



Products Catalogue 2008

Off-Road Radio Controlled Motorbikes in scale 1:4

Patented stabilizer mechanical gyro effect

ARx-540

- CROSS ELECTRIC
- CROSS NITRO
- MOTARD CROSS
- MOTARD NITRO
- CONVERSION KITS
- ADD-ONS
- SPARE PARTS

Product Catalogue 2008



Radio Controlled
Motorbike in scale 1:4
ELECTRIC

ARx-540 – Electric Cross and Electric Motard

VERSIONS available for both Cross and Motard

- BASE (not assembled, without engine, battery, esc)
- BASE ARR (assembled, without motor, battery, esc)
- COMBO 7.4 (not assembled, complete of motor BL 5900, battery 7.4 Lipo, ESC Novatek)
- COMBO 7.4 ARR (assembled, complete of motor BL 5900, battery 7.4 Lipo, ESC Novatek)
- COMBO 11.1 (not assembled, complete of motor BL 4400, battery 11.1 Lipo, ESC Novatek)
- COMBO 11.1 ARR (assembled, complete of motor BL 4400, battery 11.1 Lipo, ESC Novatek)

Components not included in any versions: Radio Control, Servo.



Radio Controlled
Motorbike in scale 1:4
NITRO

ARx-540 – Nitro Cross and Nitro Motard

VERSIONS available for both Cross and Motard

- BASE (not assembled, without motor, Clutch, Clutch bell, Air filter)
- COMBO NITRO (not assembled, with motor Novarossi, Clutch, Clutch bell, Air filter)
- COMBO NITRO ARR (assembled with motor Novarossi, Clutch, Clutch bell, Air filter)

Components not included in any versions: Radio Control, Servo.



Add-on: Elettric / Nitro

- ESC Novateck
- Battery 7.4
- Battery 11.1
- Engine for electric Brushless 4400 Kw, Brushless 5000 Kw, Brushless 5900 Kw
- Novarossi Engine for Nitro
- Clutch
- Clutch bell
- Air Filter



Spare parts and Conversion Kits

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ARx-540 Electric Cross

Technical specifications

(Pictures example is a Base version)

Stickers: in the box have four different colours and four rows of numbers from 0 to 9 to give the possibility to personalize the body at rider will.

The steering Con-rods: made of NYLON to be able to limit impact forces in case of crash. They can break preventing major damages.

Steering: double spring setup. Steering response can be adjusted to the driver's need.

Body shell: made of crystal clear Polycarbonate. Seat cover of the picture is optional.

Rear shock absorber: oil damped, there are 6 different installing positions and possibility to adjust spring pre-load.

Inside the rear wheel shell: there is the patented gear mesh that drives the gyro flywheel.

Front Upside-Down fork: has 2 internal springs, the triples are CNC machined from billet aluminium.

Frame: laser cut from 2mm thick sheets, the plates are keep in place using aluminium CNC machined spacers and by ø6mm threaded steel bars. All the frame plates are black anodized.

Version Base includes:

- Pilot
- Stand
- Stickers
- Manual in CD

Version Combo includes:

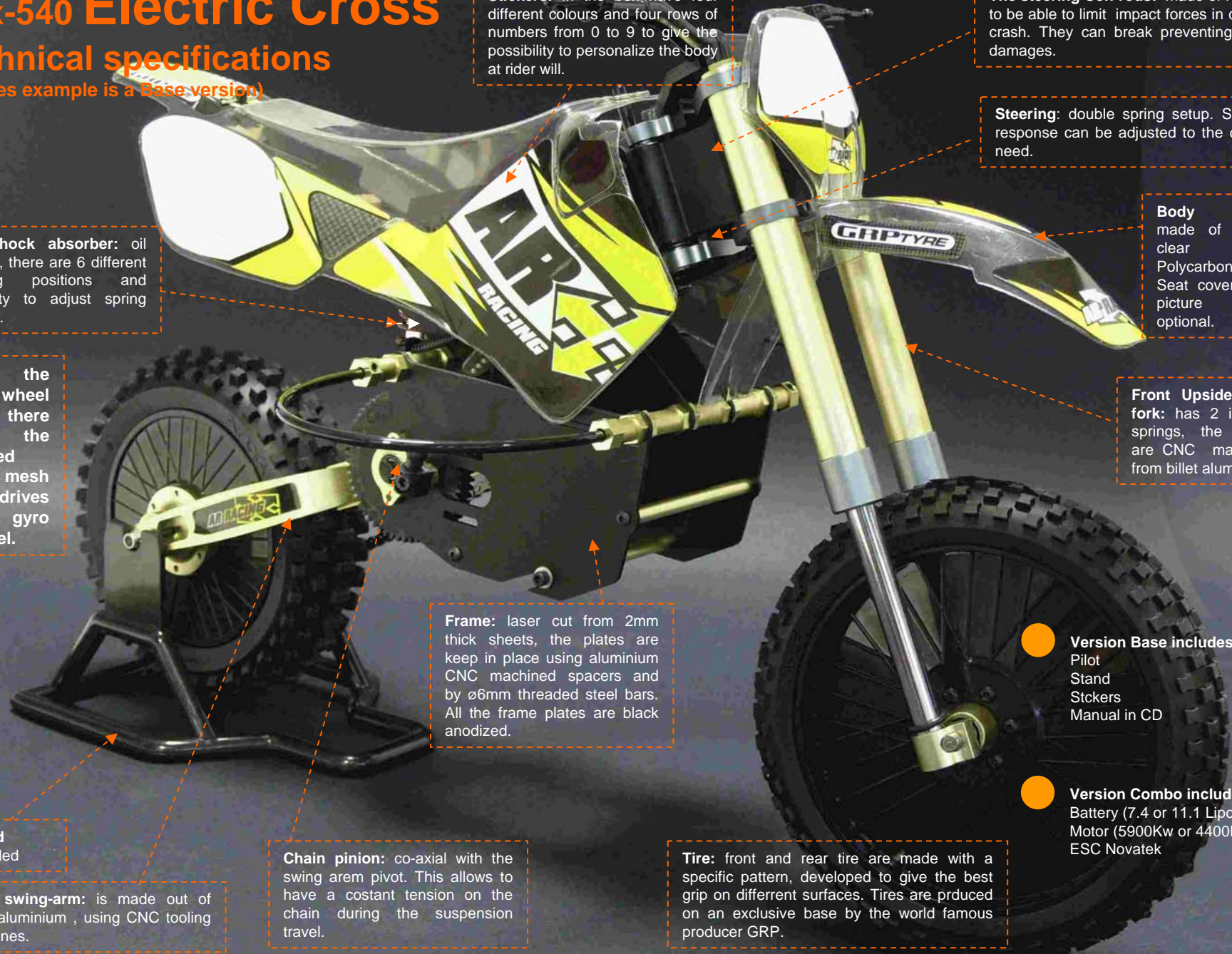
- Battery (7.4 or 11.1 Lipo)
- Motor (5900Kw or 4400Kw BL)
- ESC Novatek

Stand included

Rear swing-arm: is made out of billet aluminium, using CNC tooling machines.

Chain pinion: co-axial with the swing arm pivot. This allows to have a constant tension on the chain during the suspension travel.

Tire: front and rear tire are made with a specific pattern, developed to give the best grip on different surfaces. Tires are produced on an exclusive base by the world famous producer GRP.



ARx-540 NITRO Cross

Technical specifications

(Picture example is a Combo version)

The steering Con-rods: made of NYLON to be able to limit impact forces in case of crash. They can break preventing major damages.

Front Upside-Down fork: has 2 internal springs, the triples are CNC machined from billet aluminium.

