MANUAL



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#80905 & 80955 Brushless Competition Dual ADPC^{MDD} Power Profiles TwinBEC 6.0V/3.0A

USB Software Updateability

IMPORTANT !!!

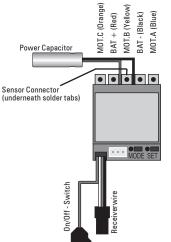
Make sure that you do a factory reset (press SET button while turning speedo on, with battery connected) after you have completed the firmware update to v4.0!

Otherwise malfunction or even damage may occur because of corrupted ROM in the microcontroller!!!

Specifications

	80905	80955			80905 & 80955
Pure Brushless Competition	y	es		TwinBEC	6.0V/3.0A
Forward/Brake	y	es		C ³ Technology	yes
Footprint	30.5 x	33mm		X-Brake	yes
Height	16mm	21mm]	"Boost O" Mode	yes
Weight (excl. wires)	30g	36g	1	Multi-Protection-System 3	yes
Voltage Input	3.7 -	7.4V	1	Internal-Temp-Check System 3	yes
Typ. Voltage Drop* @20A	0.011V	/ phase	1	Blue LED	yes
Rated Current*	400A /	/ phase	1	Power Wires	3.3mm ²
Compatible winding styles	St	tar	1	USB Software Updateability	yes
Rec. Motor Limit (@7.4V)	>4.5T	>3.0T	1	4 adjustable Modes (ACS2,	
Plugged Fan	optional	yes	1	Dual ADPC ^{MOD.3} , Autobrake)	yes

Connections & Explanations



Receiver Connecting Wire: The SXX-Series V2 is equipped with an LRP Multicon receiver wire. As supplied, it will easily fit in all ordinary receivers. Make sure you connect it to recei-ver with correct polarity and use channel 2.

Sensor Connector: The bi-directional multipole sensor wire connects the speed-control and the motor. Always use the sensor wire and do not alter or modify this cable! There are replaceable/optional hall sensor wires available. Through this connector this speed-control can be updated to the latest firmware using the optional "USB Bridge" #81800.

Power Wires: For maximum performance, flexible silicone

power wires: ror maximum performance, nextble sincone power wires: without any connectors are used. The splitted solder-tabs allow easy and convenient replacement of the power wires. Nevertheless some soldering skills are re-quired. Avoid soldering longer then 5sec per joint to avoid possible damage due to overheating of the components!

Heatsink: To achieve best perfomance even under extreme conditions, the heatsink has been directly mounted to the speed-control. This ensures the best possible heat transfer away from the speed-control.

Caution: Never attempt to remove the heatsink or your SXX-Series V2 may get damaged! The heatsink is an integral part, glued to the fet's and therefore cannot be removed.

Plugged Fan (#80955 onlyl): your speed-control contains a high-performance low-profile (25x25x7mm) fan and blue an-odised aluminium screws. The fan can be mounted on top of the heatsink and should be used for tough applications in hot

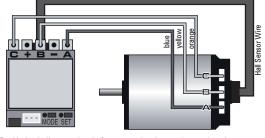
conditions such as TC Modified or 4wd OffRoad. As a guideline we recommend using the fan when using 25 LiPo and motors with less then 5.0T. The fan get's plugged into the 3-pin connector on the front and there is a replace-ment fan set available, please refer to complete line-up under point, Spare- and Optional Parts". On *SXX Competition Version 2* (#80905) model you can also connect an optional fan to the same "port" if needed.

Installation Guide

- Position the speed-control and capacitor where they are protected in the event of a crash and give you easy access to the connectors and buttons.
- Mount the speedo and capacitor using the supplied thick/black doubled-sided tape
- Make sure there is enough clearance between the speed-control, power-wires, antenna and receiver. Avoid any direct contact between power components, the receiver or the antenna as this can cause interference. If interference occurs, position the components at a different place in the model.
- The aerial should be run vertically up and away from the receiver. Avoid contact with any parts made of carbon fibre or metal. If the aerial is too long, don't coil up the excess length. See also the instructions supplied with your radio control system.

The SXX-Series V2 comes supplied with flexible 3.3mm² silicone power-wires without connectors. Be very careful with the correct wire sequence/colors since an incorrect connection may damage the speed-control! Avoid creating solder bridges on the solder-tabs and isolate all connections carefully.

