



Catalog 2023 Ver. 11.22





GENERAL INDEX

Electronic board 230V for sliding gate Electronic board 380V for sliding gate Electronic board 230V for swing gate Universal electronic board Electronic board 230V for tubular & rolling shutters Electronic board 230V for lights control	Page 3 Page 3 Page 3 Page 4 Page 4 Page 4
Remote controls	Page 5
Radio receivers	Page 6
Accessories & safety devices	Page 7
Operators for sliding gate ARGO & ARES	Page 8, 9
Operators for swing gate LB5	Page 10
Operators for swing gate LB7	Page 11
Underground operators for swing gate STONE	Page 12
Road barrier BL306	Page 13
Guide to choosing electronic boards Compatibility Guide for Remotes/Receivers Secret-Key system Far-Storing utility Terms of sale	Page 14 Page 15 Page 16 Page 17 Page 18



Electronic board 230Vac

SLIDING GATE



Box SCT6 included

CTR18 - 230 Vac - sliding gate

Power supply transformer 32VA Closing function just after crossing the photocell Digital adjustment of working times by trimmer Plug-in radio receiver card (optional) Plug-in power regulator card (included)

Suitable card for use in very cold climates



Only the card - receiver included

CTR310SC - 230 Vac - sliding gate

Slow-down function
Digital adjustment of working times
Pedestrian opening
Automatic programming procedure
Closing function just after crossing the photocell
Far-storing function and Secret Key ready
Power regulation by trimmer

SCT4 – Box for control board (optional)

Electronic board 380Vac

SLIDING GATE





Box and Receiver included

AT380/D - 380 Vac - Sliding gate

Management of a 380 Vac three-phase motor Digital adjustment of working times Management of flashing light and courtesy light Far-storing function and Secret Key ready Motor overcurrent protection

Electronic board 230Vac

SWING GATE



Box SCT6 included

CTR17 - 230 Vac - swing gate

Power supply transformer 32VA
Management of electric deadbolt or courtesy light
Digital adjustment of working times by trimmer
Electric lock management
Plug-in radio receiver card (optional)
Plug-in power regulator card (included)

Suitable card for use in very cold climates



Box SCT6 and receiver included

CTR320 - 230 Vac - swing gate

Slow-down function
Digital adjustment of working times
Pedestrian opening
Gate open warning light
Courtesy light management
Far-storing function and Secret Key ready
Power regulation by trimmer

For complete list of electronic cards functions, see page 14



Electronic board Universal



Box SCT6 included

CTR19 - 230 Vac - Universal (Swing gate, Sliding gate,)

Power supply transformer 32VA Management of 2 leaves with 4 limit switches Digital adjustment of working times by trimmer Plug-in radio receiver card (optional) Plug-in power regulator card (included)

Suitable card for use in very cold climates



Box SCT6 and Receiver included Transformer 100VA included

CTR500 – 24 Vdc – Universal (Swing gate, Sliding gate,)

Slow-down function
Digital adjustment of working times

Pedestrian opening Obstacle detection

Management of 2 leaves with 4 limit switches

Far-storing function and Secret Key ready

Closing function just after crossing the photocell

Electric lock management



Box SCT8 and Receiver included Transformer 250VA included

CTR500/STR - 24 Vdc - Universal (Swing gate, Sliding gate,)

Slow-down function

Digital adjustment of working times

Pedestrian opening

Obstacle detection

Management of 2 leaves with 4 limit switches

Far-storing function and Secret Key ready

Closing function just after crossing the photocell

Electric lock management

Electronic board 230Vac

TUBULAR / ROLLING SHUTTER / LIGHTS CONTROL



Box and Receiver included

CTR29 – 230 Vac – Tubular motor

Digital adjustment of working times Separate Open / Close controls

"Dead man" logic selectable

Far-storing function



Box and Receiver included

CTR30 - 230 Vac - Rolling shutter motor

Digital adjustment of working times

Limit switches inputs

Management of flashing light and courtesy light

Photocell input

Plug-in torque adjustment card (optional)

Far-storing function and Secret Key ready



Box and Receiver included

CTR29L - 230 Vac - Lights control

2 Lighting control channels Timed or bistable operation

1 KW power for each channel

Far-storing function



Remote controls 433 MHz

For transmitters / receivers compatibility list, see page 15

Secret Key Ready



SMARTY433 - Rolling code / fixed code / duplicator - 433 MHz

Rolling code - 4.2 million serialized codes

Fixed code - 12 bit standard codes

Duplicator - Can copy up to 80 bit (fixed code only)

Each button can be independently fixed code or rolling code

Can be programmed manually or by means the programmer PS01

4 independent channels

Powered by a long life CR2032 lithium battery



GLADY – Universal multi-frequency remote control

Duplicator of fixed code and rolling-code remotes (see list)