Engine: powerfull and reliable this Novarossi engine is modified from standard production following our inputs. It has a displacement of 0.12 (2.5cc), a 5 port sleeve and equipped with a rotary carb.

Frame: laser cut from 2mm thick sheets, the plates are keep in place using aluminium CNC machined spacers and by ø6mm threaded steel bars. All the frame plates are black anodized.

Chain pinion: co-axial with the swing arm pivot. This allows to have a constant tension on the chain during the suspension travel.

Rear swing-arm: is made out of billet aluminium, using CNC tooling machines.

Tire: front and rear tire are made with a specific pattern, developed to give the best grip on different surfaces. Tires are produced on an exclusive base by the world famous producer GRP.

Steering: double spring setup. Steering response can be adjusted to the driver's need.

Stickers: in the box have four different colours and four rows of numbers from 0 to 9 to give the possibility to personalize the body at rider will.

Body shell: made of crystal clear Polycarbonate. Seat cover of the picture is optional.

● **Version Base includes:**
Pilot
Stand
Stickers
Manual in CD

● **Version Combo includes:**
Motor Novarossi
Clutch
Clutch bell
Air filter

Rear shock absorber: oil damped, there are 6 different installing positions and possibility to adjust spring pre-load.

Inside the rear wheel shell: there is the patented gear mesh that drives the gyro flywheel.

Stand is included



ARx-540 NITRO Motard

Technical specifications

(Picture example is a Combo version)



ARx-540 **Electric Motard**

Technical specifications

(Picture example is a Base version)

TECHNICAL CHARACTERISTICS

Radio controlled model reproduction of a dirt bike in 1:4 scale.

FRAME

4 side panels are used to create the frame: 2 upper and 2 lower, produced from 2 mm aluminium with laser cut technology, followed by black anodic, assembled together using 6 mm steel bolts and aluminium spacers created from solid blocks with CNC technology.

This design is used to create a lighter upper part, which means a lower center of gravity, to obtain an awesome stability and perfect steering ability on any sort of ground.

The high position of this area is optimum to locate the electronics, receiver and servos, as it is far and protected from water, mud, sand and debris.

The lower part of the frame is the motor/battery area.

It is reinforced with aluminium spacers to resist the torsional stress produced during extreme riding.

FORKS

Upside-down spring fork, bolted to the frame through 2 CNC clamps and 2 plastic connecting rods reinforced and mounted on 8 roller bearing to create a really smooth and accurate steering effect.

Even at the front end all the components are produced from solid aluminium blocks with CNC technology, tolerances are kept to the minimum to obtain maximum smoothness operation during the compression/extension of the fork, fast steering responds and tough package.

BODY

Plastic has been chosen for the steering rod to create an element that absorb the main stresses of a crash impact to avoid to damage other, more expensive, components of the bike in case of driving mistakes.

REAR SWING ARM

The rear swing arm, produced by CNC as well, during all kinds of riding will resist any sort of deformation stress, longitudinal or torsional.

The chain front sprocket has its center in the pivot point of the swing arm, this means that the chain tension will remain constant at any point of the rear suspension travel.

This solution is at any time the best, even the real bike manufacturer wish to reach this solution but it is very difficult to obtain.

Oil rear CNC shock with coil spring and reinforced foot.

To modify the suspension set up according to the ground surface it is possible to change shock oil, increase or decrease spring preload and to vary the shock bolting point between 6 different positions.

STABILITY: GYROSCOPIC EFFECT

Inside the rear wheel shells is located the flywheel, registered system, which creates the gyroscopic effect, real innovation point that allows off road driving. It uses gears and centrifugal clutch to transmit energy to the flywheel during bike accelerations and steady speed driving.

While braking the clutch closes and the flywheel keep spinning on neutral, not affected by tire rotational speed.

This means that the gyroscopic effect remains even in the slow corners of the tracks.