Connect the speed-control to the receiver (position: Channel 2 Blue power-wire Speedo MOT.A to motor "A" Yellow power-wire Speedo MOT.E to motor "C" Connect the hall sensor cable to the speed-control (underneath the solder-tabs) and the motor.



- Doublecheck all connections before connecting the speed-control to a battery. *Caution:* If battery is connected with reversed polarity it will destroy your speed-control!
- Red power-wire Black power-wire → Speedo BAT+ to battery "Plus"
 → Speedo BAT- to battery "Minus"
- The speed-control is now ready to be set-up.

Thank you for your trust in LRP products. Your *LRP SXX Series Version 2* has been updated to the v4.0 firmware which affects the functions of your your speed-control and makes your original manual obsolete! This v4.0 firmware is perfectly tuned for 1:10th TouringCar Modified, please use other firmware files which will be better suited for those other classes.

Improvements over previous firmware versions:

- Dual ADPC^{mod.3} Feel & Boost profiles, perfectly tuned for 1/10 TouringCar Modified racing.
- Active Torque Control for perfectly adjustable torque & throttle control.
 Adaptive Brake Response for best control over entire speed-range and sharp brake response.
 Fading Compensation algorithm for linear feeling over entire run.

Please read the following instructions carefully before you start using your speed control. This user guide contains important notes for the safety, the use and the maintenance of this product. Thus protecting yourself and avoid damages of the product.

Proceed according to the user guide in order to understand your speed control better. Please take your time as you will These according to the user guide in order to understand your speed control better. These take your time as you will have much more joy with your product if you know it exactly. This user manual shall be kept in a safe place. If another customer is using this product, this manual has to be handed out together with it.

Calibrate Speed-Control to Radio

In setup mode the speed-control stores every step (e.g. learning your radios neutral and endpoints) by pressing the SET button. All the settings will be stored in the memory even if it will be disconnected from the battery.

Throttle Travel	High ATV, EPA	100%
Brake Travel	Low ATV, EPA, ATL	100%
Throttle Exponential	EXP, EXPO	start with 0
Neutral Trim	SUB Trim	centre
Servo Reverse	Throttle Reverse	any setting, don't change after set-up procedure!
f your transmitter doe	sn't offer any of above f	functions, it's already in "basic setup" mode.
Ensure that the spee	d-control is not connec	ted to the drive battery and is switched off.
-		eels of the model are free to rotate.
Switch the transmit	ter on and set the transi	mitter throttle stick to neutral.
Connect the speed-c	ontrol to the battery an	d switch the unit on.
Connect the speed-c Hold the SET button	ontrol to the battery an pressed for at least 3se	d switch the unit on. c.
Connect the speed-c Hold the SET button	ontrol to the battery an pressed for at least 3se	d switch the unit on.
Connect the speed-c Hold the SET button ➔ You entered set	ontrol to the battery an pressed for at least 3se up mode and the SET LE	d switch the unit on. c. ED flashes blue (it will flash until the setup is completed).
Connect the speed-c Hold the SET button → You entered set Leave transmitter in	ontrol to the battery an pressed for at least 3se up mode and the SET LE neutral position and pre	d switch the unit on. c.
Connect the speed-c Hold the SET button → You entered set Leave transmitter in → Neutral setting Hold full throttle on t	ontrol to the battery an pressed for at least 3se up mode and the SET LE neutral position and pre s stored , MODE LED fla ransmitter and press th	d switch the unit on. c. ED flashes blue (it will flash until the setup is completed). ess the SET button once. ashes yellow and the motor beeps. e SET button once.
Connect the speed-c Hold the SET button → You entered set Leave transmitter in → Neutral setting Hold full throttle on t	ontrol to the battery an pressed for at least 3se up mode and the SET LE neutral position and pre is stored , MODE LED fla	d switch the unit on. c. ED flashes blue (it will flash until the setup is completed). ess the SET button once. ashes yellow and the motor beeps. e SET button once.
Connect the speed-or Hold the SET button You entered set Leave transmitter in Neutral setting Hold full throttle on t Full-throttle set	ontrol to the battery an pressed for at least 3se up mode and the SET LE neutral position and pre s stored , MODE LED fla ransmitter and press th	d switch the unit on. c. ED flashes blue (it will flash until the setup is completed). ess the SET button once. ashes yellow and the motor beeps. e SET button once. D flashes red.