Operating frequency 270 - 900 MHz

4 completely independent channels

Powered by a long life CR2032 lithium battery



RTA2 - Wireless keyboard 433,92 MHz

Operation with fixed code or rolling code (selectable)

Secret Key ready function

Night light and acoustic beep

IP64 protection degree

Powered by a long life CR2032 lithium battery



PBS2 – Wireless rolling code pushbutton panel 433,92 MHz (touchscreen)

4.2 billion serialized codes

Operating frequency 433.92 MHz

2 transmission channels

Powered by a long life CR2032 lithium battery



TRP1 - Rolling Code transponder 433,92 MHz

12Vdc / 24Vac power supply

4 Channels

Equipped with 5 TRC1 keys

IP54 protection degree

TRC1 – Transponder key

Remote controls 868 MHz





SMARTY868 - Rolling code / fixed code - 868 MHz

Rolling code - 4.2 million serialized codes

Fixed code - 12 bit standard codes

Each button can be independently fixed code or rolling code

Can be programmed manually or by means the programmer PS01

4 independent channels

Powered by a long life CR2032 lithium battery

SECRET KEY / PROGRAMMER



PS01 – Programmer for SMARTY / RSK4N (Secret Key System)

Manages and programs a specific RSK4N receiver

Programs the SMARTY remotes

Bluetooth connection to RSK4N receiver

LebManager software for PC included



Radio receivers

FIXED CODE / ROLLING CODE



Secret Key Ready

Plug-in universal receiver

2 Channels (100 total storable codes)

2 Operation modes (monostable and bistable)

Far-storing function and Secret Key ready

Compatible with all Leb remote controls

RWAU2 - 433,92 MHz

RPAU2 - 868.35 MHz



Secret Key Ready

Universal receiver with terminal board

2 Channels (100 total storable codes)

2 Operation modes (monostable and bistable)

Far-storing function and Secret Key ready Compatible with all Leb remote controls

RKAU2 - 433.92 MHz

RPAU2K - 868.35 MHz



Secret Key Ready

Universal outdoor receiver with box and antenna

2 Channels (100 total storable codes)

2 Operation modes (monostable and bistable)

Far-storing function and Secret Key ready

Compatible with all Leb remote controls

RWAU2SA - 433.92 MHz

RPAU2SA - 868.35 MHz







Secret Key Ready

Rolling Code outdoor receiver with box and antenna

4 Channels (1000 total storable codes)

Secret Key ready function

Wiegand interface for access control

Compatible with SMARTY, ROLLY, TRP1, RTA2, PBS2

RSK4N- 433,92 MHz **RPSK4N -** 868.35 MHz

MEM256 - Back-up memory module (included)

BT01 – Bluetooth module for connection to PS01 (optional)



Secret Key Ready

Universal outdoor receiver with box and antenna

4 Channels (1000 total storable codes)

2 Operation modes (monostable and bistable)

Far-storing function and Secret Key ready

Compatible with all Leb remote controls

RKAU4- 433.92 MHz

RPAU4 - 868.35 MHz



Accessories

FTE – Outdoor photocell Range 15 m IP54 protection degree Equipped with focalizing lens Low current consumption Synchronizable if powered with 24Vac
FL1 – Vehicle detector(Photolaser) Maximum range 8 m Equipped with focalizing lenses Adjustable detecting distance 12Vdc / 24Vac power supply
ANSE – Tuned antenna 433,92/868,35 MHz Calibrated antenna Supplied with 4 m of RG58 coaxial cable
LP – Flashing light with Led bulb LP24LED - 24 V LP12LED - 12 V LP230LED - 230 Vac
LMB1 – Flashing light with Led bulb and built-in antenna LMB1/24LED - 24 V LMB1/12LED - 12 V LMB1/230LED - 230 Vac
CLE – Aluminium column for photocell CLE5 Heigth 50 cm CLE10 Heigth 100 cm *** Unit price (sold in packs of 2 units)
LMP20WB – Solar panel kit 12-24 Vdc (selectable voltage) Battery charge current control (battery protection) 20W power Equipped with fixing brackets Output with stabilized voltage (direct connection to battery)
SELE2 – Outdoor key switch Aluminium frame Equipped with 2 keys (European standard) Double switch (5A capacity load)
BSK1 – Electric Lock with built-in receiver 433,92 MHz Built-in receiver Equipped with 2 remote controls Far Storing function
REG – Power regulator card Motor torque regulation card for CTR17, CTR18, CTR19, CTR30



ARGO operator SLIDING GATE



ARG0230 - Irreversible operator for sliding gate

- · Foundation plate supplied
- Electronic limit switches
- Equipped with stainless steel screws
- · Capacity 1000 Kg