Technical data	Electric		Nitro	
	Cross	Motard	Cross	Motard
Wheight	3.2Kg	3.2Kg	3.2Kg	3.2Kg
Dimensions (cm)	L x W x H 52x18x30 without doll			
Fork travel	75 mm	55 mm	75 mm	55 mm
Rear shock travel	50 mm	50 mm	50 mm	50 mm
Rear wheel travel	Adjustable up to max 80 mm			
Chain front sporocket (t)	9	9	8	8
Chain rear sporocket (t)	32	32	32	32
Motor sporocket (t)	7	7	13	13
Primary sporocket (t)	56	56	56	56Rear
Rear brake	Engine power		Working on clutch body	
Clutch			2 composite	
Battery	7.2 V 3300 mA NiMh 7.4 V 6000 mA LiPo 11.1 V 4000 mALiPo			
Fuel			16% nitro	
Motor	Brushless 4400 Kv Brushless 5000 Kv Brushless 5900 Kv		2.5 cc	
Front wheel D (cm)	16.5	13.5	16.5	13.5
Rear wheel D(cm)	15	14	15	14
Frame	2 mm aluminium laser cut			
Other suspension and frame components	Created from solid aluminium blocks using CNC technology			
Wheel shells, rear protection, steering rod	Reinforced plastic			
Required radio	2 channels			



Table of comparison Electric vs Nitro Cross vs Motard



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Prices

Product Catalogue – MOTO CROSS

Product Code	Description group	Quant.	Description component	Price in Euro (including VAT)
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RC MOTORBIKE: CROSS ELECTRIC

X-BASE	ARx-540 Not Assembled	1	ARx-540 Not Assembled INCLUDING: detailed manual instruction on CD, Stickers, Pilot, Stand. NOT INCLUDED: Electronic	570.0
X-ARR	ARx-540 Assembled	1	ARx-540 Assembled INCLUDING detailed manual instruction on CD, Stickers, Pilot, Stand. NOT INCLUDED: Electronic	650.0

RC MOTORBIKE: CROSS NITRO

Arx-N	ARx-540 Not Assembled	1	ARx-Nitro Base Not Assembled INCLUDING: detailed manual instruction on CD, Stickers, Pilot, Stand, Silencer, Tank, Exhaust Pipe. NOT INCLUDED: Engine, Clutch and Clutch bell, Air filter	649.0
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Product Catalogue – MOTO MOTARD

Product Code	Description group	Quant.	Description component	Price in Euro (including VAT)
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RC MOTORBIKE: MOTARD ELECTRIC

M-BASE	ARx-540 Not Assembled	1	ARx-540 Not Assembled INCLUDING: detailed manual instruction on CD, Stickers, Pilot, Stand. NOT INCLUDED: Electronic	570.0
M-ARR	ARx-540 Assembled	1	ARx-540 Assembled INCLUDING detailed manual instruction on CD, Stickers, Pilot, Stand. NOT INCLUDED: Electronic	650.0

RC MOTORBIKE: MOTARD NITRO

ARM-N	ARx-540 Not Assembled	1	ARx-Nitro Base Not Assembled INCLUDING: detailed manual instruction on CD, Stickers, Pilot, Stand, Silencer, Tank, Exhaust Pipe. NOT INCLUDED: Engine, Clutch and Clutch bell, Air filter	649.0
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Product Catalogue – COMBO CROSS

Product Code	Description group	Quant.	Description component	Price in Euro (including VAT)
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COMBO CROSS ELECTRIC

