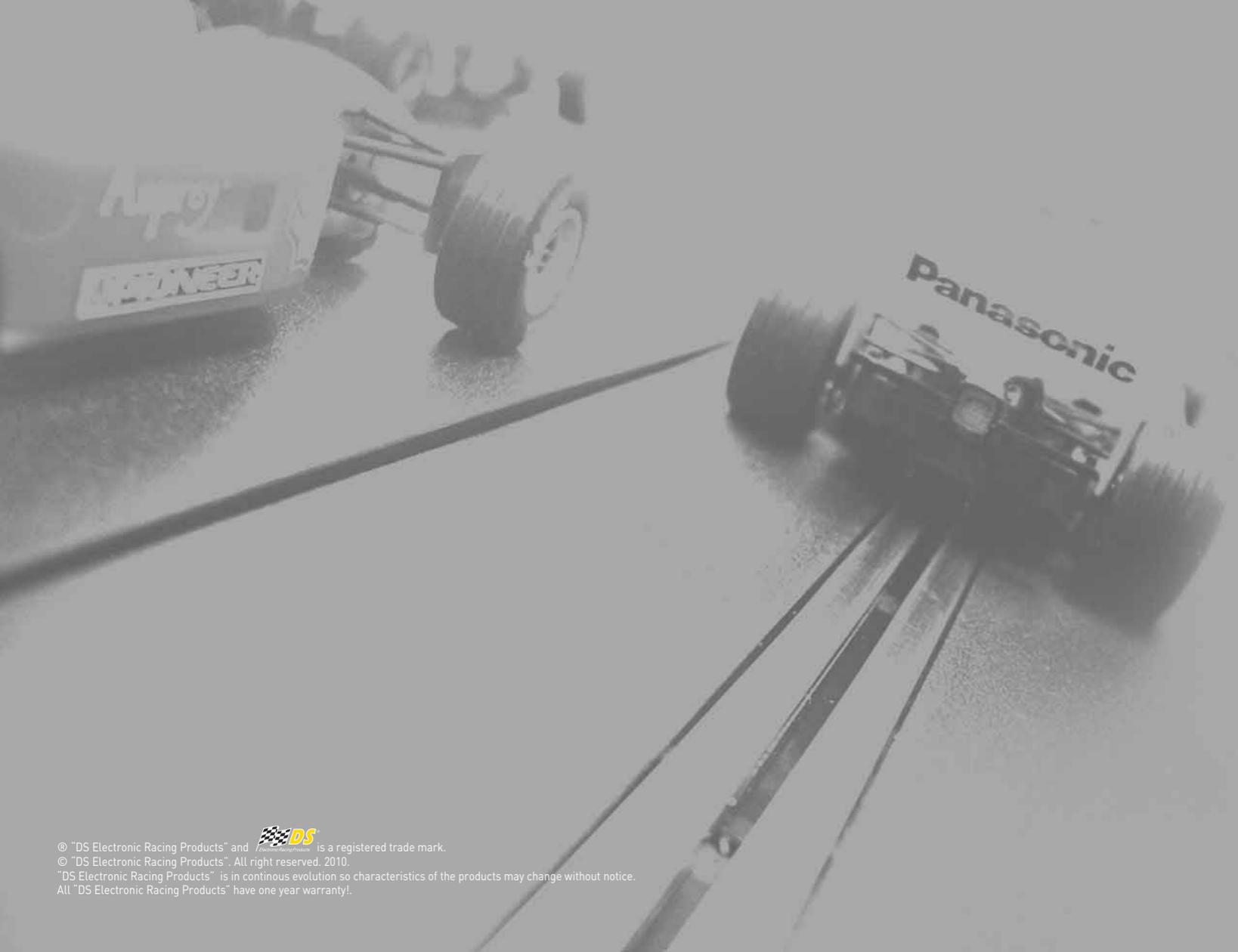2010

DS ®

Electronic Racing Products

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CONTENTS

PROFESSIONAL LAP COUNTERS

...for all kind of Slot Racing tracks

DS
Electronic Racing Products

DS
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"Just imagine... We did it!"
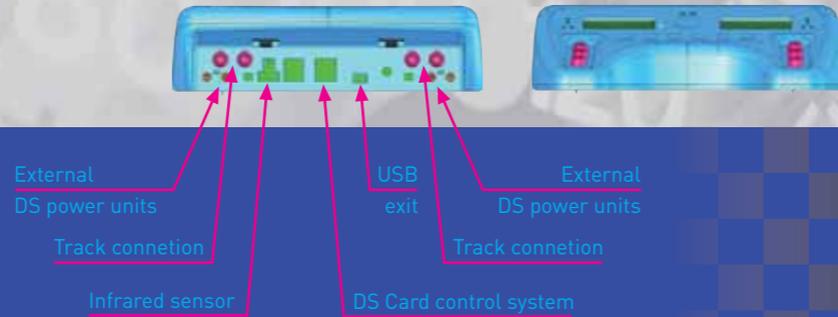
HIGH QUALITY UNIVERSAL SYSTEM

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

• High quality and universal use.
• To use in all kind of Slot Racing tracks.
• Control from 2 to 32 track lanes.
• Free "Winslot" software version.
• Direct connection to PC.
• 13 different competition categories.
• 4 digits per lane.
• Permanent memory function.
• Infrared sensors.
• Connection to Stop & Go box for power supply control.
• Driver control linked to DS-Card Control System.

DS-5001 PRO

External
DS power units

USB
exit

External
DS power units

Track connetion

Track connetion

Infrared sensor

DS Card control system

TECHNICAL DATA

ALL IN ONE LAP COUNTING SYSTEM FOR 2 LANES

Complete new all-in-one computer for home and professional use, easy to install and fix a computer system in your 2 lane track system.

USB wiring for PC connection and software use.
Direct controller plug in with professional 4 mm. sockets.
Includes Ds-0051 power unit and DS-0106 infrared sensor usefull for all existing plastic track systems.
Allows additional individual track power supply for each lane.

Compatible with Ds card control system (DS-0062).

NEW

DS-0051
TO POWER UNIT

DS-0106
INFRARED
SENSOR

Universal
for all track
systems

Controller Plugin

Controller Plugin

FREE DEMO
SOFTWARE
FOR PC
AVAILABLE

COMPATIBLE
WITH DS
WIRELESS
SYSTEM
(Ref. DS-0112)

NEW

PRO
SERIES

• **13 different race programmes**: Endurance, Rally-Slot, GT, Training, F-1, Dragsters, etc... with the different control and track systems combination.
• **4 digits per lane.** Quick and easy reading of timing/laps, with only one push.
• **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 tree 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 in seconds, to thousands of seconds**.
- **Partial lap timing**.
- **Beep signal last lap**.
- **Race number programming**.
- **Ready 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 from track section.
• **Infrared bridge** for 2 lane track (valid for all kind of tracks).
• **Controller 4 mm. banana socket plugin**.
• **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.
• **Track power control**: End of the race. Included in the unit preinstalled allow start 2 stop the cars at the end and start of the race programation.
• **PAUSE option**. We can stop the race and the time record, so we can continue the race from the same point.
• **USB exit** to PC connection. The cable is not supplied with the lap counter.
• **Lap counter supplied with free WINSLOT demo software**. The minimum required hardware/software is: Pentium III, with OS Windows 98 / XP, 64 MB RAM, 20 free MB in Hard Disc and USB connection.
• 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...
• Allow external power supply connection for each lane.
• LED track status indicators.

