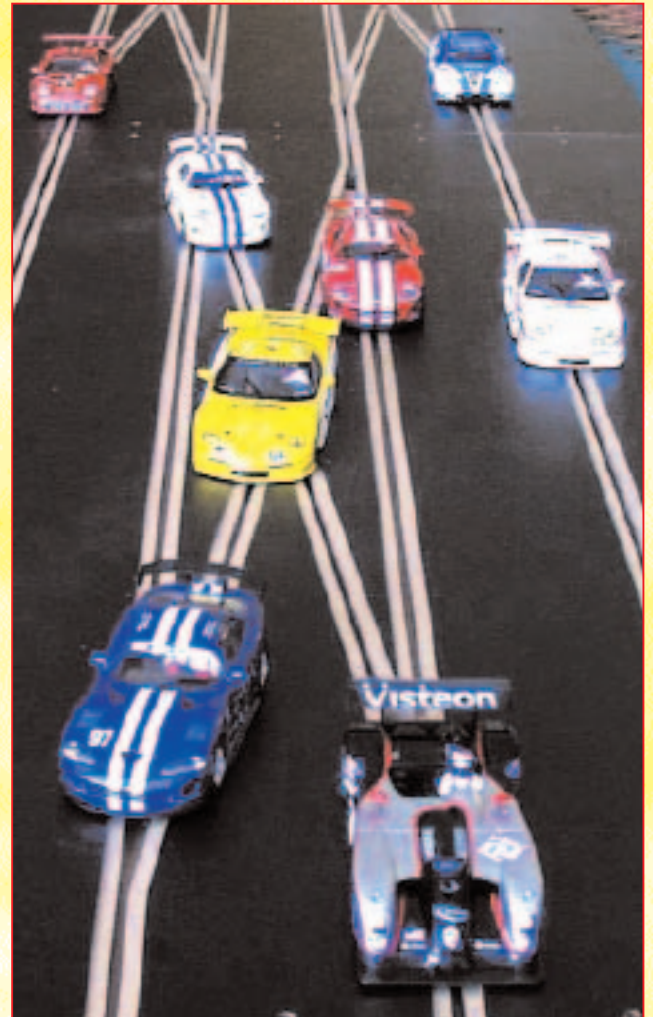
The David system has been a system used during many years in some French circuits, this means a warranty that the system works due to the acquired experience along the years of races, and DS developed the analogical system into Digital, providing it with the best features of security and performance.

The DS Davic system comprises track sections with the lane change and electronics needed incorporated, Stop & Go Digital Boxes, a control unit that produces the different frequencies that will programme the car and a universal programmer device for the programming of the cars. Two DS-Power 5 supply the power for the circuit.

The system can be connected to a DS-300 lap counter for the control of competition, which at the same time can be connected to a Computer and can control the race thanks to the Winslot-2002 software.

#### The digital system comprises:

- Central Control Unit.
- Car Programmer Device.
- "Digital" Stop & Go Box.
- Microdecoder for the car.
- DS-300 lap counter Plate connection.
- 2 lane track section with lane change and electronics
- 4 lane track CENTRAL changing section with lane change and electronics.
- 4 lane track LATERAL changing section with lane change and electronic.
- 6 lane track CENTRAL changing section with lane change and electronics.
- 6 lane track LATERAL changing section with lane change and electronic.

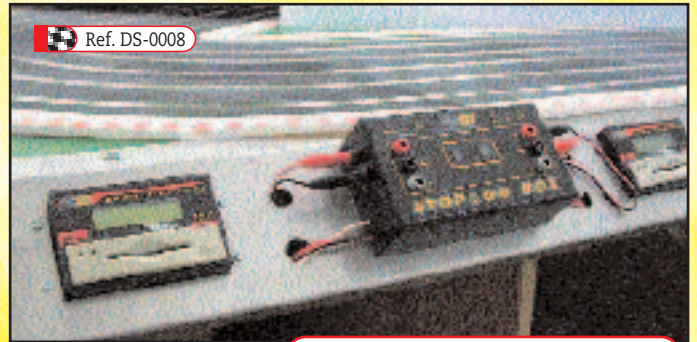




DS gives you the most extensive catalogue of accessories for lap counters that will fulfil all needs at home, club or professional users, in the world of Slot racing.