- If you make a mistake during the setup procedure, don't worry: Disconnect the battery for about 10sec and start again from the first step.
- At the start of each run switch on the transmitter first, then switch on the car.
- At the end of each run switch of the car, and then switch off the transmitter.
- For storage of the car, disconnect the drive battery at any time

Check the LED's when moving the throttle on your radio to doublecheck everything is setup correctly.

Function	Status	Mode LED	Set LED
Neutral		off	blue
Neutral (when "Boost Zero" enabled)		011	flashes blue
Forward	partial throttle	vellow	off
FUIWalu	full throttle	yenow	blue
Brake	partial brake	red	off
DIAKE	full throttle	160	blue

Multi Protection System 3

New and improved protection system "MPS3" which also informs you the cause of the shutdown with a special LED flashing sequence. You can indicate that a shutdown occured when blue SET LED flashes very fast and the "error code" (= cause for shutdown) is indicated by the MODE LED's as explained in table below. . Code IFD Hooking commence

Error (,0ae	LED	Tias	sning	sequ	ences:	

Error Code	Mode LED's	Set LED	Reason	Possible Cause
#1	Yellow		Speed-Control Thermal Shutdown	1. too high settings for ADPC Dual ^{MOD} power-profiles? 2. too high gear ratio?
#2	Red		Motor Thermal Shutdown	3. too low motor wind for application? 4. too high mechanical motor timing?
#3	Yellow/Red (alternate)	Blue (fast flashing)	Battery Low Voltage Cut-Off	battery empty or wrong setting in ACS2? battery damaged? motor too strong for battery discharge capability? 4. poor connection (bad connector, bad soldering joint)?
#4	Yellow/Red (same time)		Motor Failure	sensor wire missing or defective? drivetrain stuck? motor defective (locked rotor, damaged sensor)?

Internal-Temp-Check System 3: allows you to read-out the maximum internal temperature that the speedo and motor have reached during the run. You can convienently read-out the temperature back in the pits since it remains stored until you turn it on the next time regularly (which will reset the memory). This feature allows you to accurately check if all is running well or if you're close to shutdown already.

- A set first speed-control temperature will be indicated.
 A stirst speed-control temperature will be indicated.
 SET LED will start to flash blue (MODE LED's are off)
 count the number of flashes. The higher the number, the hotter the speedo ran (shutdown occurs at 10 flashes).
 count the number of flashes. The higher the number, the hotter the speedo ran (shutdown occurs at 10 flashes).
- to change to motor temperature read-out, press MDDE button one more time. SET LED will start to flash blue (MODE LED's are off) again, for motor the LED's on time will be shorter. count the number of flashes. The higher the number, the hotter the motor ran (shutdown occurs at 10 flashes). **ナナナ** ➔ every flash below 10 equals to 5°C temperature decrease.

Temperature chart (speed-control and motor temperature).

-						-	-		
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
> -45°C	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	Shut-
> -81°F	-72°F	-63°F	-54°F	-45°F	-36°F	-27°F	-18°F	-9°F	down
aution	motor	tempera	ture rea	d-out or	lv work	s if moto	r has a b	wilt-in N	ITC tem

Active power reduction at critical temperatures: The cut-off function for both motor- and speed-control temperature is now an active type, in case you're getting near critical motor- or speed-control temperatures the speed-control will automatically switch to "Boost0" mode during operation. This function allows you to finish your run or at least reach the pitlane during running, at reduced speed, as otherweise you would not finish your run! Info: the critical temperature, at which this protection triggers, is considered as equal to 9 flashes!

The blue LED will flash, in case the 9 flashes where reached during the run (to indicate it has switched to "Boost0 mode"), but this mode will of course not be stored in the memory but your choosen profiles will be active for next run (after switching off/on) again.

You should not exceed 8 flashes during normal use for both motor- and speed-control temperature, please adjust your profiles, gearing and motor accordingly, so you stay within these safe limits.

At your own risk: if you wish to disable motor temperature cut-off completely you can do so by using value 0 in Mode.1. We call this function "Hardcore Racing Mode". as it also disables the cell-voltage cut-off completely Important: The speed-controls thermal cut-off can not be disabled!