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)

DS-200 PRO

HIGH QUALITY AND UNIVERSAL SYSTEM!
• Complete lap counter for one or two lane tracks, specially for RALLY-SLOT, ENDURANCE, GT, FORMULA 1 and DRAGSTER RACES with the start light tree "Dragster Box Set" (ref. DS-0060).
• Easy connection to "DS Card Control System" (ref. DS-0062).

INFO

FREE DEMO SOFTWARE FOR PC AVAILABLE

COMPATIBLE WITH DS WIRELESS SYSTEM (Ref. DS-0112)

NEW

PRO SERIES

TECHNICAL DATA

• **13 different race programmes**: Endurance, Rally-Slot, GT, Training, F-1, Dragsters, etc... with the different control and track systems combination.
• **4 digits per lane.** Quick and easy reading of timing/laps, with only one push.
• **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 tree 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 in seconds, to thousands of seconds**.
- **Partial lap timing**.
- **Beep signal last lap**.
- **Race number programming**.
- **Ready 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 from 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 exit** to 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 WINSLOT demo software**. The minimum required hardware/software is: Pentium III, 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)

DS-300 PRO

Works with any kind of SLOT track on the market!
• Modular lap counter from 2 to 8 lanes, especially for SPEED and ENDURANCE races.
• Lap counter especially suitable for 4 or more track lanes.
• Easy connection to our card control system "DS Card Control" (ref. DS-0062).

INFO

For the correct working of this lap counter you need a power supply of 12 V. maximum and at least 3 A. D/C.
We recommend the DS Power Supply - reference DS-0051.

Trade sensor is need to operate. Choose from DS wide range of sensors for many track systems.

REMOTE
RC
CONTROLLER

Compatible with DS-0075 remote control unit.

DS developed an upgrade kit for previous DS-300 lap counters to update them with this new feature.

FREE DEMO SOFTWARE FOR PC AVAILABLE

COMPATIBLE WITH DS WIRELESS SYSTEM (Ref. DS-0110)
NEW

PRO SERIES

TECHNICAL DATA

[EASY CONNECTION]

•**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 24 hours. Minimum 10 seconds.
• **Lap programming**: From 10 seconds to 24 h. From 1 to 9999 tops.
• **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 up to 8 lanes**.
• **RS-232C exit** 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 WINSLOT software**. The minimum required hardware/software is: Pentium III, 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.
- **3 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...

PROGRAMMING CHART

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

PROFESSIONAL LAP COUNTERS

DS-300 PRO

REMOTE CONTROLLER

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).
• 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 LANES 7 and 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.

• Complete remote control for your DS-300 lap counter.
Allow all programming and data options by R/F.
• Works with 9V. battery (not included).

Ref. DS-0075 **DS-REMOTE CONTROL UNIT**
All DS-300 lap counting systems will be equipped from 2006 with
special antenna to receive all needed signals for remote control function.

Ref. DS-0076 **REMOTE CONTROL UPGRADE KIT FOR DS-300**
Complete upgrade pieces for your old DS-300 system including the Remote
controller unit, new anthena controller and new microchip with updated version.

DS-START PACKS

Ref. DS-9995 **LAP COUNTING SYSTEM** for 2 lanes with 78 mm. lenght infrared sensor.

Ref. DS-9996 **LAP COUNTING SYSTEM** for 2 lanes with 90 mm. lenght infrared sensor.

Ref. DS-9997 **LAP COUNTING SYSTEM** for 2 lanes with 100 mm. lenght infrared sensor.

Ref. DS-9998 **LAP COUNTING SYSTEM** for 4 lanes with 78 mm. lenght infrared sensor.

Ref. DS-9999 **LAP COUNTING SYSTEM** for 4 lanes with 90 mm. lenght infrared sensor.

DS-4 PORT

Ref. DS-0080
DS-4PORT

DS offer the possibility of multi track connection, with this Professional box that allow connection from up to 4 DS lap counter into 1 sole PC serial port, this special box is needed for over 8 lane racing control in endurance competitions together with winslot software. The maximum number of lanes possible is 32 (4 tracks with 8 lanes each). For it's working is needed a DS-0051 transformer.

Multi lap counter connection:
Connection system DS-4PORT multi-lap counter which allows connecting 4 x DS-300 PRO, getting up to 32 lanes.

TO PC

8 lanes   16 lanes   24 lanes   32 lanes
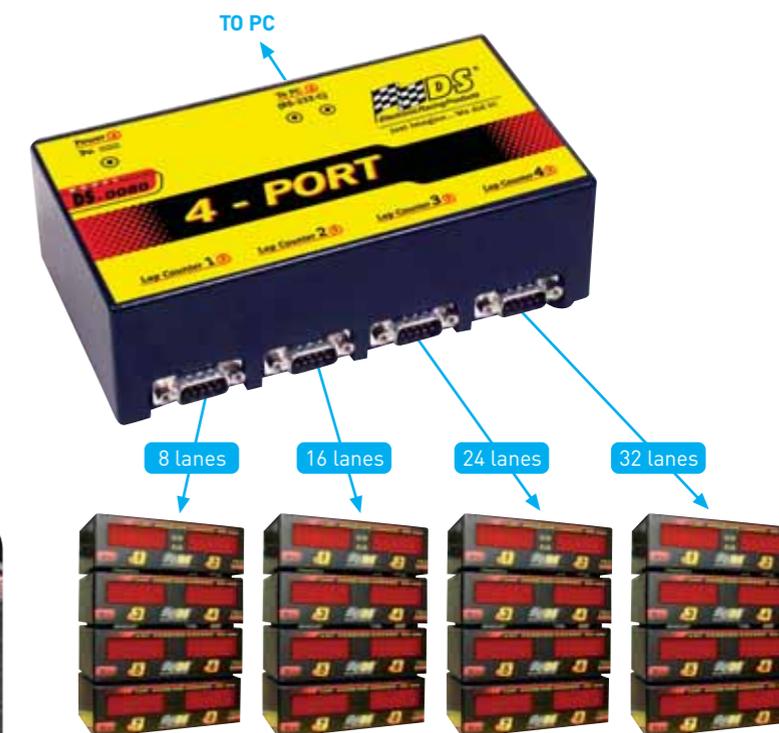
DS-400 PRO

"SUPERTOWER"

Remote control without wiring!
• Large dimension display specially for HIGH COMPETITION tracks or COMMERCIAL use.
• Suitable from 4 to 8 lanes.

INFO

Needs DS-300 lap counting system to work.

PRO
SERIES

NEW

INCLUDES
DS-WIRELESS
SYSTEM
(Ref. DS-0111)

TECHNICAL DATA

• **For 4, 6 or 8 lanes**.
• **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 **DS-300 or DS-INTERFACE**.
• **Start Traffic lights**: 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.

Ref. DS-4000	SUPER TOWER DISPLAY - For 4 lanes
Ref. DS-4001	SUPER TOWER DISPLAY - For 6 lanes
Ref. DS-4002	SUPER TOWER DISPLAY - For 8 lanes
Ref. DS-4003	Extension PC-BOARD from 4 to 6 lanes
Ref. DS-4004	Extension PC-BOARD from 6 to 8 lanes

"Just imagine... We did it!"