## Track accessories - Furniture decives:

- > Ref. DS-0008 **2 LANES COMPACT SUPPORT PLATE**  
Stainless steel plate for speed circuits, prepared to fit a control box "PRO Stop & Go Box" (ref. DS-0061) and two credit card readers "DS Card Control Reader" (ref. DS-0062). The plate is 1 metre long.
- > Ref. DS-0009 **RALLY COMPACT SUPPORT PLATE**  
Stainless steel plate for Rally circuits, prepared to fit a lap counter "DS-200 PRO" (ref. DS-2000), a power supplier, "DS-POWER 2" (ref. DS-0001), one credit card reader "DS Card Control Reader" (ref. DS-0062) and a control box "PRO Stop & Go Box" (ref. DS-0061). The plate is 40 cm. long.



DS components not included !



## Lap counter power supplier transformers

- > Ref. DS-0050 **10 V. A.C. 1 A. POWER SUPPLIER**  
Recommended for the "DS-200 PRO" lap counter. Output: 10 V. and 1 Amp. A.C.
- > Ref. DS-0051 **10 V. A.C. 3 A. POWER SUPPLIER**  
Recommended for "DS-300 PRO" or "INTERFACE" lap counters. Output: 10 V. and 3 Amp. A.C.



Ref. DS-0050

Ref. DS-0051

## Controllers - Accessories

- > Ref. DS-0010 **BANANA "COMPACT CONNECTOR"**  
Compact connector for controllers, allows an easy and direct connection to international and Stop & Go boxes.
- > Ref. DS-0011 **BANANA PLUG "COMPACT CON. " "WITH WIRE"**  
Compact connector for controllers, allows an easy and direct connection to international and Stop & Go boxes. With tricolour silicon wire of 1.5 meter of 2 mm. assembled.
- > Ref. DS-0024 **4 MM Ø BANANA PLUGS FOR CONTROLLER**  
Three 4 mm. Ø bananas: red, black and white colours, for controller connection.
- > Ref. DS-0025 **4 MM Ø BANANA PLUGS**  
Two 4 mm. Ø banana plugs: red and black colours, for controller connection.
- > Ref. DS-0032 **4 MM Ø BANANA "FEMALE PLUGS"**  
Three 4 mm. Ø banana "female plugs": red, black and white colours, for banana "male plug" connection.
- > Ref. DS-0059 **SILICON WIRE FOR CONTROLLER**  
1.5 meter with 3 coloured banana plug assembled.



Ref. DS-0059



Ref. DS-0025



Ref. DS-0024



Ref. DS-0032



Ref. DS-0010



Ref. DS-0011

- > Ref. DS-0072 **ADAPTER WIRE FROM BANANA PLUG TO JACK STEREO**  
Adapter wire from 4 mm. banana "female plug" to 6 mm. "metallic" Jack stereo.