BUE IS BETTER

Mode Programming

The SXX-Series V2 features 4 modes which enable you to adjust it 100% to YOUR special requirements. The factory settings are shown in grey colour

- How to get into "programming the modes" → Press MODE button for 3 or more seconds How to check the stored values
 - → Count the number of flashes of the blue SET-LED (* = value 1 | ** = value 2 | etc.).
- How to change the value → Press SET button to increase value by one step
- How to get to the next Mode How to leave the programming mode
- → Press MODE button once.
- ➔ If you are in MODE.4, press the MODE button one more time, which will also store the settings!

Important: do not turn the switch off before leaving Mode 4 (by one more press of MODE button) as otherwise your recent changes won't be stored in the memory of the SXX-Series V2!

Table of settings, values and modes: see below (grey-shaded values show "works default settings")

Mode.1 (ACS2): v4.0 firmware only has cut-off function for 2S LiPo use, disable cut-off for all other batteries! LED flashes Remark #0 #1 Cut-Off Voltage Yellow

disabled 2S LiPo use for

Important: Using value #0 in this mode will also disable the motor temperature cut-off function! Please refer to section "Multi Protection System 3" for further details.

. Mode.2 ("Feel / Active Torque Control"):

LED flashes	Remark	#0	#1	#2	#3	#4	#5	#6
	Current Limiter	none	[high		low	med	high
Red	Torque Timing %	0%	40%	45%	50%		0%	
	use for motors	ALL	X	12 moto	rs	all o	ther mo	tors

Mode.3 ("Boost / Timing"):

LED flashes	Remark	#0	#1	#2	#3	#4	#5	#6
Yellow/Red	Boost Timing %	0%	25%	29%	33%	37%	41%	45%
(alternate)	RPM Ramp				slo	w		

Mode.4	(Automatic Bral	(e): all	ows yo	u to se	t a slig	ht brak	ing act	tion wh	en you	r trigg	er is in	neutral range.
LED flashes	#0	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	1
Yellow/Red (same time)	dis- abled		Go					matic br) = max		ing		

Special Features (further explanations)

Lower Motor Temperatures: LRP's engineers succeeded to further improve the commutation algorithm, which results in much lower motor operating temperatures then when other speed-controls are used. Our own extensive testing has shown up to 20°C lower motor temperatures, with same power then before!

Adaptive Brake Response: newly revised brake with sharper response and super-linear feeling! A good starting point for the brake setting on your radio is 80% for all classes. Make sure you do the radio-setup with all settings on the radio on 100%!

Fading Compensation: a special algorithm compensates the feeling that the car may act slightly different with fully charged batteries vs. semi-full batteries. This algorithm takes that into account and compensates for that offset, so the feeling should remain about the same for the entire run.

Changing Mode Settings without the Transmitter: simply disconnect the receiver lead from the receiver and change the MODE settings on the speed-control as described under "Mode Programming".

Works-Default-Settings: All LRP speed-controls come factory-adjusted (defaults are grey-shaded). loose track of the modes, you can restore the works default settings easily. With your radio switched on, hold the SET button pressed while you switch on the speed-control. This returns the unit to our works default settings.

Power Capacitor: Never run without a power-capacitor! It is needed for protection and increases punch, it must be connected to BAT+ and BAT- solderpads with shortest possible wires

C³ Technology (<u>Copper Core Cooling</u>): lowest running temperatures, a special copper core bonds the bottom side fets to the heatsink for even cooling of all fet's which results in higher power towards the end of the run and a lower motorlimit.

Troubleshooting Guide

To eliminate all other possibilities or improper handling, first check all other components in your model and the trouble shooting guide before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist. Always check error by checking LED error code first, this gives you a good indication were to search!