Ref. DS-0045

DS-INTERFACE

• Direct total control of the track from your personal computer (Windows 98, 2000 and XP).
• With sensor connection for 1 to 8 lanes, and connection to the control box "STOP & GO Box" (ref. DS-0021) for the control of all the races.
• **"Winslot"** 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 form 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.

INFO

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"...

FULL VERSION "WINSLOT" included!

[For any kind of Slot track] [For 1 to 8 lanes]

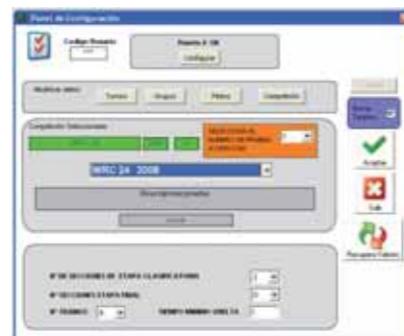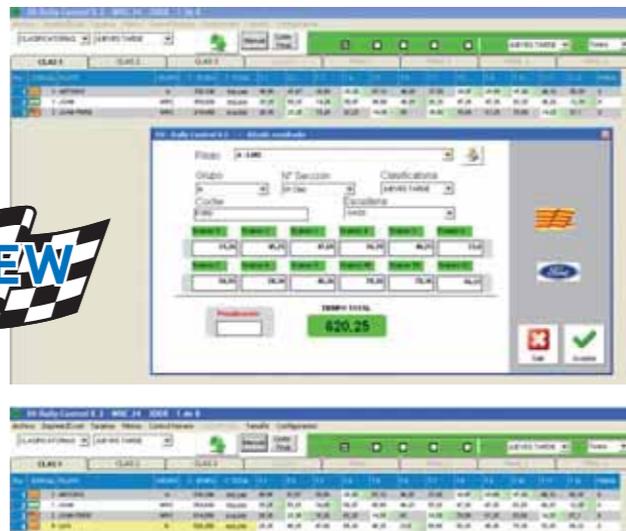**NEW**

DS SOFTWARE

Ref. DS-0044
RALLY-SLOT CONTROL

• This program 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.
• Available in Spanish (other languages under development) and English.
• DS-Card Control connection for automatic reading.

• Programme characteristics:
- The drivers' data base is made with Microsoft Access allowing easy development or export to other programmes by Microsoft.
- Special option to define the last heat drivers.
- To amalgamate the results of drivers from different heats and days.
- Able to control 12 rally sections.
- Able to control classes or Groups in the same Rally.
- Colour identifier for Scratch timing on each rally section.
- New on-line support for updates and operation manuals at www.ds-racingproducts.com
- All results can be printed.

• Detailed information of the race direct live result publishing in internet or local net throught ON LINE WEB SERVER.

INFO

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

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 costumer.
- 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, club name.

Ref. DS-0048
WINSLOT v 1.9

Winslot is the developed DS software for racing at home, club or even at international events. Tested without problems at national championships and 24h. endurance race. Can be used with all DS lap counter system for free, and register at any time to get updated versions and more features activated.
• Software to be used in any DS lap counters system, in Spanish or English (easy translation to French, German, Italian and Portuguese).
• 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-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.
• 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.
-Full new giant screen for training table results showing lap timing, best lap and num of laps for all lanes.
-Full new giant screen for race results showing overall classification from the race in large numbers.
-New race system able to repeat heats, adding laps to the previous results in the same lanes, as many times as wanted. Needed for endurance races where lanes are repeated several times.
-Drivers import from Microsoft Excel file.
-Results export to Microsoft Excel file.
-New on-line support for updates and operation manuals at www.ds-racingproducts.com

SPEED CAR
CONTROL 1:1

DS
Electronic Racing Products

SPEED CAR CONTROL

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

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.

PHOTOELECTRICS SENSORS:
• Connection to Control Unit by wire.
• Assembled in high quality tripods.

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 manualy introduced on the big screen. Usefull 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 transport all devices (it can be completely taken apart).

CHECKING TOOLS
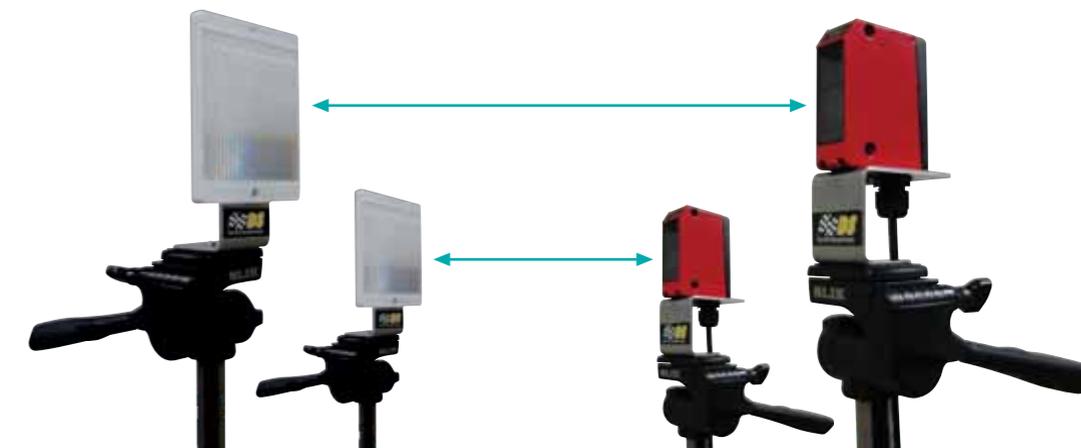
DS®
Electronic Racing Products

POCKET CHECKER

The definite portable tool for Slot drivers!

• 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 calibred mesure of this motor characteristic.

INFO

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 technical checking.

R.P.M. sensor

LCD display

ON / OFF button

Memory Menu

GAUSS sensor
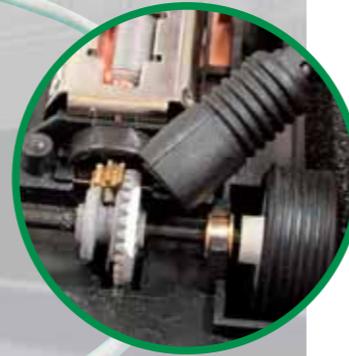
TECHNICAL DATA

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

GAUSS

R.P.M.

MINI CAR BENCH v.2

- Easy tool to break in and adjust your 1/32 or 1/24 Slot car.
- Perfect for quickly testing the car or chasis at any place.
- Uses internal 9V or external electrical power.
- Automatic motor break in system with adjustable timing.

INFO

The duration of the running varies depending on the next variables: the MiniCar Bench input voltage, the motor type, the voltage value selected by the VOLTAGE potentiometer selector and, of course, the value selected by the potentiometer RUNNING TIME. This time can be from the minimum of 5 minutes to the maximum of 30 minutes.