MTA3 – KIT for sliding gate up to 1000 kg weight

- Operator ARGO230
- Electronic board CTR310SC
- 2 Remote controls SMARTY



KAS3 – KIT for sliding gate up to 1000 kg weight

- Operator ARGO230
- Electronic board CTR310SC
- 2 Remote controls SMARTY
- Photocell FTE
- Antenna ANSE
- Flashing light LP230LED

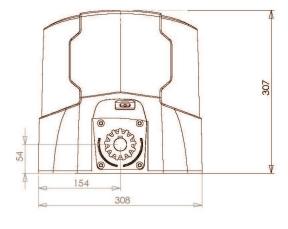
Foundation plate for operators ARGO - ARES (included)

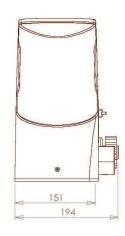
- Thickness mm 4
- Made of galvanized steel

1 m Rack (optional)

- Nylon rack module 4
- Steel core 10x10 mm
- 6 connections per meter
- For sliding gate up to 1000 Kg weight
- Equipped with screws and accessories

TECHNICAL FEATURES	ARGO230		
Max. sliding door weight	1000 Kg		
Electric motor power supply	230Vac - 50Hz		
Absorbed current	1,2 A		
Electric motor capacitor	12 uF		
Thermal protection	120 °C		
Electric motor speed	1400 rpm.		
Sliding door speed	10 m/min.		
Max. operator torque	55 Nm		
Rack module	4		
Operating temperature	-20 / +60 °C		
Protection degree	IP44		
Duty cycle	30 %		
Type of limit switches	Electronic		
Operator weight	9,5 Kg		







ARES operators

SLIDING GATE



ARES500 / ARES1000 - Irreversible operator for sliding gate

- Brushless motor
- Built-in Encoder
- Suitable for intensive use
- Equipped with foundation plate
- Electronic limit switches
- · Equipped with stainless steel screws





MTA4 – KIT for sliding gate up to 1000 kg weight

- Operator ARES1000
- Electronic board CTR640SC
- Toroidal transformer TRF6
- 2 Remote controls SMARTY



- Operator ARES500
- Electronic board CTR640SC
- Toroidal transformer TRF6
- 2 Remote controls SMARTY



KAS4 – KIT for sliding gate up to 1000 kg weight

- Operator ARES1000
- Electronic board CTR640SC
- Toroidal transformer TRF6
- 2 Remote controls SMARTY
- Photocell FTE
- Antenna ANSE
- Flashing light LP12LED

KAS5 - KIT for sliding gate up to 500 kg weight

- Operator ARES500
- Electronic board CTR640SC
- Toroidal transformer TRF6
- 2 Remote controls SMARTY
- Photocell FTE
- Antenna ANSE
- Flashing light LP12LED

TECHNICAL FEATURES		ARES1000	ARES500
Max. sliding door weight	Kg	1000	500
Absorbed current	Α	4	3
Max. operator torque	Nm	55	36
Rack module	М	4	4
Operating temperature	°C	-20 / +60	-20 / +60
Protection degree	IP	44	44
Duty cycle	%	100	100
Type of limit switches	/	Electronic	Electronic
Operator weight	Kg	9	9



CTR640SC - Electronic hoard for ARES Only the card - Receiver included

- Slowing down function
- Digital adjustment of working times by Encoder
- Pedestrian opening
- Automatic programming procedure
- Closing function just after crossing the photocell
- Far Storing function
- Obstacle detection



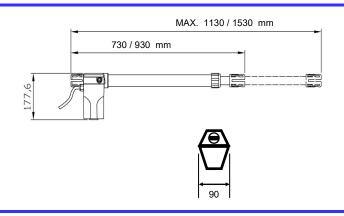
LB5 operator SWING GATE



LB5 - Irreversible operator for swing gate

Gearing made of hardened steel and bronze Stainless steel rod and powder coated aluminum frame Unlocking system with safety key Equipped with No-welding front and rear brackets

TECHNICAL DATA	LB5-1-230	LB5-2-230
Operator power supply	230Vac	: - 50Hz
Absorbed power	320)VA
Rod speed	1,6 cr	n/sec.
Electric motor speed	1400) rpm
Thrust	220	00N
Max. rod stroke	400mm	600mm
Protection degree	IP44	IP44
Operating temperature	da -20 a	a +60°C
Duty cycle	30)%
Operator weight	6,0 Kg	6,5 Kg





KLB5 - Kit for swing gate

2 Operators **LB5**Electronic board **CTR320**2 Remote controls **SMARTY**Photocell **FTE**Antenna **ANSE**Flashing light **LP230LED**

KLB5-1 – Kit for leaves up to <u>2.5 m</u> length

KLB5-2 - Kit for leaves up to 4 m length



LB7 operator

SWING GATE



LB7 - Irreversible operator for swing gate

Die-cast aluminium frame, powder-coated Gearing made of hardened steel and bronze Unlocking system by protected key Built-in capacitor 2 pre-assembled mechanical stroke-ends Equipped with front and rear brackets