SYMPTOM	CAUSE	REMEDY		
Motor overheats	False settings on Mode's 2 and/or 3	Adjust settings of Mode's 2 + 3		
	Too high mechanical motor timing	Decrease mechanical motor timing		
	Too little motor cooling	Add cooling fan and/or heatsink		
Insufficient performance.	Wrong Gear ratio	Adjust gear ratio		
E.g. poor power, topspeed	False settings on ADPC Dual ^{MAX.2}	Adjust settings under ADPC Dual ^{MAX.2}		
or brake	Transmitter settings changed after set-up	Repeat set-up procedure		
	Power Capacitor damaged	Replace Power Capacitor		
	Motor or sensor-board in motor defective	Replace sensor-board or motor		
	Speed-control defective	Send in product for repair		
Servo is working, no motor	Speedo plugged in incorrectly	Plug speedo to receiver as Ch.2		
function	Multiprotection System activated	Check settings for your application		
	Wiring problem	Check wires and connectors		
	Sensor wire missing/defective	Install/replace sensor wire		
	Motor defective	Replace motor		
	Speedo defective	Send in product for repair		
No servo and no motor	Speedo connected to receiver with wrong polarity	Connect speedo with correct polarity		
function	Wiring problem	Check wires and connectors		
	Battery defective	Replace with different battery pack		
	Crystal, receiver or transmitter defective	Replace components one by one		
	Speedo defective	Send in product for repair		
Motor stutters while	Sensor wire defective	Replace sensor wire		
accelerating	Motor or sensor board in motor defective	Replace sensor board or motor		
	Radio interference	Change location of components		
	Power capacitor damaged	Replace power capacitor		
	Speedo defective	Send in product for repair		
Motor runs in reverse when accelerating forward on radio	Model with reversed gearbox!	Can not use a sensored brushless system!		
Speed-control switches off	Wrong setting in ACS2 (Mode.1)!	Change value of ACS2 (Mode.1) accordingly		
frequently	Model used too often without cool-down periods	Let cool down after every run		
	Motor stronger than motorlimit or input voltage	Use only motors and batteries which are within		
	too high Stuck drivetrain or ball-bearing	the specifications of the speed-control Maintain model		
	Motor defective	Replace motor		
Motor never stops, runs at	Transmitter settings changed after set-up	Repeat set-up procedure		
constant slow speed	Humidity/water in speedo	Immediately unplug and dry speedo		
	Motor or sensor board in motor defective	Replace sensor board or motor		
Radio interference	Receiver or antenna too close to power wires,	See "Installation Tips" and "Installation"		
naulo interference	motor, battery or speedo. Receiver aerial too short or coiled up			
	Receiver defective, too sensitive:	Replace components one by one		
	Transmitter defective, transmitter output power too low, servo problem	Only use original manufacturers crystals		
	Poor battery connection	Check plugs and connecting wires		
	Transmitter batteries empty	Replace / recharge transmitter batteries		

AutoCell System 2 & TwinBEC (Mode.1)

AutoCell System 2: ensures that all batteries can be used safely for all applications, please select the correct according to our table under "Mode Programming". When the battery voltage reaches the selected cut-off ge, the motor function will be disabled and the LED's will indicate that the shutdown has occured due to rvoltage of your batteries (see right side "Multi Protection System 3" for further details). voltage unde Caution: WorksDefault setting is 2S LiPo, so if you use other batteries you need to adjust Mode.1 before first use!

TwinBEC: a true BEC revolution! Constant 6V/3A output with input voltage from 3.0 to 7.4V, no need for a receiver battery or booster circuit even with 1S LiPo due to the integrated buck/boost technology!

There is no point in using a receiver pack in any class with SXX-Series V2. there is no benefit when using one! If you still want to use a receiver pack, connect it to the receiver directly and leave the speed-controls switch in OFF position. Make sure the receiver packs voltage is within your receivers & servo's limitations (the speed-control itself can accept up to 7.4V from receiver pack),.

Dual ADPC^{mod.3} Profiles (Mode.2 & Mode.3)

Allows you to adjust the *SXX-Series V2*'s characteristics to different motor types, classes and personal likes! These two mode's combine LRP's completely revised active motor timing system, where the software calculates the best commutation & timing for "Torque/Feel" and "Boost/RPM".

Please take your time to understand the two modes and their functions, otherwise you will not fully benefit from the latest achievements built into this speed-control. Be aware that Mode,2+3 are something entirely new and not the same as the settings we had on Version1 speedo, so do not try to "transfer" your knowledge from old speedo to new *SXX-Series V2*!

..... **Mode.2** ("Feel / Active Torque Control"): there are two separate groups, which you need to choose from, based on motor type: Within those two groups (1-3 and 4-6) the profiles vary by torque settings which are the perfect tuning option for the power-delivery with TouringCars!