NEW

TECHNICAL DATA

- Small size to allow support of any 1/32 car, but has self extracting extension will also allow you to use in larger scale cars like 1/28 or even 1/24 scale.
- Contact plates for the braids with the extentions in order to extended to allow an easy external measurement of car consumption or voltage applied.
- Sponge absorbing for car vibrations; do not allow the car to move over the bench.
- Triple power input:
a) Using an external power unit thought the 2 units of 4 mm banana plugs (red and black) fixed at one of the sides to not disturb.
b) Using the external bipolar jack transformer connection.
c) Using a 9V battery fitted inside the bench.
- External switch allow to save battery when not used.
- External fine and precise voltage regulator from the maxium given in the input to 0.
- On/off LED indicator.
- Shortcircuit protection.
- Potentiometer for motor break in time adjustment.
- 4 green LEDs indicating the duration of the automatic running

TESTING BENCH

- Complete testing unit for Slot cars.
- Valid for any scale: 1/32, 1/28 and 1/24.
- All need sensors for privateers or professional racers:
Weight balance, RPM, Magnet GAUSS,
Car magnet attraction, Torque, Volts and Amperes.
- Automatic motor or car brake in with adjustable
Voltaje and time in 6 steps.
- Backlight LCD for low ambience light conditions
as enduracne racing.
- Allow testing all kind of motors up to 3 amp.
- Double encoder option, for 2mm and 1.5mm motor diameter axles.
- Motor mount for all available Slot car motors, S-can, Short-Can,
Long-Can, Flat-Can, RX-Can, RS-Can.
- Data exit to PC with USB wiring and trought DS Wireless system.
- Optional Software for motor and car checking available soon.
- 24V and 8 Amp power unit included.
- Transport aluminium protection box included.

NEW
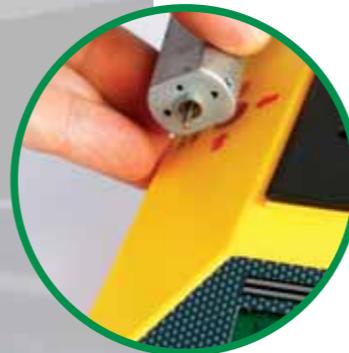
TECHNICAL DATA

Ref. DS-4101
TESTING BENCH
WIRELESS PACK

- Motor torque measurement.
- Permanent display of Voltage, Amperage. RPM showed on LCD.
- Once the test is finished, Testing bench shows motor torque in gr*cm.

- Motor RPM at fix voltage.
- Automatic or personalized timing measure.
- Permanent display of Voltage, Amperage. RPM showed on LCD.
- Once the test is finished, Testing bench shows absolute maximum RPM.

- Tyre RPM at fix voltage.
- Automatic or personalized timing measure.
- Permanent display of Voltage, Amperage. Tyre RPM showed on LCD.
- Allow gear-pinion ratio.
- Once the test is finished, Testing bench shows absolute maximum RPM on tyre as well as motor RPM.

- Car weight without magnetic attraction
- Front and rear weight of the car
- Overall weight of the car.

- Magnetic attraction
- Front and rear car magnetic attraction.
- Overall magnet traction of the car.

- Motor or magnet Gauss power
- Instant magnet power.
- Maximum magnet power in 2 seconds.
- Absolute maximum magnet power.

- Gauss and weight cell calibration

- Motor brake in in 6 steps.
- Allow to program each step in time and voltage
- Voltage program from 0 to 18volts.
- Time program from 0 to 99minutes.

CONTROLLERS AND CONNECTION PLUGS

DS Electronic Racing Products

HAND CONTROLLER

DS PROSPEED-2 ELECTRONIC CONTROLLER

DS developed the easiest system to set up your controller to any car or track conditions just turning the rotative prestablished switch.

• All electronic compounds are fixed directly into the DS compact connector in order to avoid loses on controller power wiring. This allows connecting directly to the DS Stop & Go boxes or with "female" DS compact connector (DS-0074) to any other system in the market.
• Preset 160 variable digital adjustments,t allows racing from rallying with S-can motor to Scale car racing with 16D motors.
• Assembled in the most common handle and used worldwide, with spare available and proof quality.
• The lighter electronic controller in the market. With a handle that weights less than 100gr. completely assembled including all mechanicals supports, trigger functions and Selector.
• LED indicates correct function of the controller. For positive (DS standard where red is negative) track wiring systems.

• Breaking system with warranty function over 700millions uses.
• Progression curve divided in 18 fine steel long life sections.
• Easy adjust of braking from maximum to minimum with 10 position rotative switch.
• Antispin system adjustment.

HANDLE COLOURS:

INFO

DS Electronic products enter to the controller market with a fully electronic Controller, developed over years of tests, races and improvement at the best worldwide slot racing events.

ADAPTERS

Ref. DS-0103
SOFT CONTROLLER SPRING
Use full DS Controller and MRRC Clubman Special

Ref. DS-0104
CONTROLLER TRICOLOR FLEXIBLE 2 m. WIRE
With silicon red connection.

Ref. DS-0105
CONTROLLER ADAPTER FROM 3 mm. STEREO JACK TO DS COMPACT BOX

Ref. DS-0091
CONTROLLER ADAPTER FROM FEMALE 4 mm. TO STEREO JACK 3.5 mm.
for SCX / SCALEXTRIC sport.

Ref. DS-0095
CONTROLLER ADAPTER FROM FEMALE 4 mm. TO PLUG ON CARRERA CONNECTOR PLUG.

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.

ADAPTERS

Ref. DS-0024
4 mm. BANANA PLUGS FOR CONTROLLER
Three 4 mm. Ø bananas: red, black and white colours, for controller connection.

Ref. DS-0032
4 mm. BANANA "FEMALE PLUGS"
Three 4 mm. Ø banana "female plugs": red, black and white colours, for banana "male plug" connection.

Ref. DS-0010
BANANA "COMPACT CONNECTOR"
Compact connector for controllers, allows an easy and direct connection to international and Stop & Go boxes.
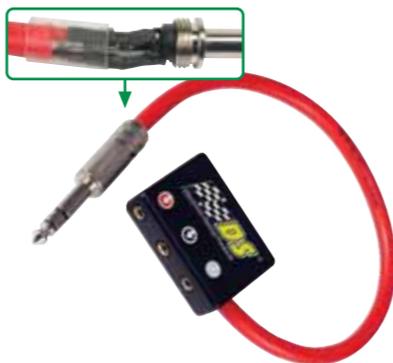
Ref. DS-0011
BANANA PLUG "COMPACT CONNECTOR" WITH WIRE
Compact connector for controllers, allows an easy and direct connection to international and Stop & Go boxes. With tricolour silicon wire of 1.5 meter assembled.

Ref. DS-0073
ADAPTER WIRE FROM FEMALE COMPACT CONNECTOR TO 6 mm. STEREO JACK

ADAPTERS

Ref. DS-0059
SILICON WIRE FOR CONTROLLER
1.5 meter with 3 coloured banana plug assembled.

Ref. DS-0074
FEMALE DS "COMPACT" CONNECTOR
If your track connection system is different than the DS, don't worry, you now can install in you controller the universal female DS compact box and adapt it to any track with it.

Ref. DS-0079
SCX CONTROLLER CONNECTOR
Adapter wire from 4 mm. banana "female plug" to standard SCX track connection.

FURNITURE SUPPORTS

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.

DS COMPONENTS NOT INCLUDED!