Ref. DS-0072

## Electronics accessories - Wires, track connections

- > Ref. DS-0018 **"V" WIRE FOR TWO SENSORS**  
For the assembling of two sensors to the same lap counter. It is used for time section timing between two sensors or partial timing (motor and car test).
- > Ref. DS-0019 **STANDARD POWER SUPPLY WIRE**  
To be used together with another supplier in any DS lap counter.
- > Ref. DS-0023 **BICOLOUR WIRE FOR TRACK POWER**  
Ten metres of bicolour black/red wire of 1 mm. of section.
- > Ref. DS-0052 **RS-323C WIRE, DS CONNECTION TO PC**  
1.80 meters of wire to connect the DS lap counter to PC (9 pin for COM port).
- > Ref. DS-0086 **RS-232C WIRE, DS CONNECTION TO PC**  
3 meters of wire to connect the DS lap counter to PC (9 pin for COM port).
- > Ref. DS-0087 **RS-232C WIRE, DS CONNECTION TO PC**  
10 meters of wire to connect the DS lap counter to PC (9 pin for COM port).
- > Ref. DS-0053 **TRACK POWER WIRING SET**  
Five metres of bicolour red/black wire of 1 mm. of section and 4 mm. Ø (2 black and 2 red) banana plugs for installation and connections.
- > Ref. DS-0070 **EXTENSION WIRE FOR INFRARED BRIDGE**  
Four metres of especial wire for infrared bridge with connectors.
- > Ref. DS-0071 **EXTENSION WIRE FOR STOP & GO BOX**  
Four metres of szzpecial wire for Stop & Go boxes with connectors. Also works with the PRO series.
- > Ref. DS-0092 **TENSION LINKAGE CLIPS**  
Set of clips with special desing that helps Carrera-Exclusiv power current supply.



Ref. DS-0018

Ref. DS-0019

Ref. DS-0023

Ref. DS-0052 / DS-0086 / DS-0087

Ref. DS-0053

Ref. DS-0070

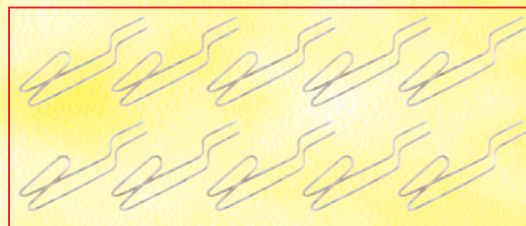
Ref. DS-0071

## Electronics accessories - Other

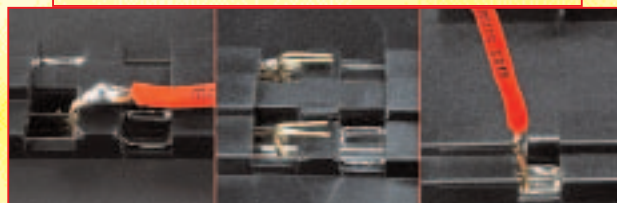
- > Ref. DS-0085 **CREATIVE WEB CAM CAMERA**  
Allows the taking of drivers/costumers pictures by means of the DS-RENT software.