Group A (1 - 3) → for use with X12 & K4 motors, best efficiency & torque with those motors → higher value means faster power-delivery (e.g. 3 will have more torque then 1)

Group B (4 - 6) → for use with all other motors (such as LRP X11, Novak, Tekin, SP, Orion, Epic, GM, Corally, etc) → higher value means faster power-delivery (e.g. 6 will have more torque then 4)

Advise: running X12 motors with profiles 4-6 will result in much higher motor temperatures

Mode.3 ("Boost / Timing"): adjusts the boost timing %, which is applied to the motor based on it's RPM. There are 6 profiles (see chart on left side with details and numbers) and these are spread over useful timing range for 1/10th TouringCar Modified racing.

Higher settings will give you more overall power, especially midrange to topend

Boost Zero Mode

If value #0 is choosen for Mode.2 <u>AND</u> Mode.3 (e.g. factory default!) the blue LED will flash in neutral trigger positi-on to indicate that entire timing advancement is disabled for "true stock racing" as required by certain federations!

USB Software Updateability

IThrough the sensor connector the SXX-Series V2 can be updated to the latest firmware available for download at www.LRP.cc. The optional "USB Bridge - Speedo Firmware Update + PC-Link" (#81800) and a PC are required to do so, please

refer to LRP website and the manual which comes with the interface for exact details how to do software updates to your speed-control.

The same USB-Bridge can be used to update all the latest LRP speed-controls (80905, 80955, 80880, etc). Please check guide at ww.LRP.cc for further details.

Spare- & Optional Parts

LRP offers a comprehensive line of accessories, as well as particular spare- and optional items. Here you find an overview, for a full picture please visit our website at www.lrp.cc:

#82512	Low Profile cooling fan (incl screws)
#82505	Power-Wire Set Brushless 2.6mm ² (red, black, blue, orange, yellow
#82506	Power-Wire Set Brushless 3.3mm ² (red, black, blue, orange, yellow
#81907	3.3mm ² Powerwire black (1.0m)
#81908	3.3mm ² Powerwire blue (1.0m)
#819307	Sensor-Wire "HighFlex" 70mm
#819310	Sensor-Wire "HighFlex" 100mm
#819315	Sensor-Wire "HighFlex" 150mm
#819320	Sensor-Wire "HighFlex" 200mm
#82530	SXX Version 2 Powercapacitor "WorksTeam" 3.7-4.8V
#82531	SXX Version 2 Powercapacitor "WorksTeam" 6.0-7.4V
#81800	USB Bridge - Speedo Firmware Update + PC-Link

Repair Procedures / Limited Warranty

All products from LRP electronic GmbH (hereinafter called "LRP") are manufactured according to the highest qua-lity standards. LRP guarantees this product to be free from defects in materials or workmanship for 90 days (non-european countris only) from the original date of purchase verified by sales receipt. This limited warranty doesn't cover defects, which are a result of misuse, improper maintenance, outside interference or mechanical damage. This applies among other things on:

- Is applies among other things on: Cut off original power plug or not using reverse polarity protected plugs Receiver wire and/or switch wire damaged Mechanical damage of the case Humidity/Water inside the speed control Mechanical damage of electronical components/PCB Soldered on the PCB (except on solderpads) Compacted paped application with cruored polarity"
- Connected speed-control with reversed polarity

To eliminate all other possibilities or improper handling, first check all other components in your model and the trouble shooting guide, if available, before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist.

do operate perfectly, we have to charge a service real activity of the product should be repaired in either case. If With sending in this product, the customer has to advise LRP if the product should be repaired in either case. If there is neither a warranty nor guarantee claim, the inspection of the product and the repairs, if necessary, in either case will be charged with a fee at the customers expense according to our price list. A proof of purchase including date of purchase needs to be included. Otherwise, no warranty can be granted. For quick repair- and return service, add your address and detailed description of the malfunction

If LRP no longer manufactures a returned defective product and we are unable to service it, we shall provide you with a product that has at least the same value from one of the successor series.

The specifications like weight, size and others should be seen as guide values. Due to ongoing technical impro-vements, which are done in the interest of the product, LRP does not take any responsibility for the accuracy of these specs.

LRP-Distributor-Service:

- Package your product carefully and include sales receipt and detailed description of malfunction.
- Send parcel to your national LRP distributor.
- Distributor repairs or exchanges the product.
- Shipment back to you usually by COD (cash on delivery), but this is subject to your national LRP distributor's general policy.



The crossed-out wheeled bin means that within the European Union the product must be taken to seperate collection at the product end-of-life. Do not dispose of these products as unsorted municipal waste.