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!

WITEC CONTROLLER

• PWS fully electronic slot racing controller
• Contactless Infrared optical trigger sensor.
• Adjustable spring tension.
• Usefull for 1 or 2 finger driver style.
• Power wiring length reduced to minimize power loose.
• Bi directional data wireless controller 2.4GHz.
• Remote wireless power map setup.
• Wireless live mode with Telemetry system.
• Protected Power box unit with fuse control system to avoid damages on the controller. Easy to replace.
• Lightweight and friendly handle.
• Pre assembled with 4mm individual banana plugs for direct DS plug in for negative track wiring connection.
• Preset 64 power maps for most used driving styles, classified in 4 block of 16 power maps each.
• Brake control adjustment, from 100% to 0%
• Special True Trigger Speed (TTS) brake system that helps on short and continuos brakings .
• Antispin adjustment, helps on exiting the corners without sliding working as a traction control.

INFO

DS Electronic products enter to the controller market with a fully electronic Controller, developed over years of tests, races and improvement at the best worldwide slot racing events.

ADAPTERS

Ref. DS-0089
WITEC USB RECEIVER
• USB plug in key, fully compatible with USB 1.0 and 2.0.
• Individually Protected 2.4GHz link.
• Download free software from www.ds-racingproducts.com

WiTEC software has been developed together with WiTEC controller and USB WiTEC receiver, to be the first slot system with wireless telemetry. It is possible to setup controller parameters by a computer.
The new WiTEC system allows users to get acknowledgement what is happening on the controller in real time and detect any problem if it exists, but specially is possible to edit at 100% the power maps wireless, or what is the same, trigger sensibility. This software is free, but the USB WiTEC receiver is needed to connect with WiTEC controller.

Ref. DS-0119
WITEC FUSES
Original replacement DS-WITEC controller for protection box.

POWER SUPPLY

Ref. DS-0051
10 Volts DC 3 A. POWER ADAPTER

Recommended for "DS-300 PRO" or "INTERFACE" lap counters.
Output: 10 V. and 3 Amp. A.C.

NEW

INFO

The DS power suppliers are universal, this means, they can be used on any kind of slot 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
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.
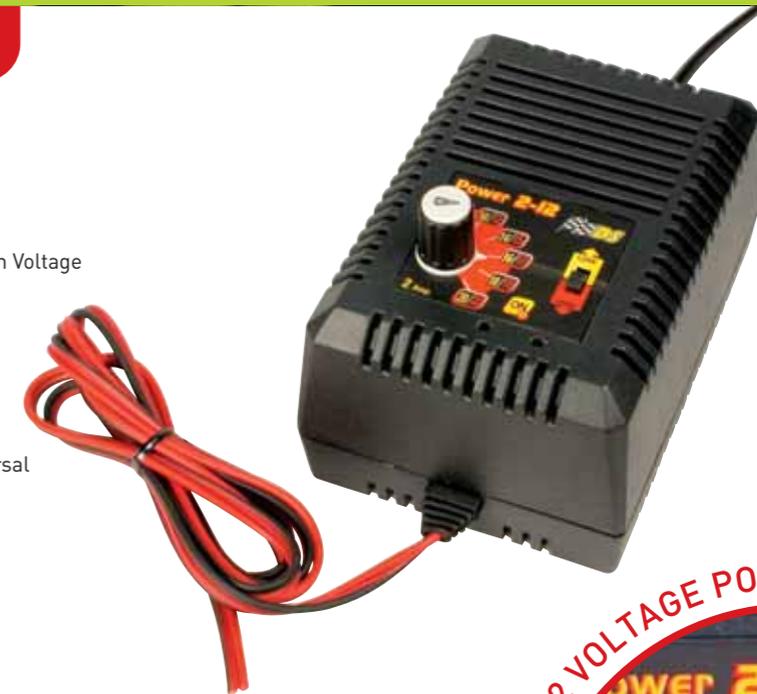
12 VOLTAGE POSITIONS

LAP COUNTER POWER SUPPLIER TRANSFORMERS

Ref. DS-0002b

DS POWER-2 BASIC

The track power supplier POWER-2BASIC, is the lower and economic range of professional DS power units. With 2 Amperes it is adjustable in Voltage (8 / 10 / 12 / 14 / 16 / 18 V.). DC voltage.

TECHNICAL DATA:
• Universal use power supplier, it works with any kind of slot track system on the market.
• Automatic electronic protection for short circuits or overload cut off indicated by a led display.
• New extraflexible bipolar cable.
• Switch function using revolving commutator with six position.
• 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: 13cm, width: 9cm and height: 7cm.
• Also available with UK 220 V. plug.

6 VOLTAGE POSITIONS

NEW

TRACK POWER SUPPLIER TRANSFORMERS

Ref. DS-0003b

DS POWER-3

The track power supplier POWER-3, is the higher range range of professional DS compact power units. With 3 Amperes it is adjustable in 24 position Voltage (from 8'5 to 20 V.). Fully stabilised dc voltage.

TECHNICAL DATA:
• Universal use power supplier, it works with any kind of slot track system on the market.
• Automatic electronic protection for short circuits or overload cut off indicated by a led display.
• Switch function using revolving commutator with eleven position.
• Power is on/off shown by means of a bicolour LED (green/red)
• 3 Amp of power and non limited direct current.
• For 220V. use with 60VA, stabilised and rectified current.
• Size: length: 13cm, width: 9cm and height: 7cm.
• Also available with UK 220 V. plug.
• 4 mm. banana socket plug for track connetion wire.

24 VOLTAGE POSITIONS

NEW

TRACK POWER SUPPLIER TRANSFORMERS

Ref. DS-0004
DS POWER-5 BASIC

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.
• 4 mm. banana socket plug for track connetion wire.

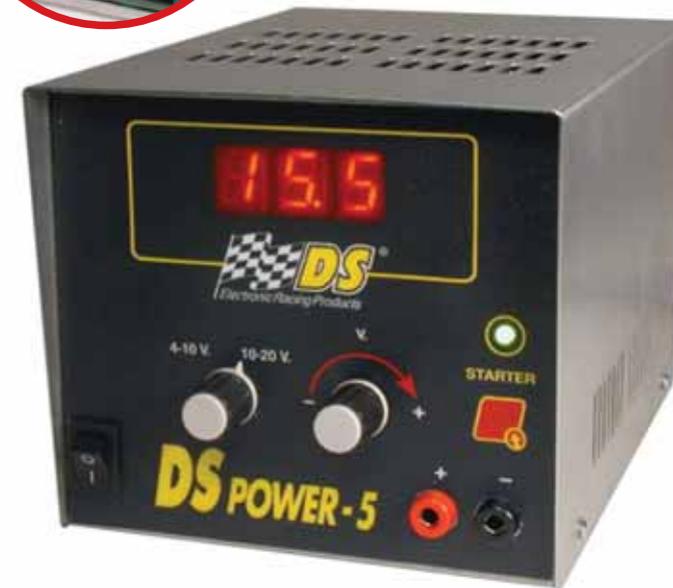STANDARD TRANSFORMER

TRACK POWER SUPPLIER TRANSFORMERS

Ref. DS-0005
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.
• 4 mm. banana socket plug for track connetion wire.
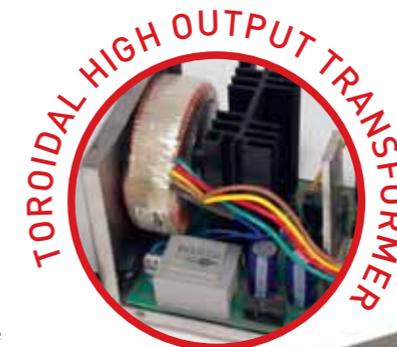
TOROIDAL HIGH OUTPUT TRANSFORMER

TRACK
SENSORS

DS®
Electronic Racing Products

"INFRARED BRIDGE" SENSORS

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 costumer's needs,
apart from the mentioned above.