**NEW**

Ref. DS-0085



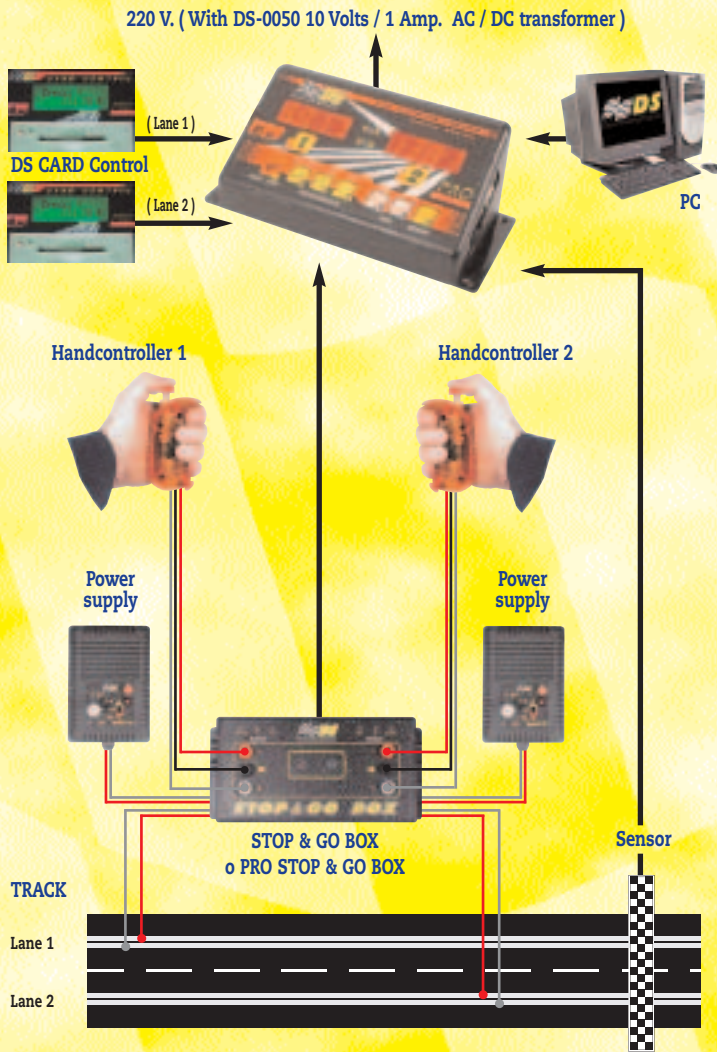
Ref. DS-0092



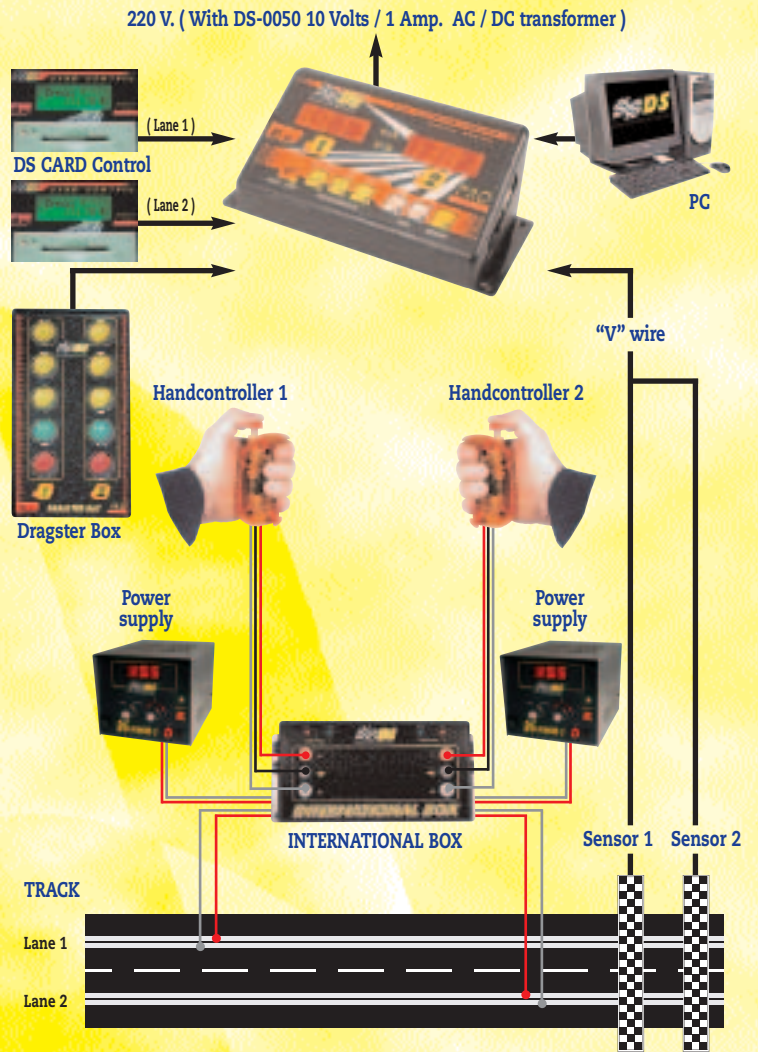
**NEW**

## [ DS - 200 PRO and accessories ]

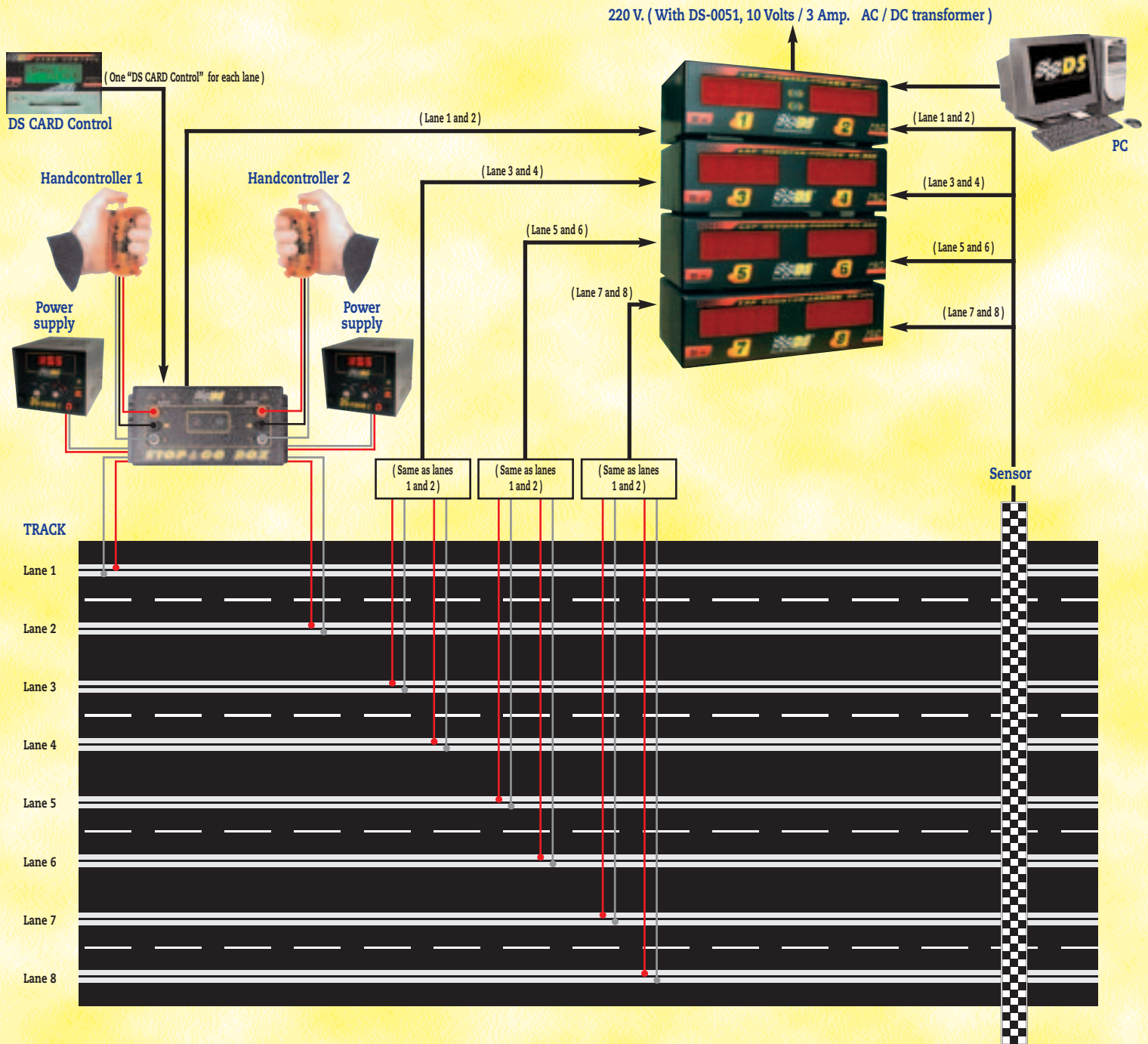
### Standard system for two lanes



### Slot Dragsters system



# [ DS - 300 PRO and accessories ]





“ Just imagine... We did it! ”



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