ARx-CP 540	Combo Performance	1	COMBO PERFORMANCE includes the ARx-540 not assembled (Code X-Base) and the Kit add ons Performance (Code Performance Kit). COMBO PERFORMANCE is 15% discounted compared to the purchase of the X-Base and Performance Kit separately.	799.0
ARx-CP 540 ARR	Combo Performance ARR	1	COMBO PERFORMANCE ARR includes the ARx-540 assembled (Code X-ARR) and the Kit add ons Performance (Code Performance Kit). COMBO PERFORMANCE is 14% discounted compared to the purchase of the X-ARR and Performance Kit separately.	899.0
ARx-CP Plus 540	Combo Performance Plus	1	COMBO PERFORMANCE PLUS includes the ARx-540 not assembled (Code X-Base) and the Kit add ons Performance Plus (Code Performance Plus Kit). COMBO PERFORMANCE PLUS is 15% discounted compared to the purchase of the X-Base and Performance Plus Kit separately.	799.0
ARx-CP Plus 540 ARR	Combo Performance Plus ARR	1	COMBO PERFORMANCE PLUS ARR includes the ARx-540 assembled (Code X-ARR) and the Kit add ons Performance Plus (Code Performance Plus Kit). COMBO PERFORMANCE PLUS is 14% discounted compared to the purchase of the X-ARR and Performance Plus Kit separately.	899.0

COMBO CROSS NITRO

ARx-NITRO COMBO	Combo Nitro Not Assembled	1	COMBO NITRO NOT ASSEMBLED includes the ARx-Nitro Base not assembled (Code: X-Nitro Base) and the Nitro Engine Kit separately.	899.0
ARx-NITRO COMBO ARR	Combo Nitro ARR	1	COMBO NITRO ARR includes the all assembled ARx-Nitro with the complete Nitro Engine Kit.	999.0

Product Catalogue – COMBO MOTARD

Product Code	Description group	Quant.	Description component	Price in Euro (including VAT)
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COMBO MOTARD ELECTRIC

ARM-CP 540	Combo Performance	1	COMBO PERFORMANCE includes the ARx-540 not assembled (Code X-Base) and the Kit add ons Performance (Code Performance Kit). COMBO PERFORMANCE is 15% discounted compared to the purchase of the X-Base and Performance Kit separately.	799.0
ARM-CP 540 ARR	Combo Performance ARR	1	COMBO PERFORMANCE ARR includes the ARx-540 assembled (Code X-ARR) and the Kit add ons Performance (Code Performance Kit). COMBO PERFORMANCE is 14% discounted compared to the purchase of the X-ARR and Performance Kit separately.	899.0
ARM-CP Plus 540	Combo Performance Plus	1	COMBO PERFORMANCE PLUS includes the ARx-540 not assembled (Code X-Base) and the Kit add ons Performance Plus (Code Performance Plus Kit). COMBO PERFORMANCE PLUS is 15% discounted compared to the purchase of the X-Base and Performance Plus Kit separately.	799.0
ARM-CP Plus 540 ARR	Combo Performance Plus ARR	1	COMBO PERFORMANCE PLUS ARR includes the ARx-540 assembled (Code X-ARR) and the Kit add ons Performance Plus (Code Performance Plus Kit). COMBO PERFORMANCE PLUS is 14% discounted compared to the purchase of the X-ARR and Performance Plus Kit separately.	899.0

COMBO MOTARD NITRO

ARM-NC	Combo Nitro Not Assembled	1	COMBO NITRO NOT ASSEMBLED includes the ARx-Nitro Base not assembled (Code: X-Nitro Base) and the Nitro Engine Kit separately.	899.0
ARM-NC ARR	Combo Nitro ARR	1	COMBO NITRO ARR includes the all assembled ARx-Nitro with the complete Nitro Engine Kit.	999.0

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For Pricing about the following elements:

- ESC Novateck
- Battery 7.2 V 3300 mA NiMh
- Battery 7.4 V 6000 mA LiPo
- Battery 11.1 V 4000 mALiPo
- Motor Brushless 4400 Kw,
- Motor Brushless 5900 Kw

- Motor Novarossi
- Clutch
- Clutch bell
- Air filter

- ALL SPARE PARTS



Please visit
www.armodelling.com



Or send a mail to info@armodelling.com

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