DS-0088
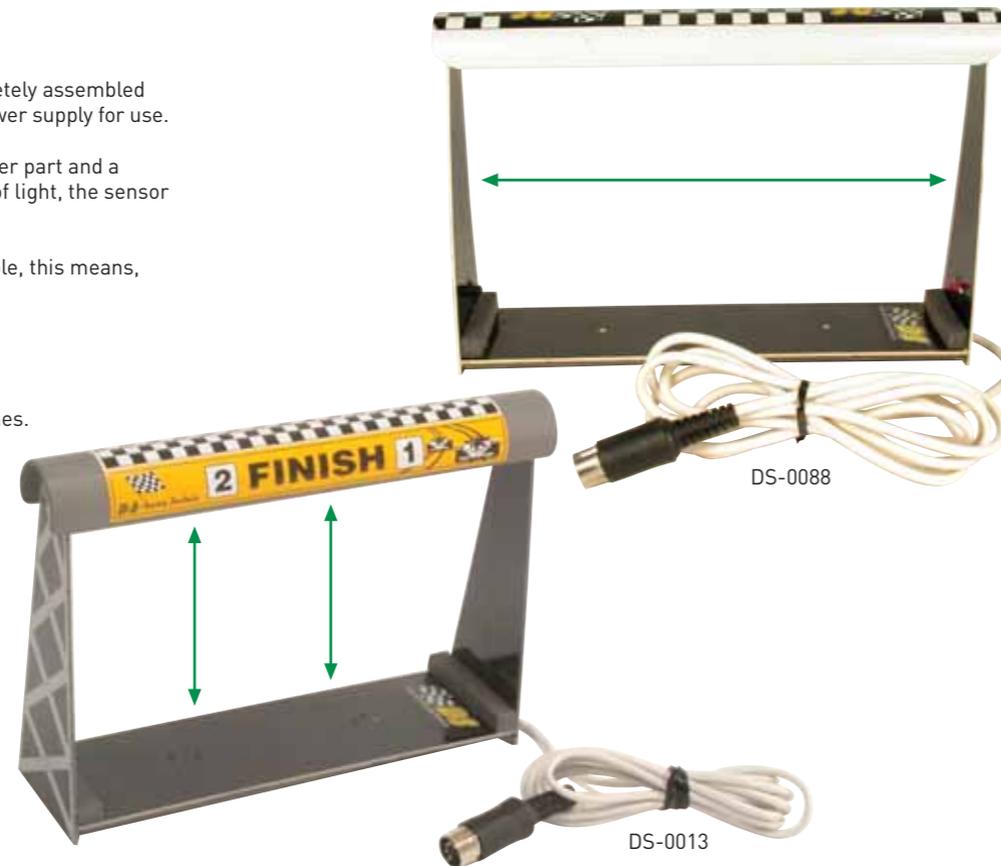
DS-0013

Ref. DS-0013	78 mm TRACK SYSTEM 2 LANES
Ref. DS-0026	78 mm TRACK SYSTEM 4 LANES
Ref. DS-0027	78 mm TRACK SYSTEM 6 LANES
Ref. DS-0028	78 mm TRACK SYSTEM 8 LANES
Ref. DS-0033	89 mm TRACK SYSTEM 2 LANES
Ref. DS-0034	89 mm TRACK SYSTEM 4 LANES
Ref. DS-0035	89 mm TRACK SYSTEM 6 LANES
Ref. DS-0036	100 mm TRACK SYSTEM 2 LANES
Ref. DS-0037	100 mm TRACK SYSTEM 4 LANES
Ref. DS-0038	100 mm TRACK SYSTEM 6 LANES
Ref. DS-0039	100 mm TRACK SYSTEM 8 LANES
Ref. DS-0040	110 mm TRACK SYSTEM 2 LANES
Ref. DS-0041	110 mm TRACK SYSTEM 4 LANES
Ref. DS-0042	110 mm TRACK SYSTEM 6 LANES
Ref. DS-0043	110 mm TRACK SYSTEM 8 LANES
Ref. DS-0054	90 mm TRACK SYSTEM 2 LANES
Ref. DS-0055	90 mm TRACK SYSTEM 4 LANES
Ref. DS-0056	90 mm TRACK SYSTEM 6 LANES
Ref. DS-0057	90 mm TRACK SYSTEM 8 LANES
Ref. DS-0081	RALLY SLOT SPECIAL infrared only with 1 sensor lateral beam

INFO

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

TRACK "DEAD SECTION" SENSORS

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.
• NINCO: 200 mm. straight.

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

Ref. DS-0012   **SCALEXTRIC**
Ref. DS-0016   **CARRERA EXCLUSIV – EVOLUTION**
Ref. DS-0031   **SCALEXTRIC SPORT**
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.

INFO

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 senor.

UNIVERSAL SENSORS

Ref. DS-0106   **2 LANE SENSOR FOR DS LAP COUNTING SYSTEM.**
New reinforced structure.
New reverse sensor to make it usefull on all track systems on the market (7.8cm, 9cm. and 10cm slot distances)
Extra border extensions supplied for narrow tracks.
Supplied completely assembled and ready tu plug-in.
Compatible with Ds-200, DS-300 and Ds-Interface Lapcounters.

Ref. DS-0107   **4 LANE SENSOR FOR DS LAP COUNTING SYSTEM.**
New reinforced structure.
New reverse sensor to make it usefull on all track systems on the market (7.8cm, 9cm. and 10cm)
Extra border extensions supplied for narrow tracks
Supplied completely assembled.
Compatible with DS-300 and Ds-Interface Lapcounters.

Ref. DS-0108   **6 LANE SENSOR FOR DS LAP COUNTING SYSTEM.**
New reinforced structure.
New reverse sensor to make it usefull on all track systems fully adjustable to any track slot distance.
Includes spacers and border options to set it up directly with common track systems (7.8cm, 9cm and 10cm).
Supplied in kit with preassembled wiring.
Compatible with DS-300 and Ds-Interface Lapcounters.

Ref. DS-0109   **8 LANE SENSOR FOR DS LAP COUNTING SYSTEM.**
New reinforced structure.
New reverse sensor to make it usefull on all track systems fully adjustable to any track slot distance.
Includes spacers and border options to set it up directly with common track systems (7.8cm, 9cm and 10cm).
Supplied in kit with preassembled wiring.
Compatible with DS-300 and Ds-Interface Lapcounters.

Lane 2

Lane 1
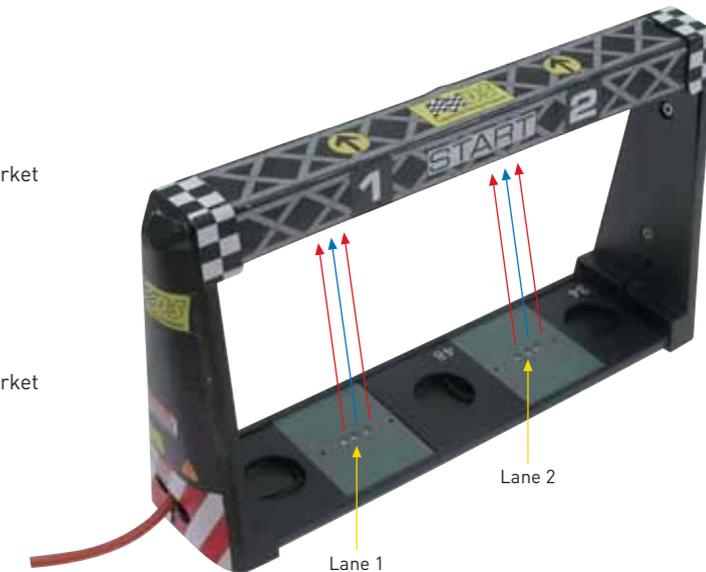
DS-0098
INFRARED SPARE LED'S
FOR INFRARED BRIDGES

TRACK CONTROL BOXES

DS Electronic Racing Products

"Just imagine... We did it!"

DS ®
Electronic Racing Products

Ref. DS-0117
VOLTAGE REGULADOR

This electronic unit allows accurately adjust the voltage from 7,2 Volts to 19.99 Volts. It also allows to regulate the brakeforce with a lineal potentiometer.

Specifications:
• 4 mm banana female socket plugs for a easy DS controller or DS compact box plug in.
• Small size.
• Especially designed for the DS connection boxes DS-0022, DS-0021 and DS-0061.
• 4 mm banana plugs with Copper - Beryllium contacts in order to assure the minimum waste in contact.
• The minimum unit feeding at 10 Volts and the maximum is 22 Volts.
• Voltage regulation through the high energetic efficacy STEP-DOWN switcher.
• Pre-established for 3 Amperes output current.
• Brakeforce potentiometer 10 Ohms and 5 Watts.
• 4 large red display units for a clear voltage view.

NEW

INFO

Used mainly in free voltaje race style like Rallyslot and or to allow race with a new feature like a driver handicap.

Ref. DS-0060
DRAGSTER BOX SET
Especial traffic light tree for Dragster races.

PRO SERIES

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).

INFO
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!
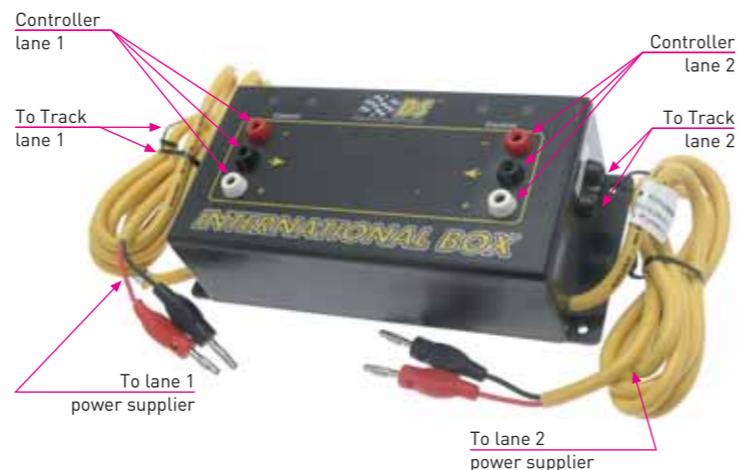
To DS-200 PRO lap counter

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.

Controller lane 1

Controller lane 2

To Track lane 1

To Track lane 2

To lane 1 power supplier

To lane 2 power supplier

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.

PRO SERIES

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.

Controller lane 1

Controller lane 2

To Track lane 1

To Track lane 2

To lane 1 power supplier

To DS lap counter

To lane 2 power supplier

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-300 Unit 1-2	✘	✘	✔	✘
DS-300 Secondaries U.	✔	✘	✔	✘
DS-0021 Stop&Go	✔	✔	✘	✘
DS-0061 PRO Stop&Go	✔	✔		

CARD CONTROL

Ref. DS-0062
DS CARD CONTROL READER
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.

PRO SERIES

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 webcam.
-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.

PRO SERIES

INFO
Need DD-0044 or - D-0046 software to work
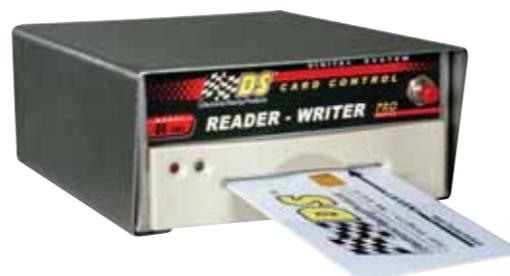
Ref. DS-0064
CREDIT CARDS
Ten recordable credit card units, which can be personalised for the use of costumer card or can be used for the configuration of the readers (ref. DS-0062).

Ref. DS-0088
PERSONALISED CREDIT CARDS
Credit car personalising with your logo, address, advertising... Minimum order of 100 cards. There is the possibility of personalising with multiple colours.

ACCESORIES

DS®
Electronic Racing Products
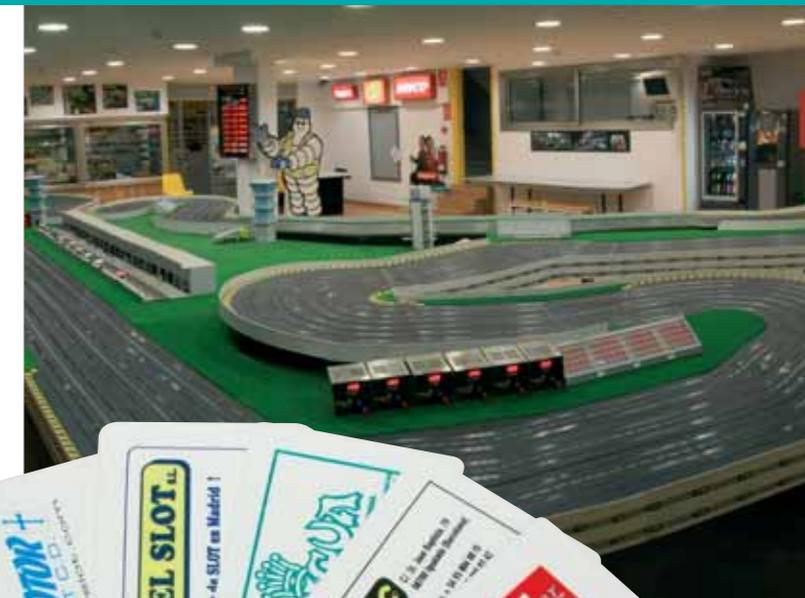
ACCESORIES

DS WIRELESS SYSTEM

ELECTRONICS ACCESORIES - WIRES, TRACK CONNECTIONS

Ref. DS-0110
RS-232C TO USB CONVERSOR WITH WIRELESS EMISSOR SYSTEM FOR DS300
Specially DS designed converter for modern Computer USB plug, allows to connect DS 200, 300 and INTERFACE computers to a PC for WINSLOT software use. We improve the system unit adding a DS wireless system, so it is also possible to receive your race data to your PC by protected DS 2.4Ghz wireless net. To work is needed a receiver unit (DS-0115 or DS-0111).

Ref. DS-0111
DS WIRELESS RECEIVER FOR SUPER TOWER DS4000
Move the tower to your events or hang it everywhere, your race data will always displayed without the need of any wire.

Ref. DS-0112
WIRELESS EMISSOR FOR DS200
Special for rallyslot or raid multi track simoultaneous race Specially designed emissor unit for multi track races, like Rallyslot, and send all data from all track to your race control for live timing.

Ref. DS-0113
TESTING BENCH WIRELESS PACK (EMISSOR + RECEIVER)
Do your motors or cars tests and send the data wireless to your PC for live or further analysis.

Ref. DS-0115
USB RECEIVER FOR DS WINSLOT DATA SOFTWARE
Receive your DS-300 or DS-Interace race data in you PC for WINSLOT use. Needs DS-0110 unit to work.

Ref. DS-0116
USB RECEIVER FOR DS RALLY+ SOFTWARE
Receive your DS-200 race data in you PC for RALLY+ use. Needs DS-0112 unit to work.

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 SUPPL Y WIRE
To be used together with another supplier in any DS lap counter.

Ref. DS-0023
BICOLOUR WIRE FOR TRACK POWER
10 metres of bicolour black/red wire of 1 mm. of section.

Ref. DS-0025
4 mm Ø BANANA PLUGS
Two 4 mm. Ø banana plugs: red and black colours, for controller connection.

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).

ELECTRONICS ACCESORIES - WIRES, TRACK CONNECTIONS

Ref. DS-0053
TRACK POWER WIRING SET
5 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-0094
ADAPTER WIRE TO USE DS-0061 WITH DS-INTERFACE SYSTEMS
Allow to use Pro Stop&Go controller boxes with DS -INTERFACE lap counting system.

Ref. DS-0092
TENSION LINKAGE CLIPS
Set of clips with special desing that helps Carrera-Exclusiv power current supply. 6 units.

Ref. DS-0093
TENSION LINKAGE CLIPS
50 units.

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-0120
EXTENSION WIRE FOR SCX
2.5m meter long to keep the power stable on long tracks.

Ref. DS-0121
EXTENSION POWER WIRE NINCO / SPORT
2.5m meter long to keep the power stable on long tracks. Connection clip valid to be used on different track systems.

Ref. DS-0122
EXTENSION POWER WIRE CARRERA
Carrera plastic tracks system needs large quality of power units, is needed each 5 m. lenght. DS offers a 2,5 meter long to keep the power stable.

Ref. DS-0124
EXTENSION POWER WIRE FROM 4MM. BANANAS TO SCX TRACK CONNECTION
1.5m meter long to plug new Ds-5001 computer to SCX track system.

ELECTRONICS ACCESORIES - WIRES, TRACK CONNECTIONS

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"Just imagine... We did it!"

Ref. DS-0098
**INFRARED SPARE LED'S
FOR INFRARED BRIDGES**
Led from Infrared bridge may be need
to be replaced after continous use
during a long term (years), DS offer
you the possibility to replace them
without problems with the original
DS infrared Leds.

Ref. DS-0099
RED LED
Break 3mm.

Ref. DS-0100
BLUE XENON LED
Front 3mm.

Ref. DS-0101
WHITE XENON LED
Front 3mm.

Ref. DS-0102
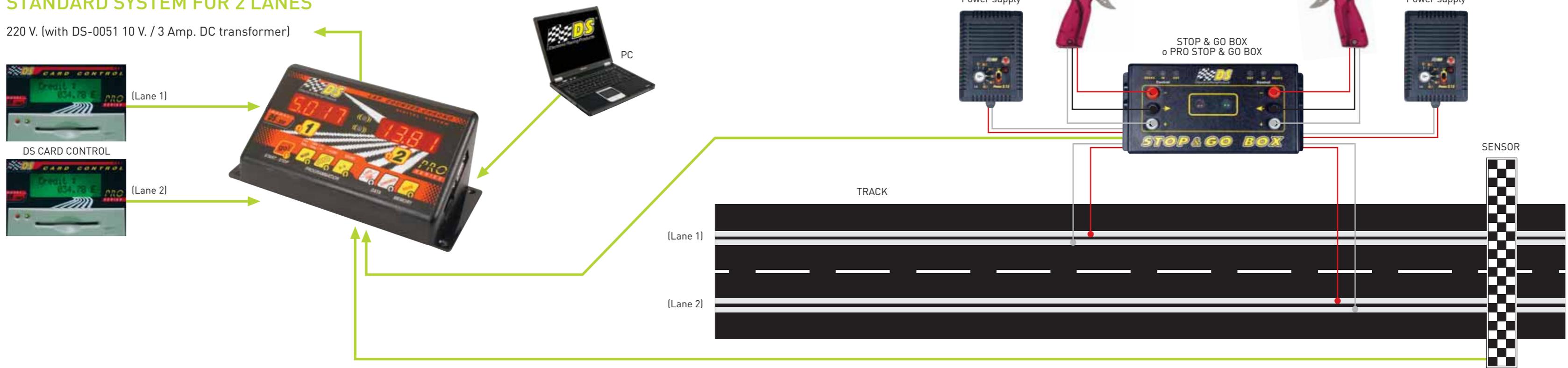**YELLOW XENON LED**
Front 3mm.

CONNECTION DIAGRAMS

DS®
Electronic Racing Products

DS-200 PRO AND ACCESORIES

STANDARD SYSTEM FOR 2 LANES

220 V. (with DS-0051 10 V. / 3 Amp. DC transformer)

DS CARD CONTROL

(Lane 1)

(Lane 2)

PC

Power supply

STOP & GO BOX
o PRO STOP & GO BOX

Power supply

SENSOR

TRACK

(Lane 1)

(Lane 2)

DS-200 PRO AND ACCESORIES

SLOT DRAGSTERS SYSTEM

220 V. (with DS-0051 10 V. / 3 Amp. DC transformer)

DS CARD CONTROL

(Lane 1)

(Lane 2)

DRAGSTER BOX

PC

"V" WIRE (DS-0018)

Power supply

INTERNATIONAL BOX

Power supply

SENSORS

TRACK

(Lane 1)

(Lane 2)

DS-300 PRO AND ACCESORIES

220 V. (with DS-0051 10 V. / 3 Amp. DC transformer)

PC

DS CARD CONTROL
(One "DS CARD Control" for each lane)

Power supply

Power supply

STOP & GO BOX
o PRO STOP & GO BOX

TRACK LANE 1

TRACK LANE 2

STOP & GO BOX
o PRO STOP & GO BOX

(Same as lanes 1 and 2)

(Same as lanes 1 and 2)

(Same as lanes 1 and 2)

SENSOR

TRACK

(Lane 1)

(Lane 2)

(Lane 3)

(Lane 4)

(Lane 5)

(Lane 6)

(Lane 7)

(Lane 8)

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"Just imagine... We did it!"