Technical data	LB7-24	LB7-230
Electric motor power supply	24Vdc	230 Vac - 50 Hz
Nominal absorbed current	5A	1,2A
Stroke of traction pivot	300 mm	300 mm
Speed of traction pivot	18 mm/sec.	16 mm/sec.
Thrust	2500 N	2000 N
Protection degree	IP44	IP44
Motor capacitor (internal)	1	10uF
Operating temperature	from -20 to +50°C	from -20 to +50°C
Working cycle	50%	70%
Dimensions	1095*115*110mm	1095*115*110 mm
Weight	12 Kg	12,5Kg



KLB7 - 230 Kit for swing gate

2 Operators **LB7-230**Electronic board **CTR320**2 Remote controls **SMARTY**Photocell **FTE**Antenna **ANSE**Flashing light **LP230LED**



KLB7 - 24 Kit for swing gate

2 Operators **LB7-24**Electronic board **CTR500/STR**2 Remote controls **SMARTY**Photocell **FTE**Antenna **ANSE**Flashing light **LP24LED**



STONE operator SWING GATE



STONE - Irreversible underground operator

Foundation box made of <u>STAINLESS STEEL</u> Drive-over lid Gearing made of steel and bronze Unlocking system with broached lever Foundation box with drainage holes





STONE230 - Gearmotor 230Vac



CAINT/110IN - Foundation box for 110° opening

Transmission system for 110° opening Transmission by means levers



CAINT/180IN - Foundation box for 110° opening

Transmission system for 180° opening Transmission by means chain



KUO - Kit for swing gate

2 Gearmotors STONE230
2 foundation boxes CAINT
Electronic board CTR320
2 Remote controls SMARTY
Photocell FTE
Antenna ANSE
Flashing light LP230LED

KUO5IN – Kit for 110° opening KUO6IN – Kit per 180° opening

TECHNICAL FEATURES	STONE230		
Max. leaf length	2 m		
Electric motor power supply	230 Vac		
Absorbed current	1,2 A		
Max. operator torque 300 Nm			
Operating temperature	-20 / +60 °C		
Protection degree	IP67		
Duty cycle	30%		
Operator weight	15 Kg		



BL306 ROAD BARRIER



Electromechanical road barrier 24 Vdc

Equipped with telescopic bar (2 - 4 m) Opening time 3 sec. Powder coated galvanized steel frame Equipped with electronic board Equipped with electric limit switches Gearing made of steel Simple unlocking system

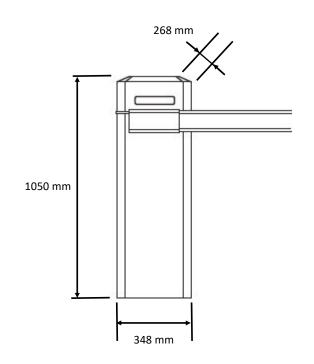


Only the board

CTR500SB/SC - 24Vdc - Road barrier

- Soft-stop function
- Separate Open/Close controls
- Far Storing function
- Electromagnet management
- Automatic programming procedure
- Obstacle detection

TECHNICAL FEATURES		BL306
Boom length	т	2.5 - 4
Boom opening time	Sec.	3
Duty cycle	%	70
Main power supply	Vac	230V - 50Hz
Electric motor power supply	Vdc	24 V
Electric motor power	W	80
Max. torque	Nm	280
Operating temperature	°C	-20 / +50
Protection degree	IP	44
Dimensions	mm	348*268*1050
Operator weight	kg	60





Comparative table of control panel functions

Available functions / Card models	CTR18	CTR310	CTR17	CTR320	CTR19	CTR640	CTR500	CTR29	CTR30	AT380/D
Section 19	Buibil2	Buibil2	gniw2	guiw2	Universal	Buibil2	lszrevinU	Tubular	Rolling shutter	gnibil2
Motor/s power supply	230 Vac	24 Vdc	12/24 V	230 Vac	230 Vac	380 Vac				
Control of 1 or 2 motors	9	0	2	3	7	0	7	0	0	0
Built-in receiver		•		•		•	•	•	•	•
Possibility to close the receiver only to rolling code		•		•		•	•	•	•	•
"Far storing" function		•		•		•	•	•	•	•
Automatic programming		•				•				
Possibility to operate with single leaf			•	•	•		•			
Possibility to erase the delay between the leaves			•	•	•		•			
Limit-switches control	•	•			• (4)	•	• (4)		•	•
Obstacle detector		•				•	•			
Slow-down function		•		•		•	•			
Pedestrian start command		•	•	•	•	•	•			
Separated inputs for Open and Close commands								•		
Stop input (emergency)	•	•	•	•	•	•	•	•	•	•
"Step-by-Step" operation mode	•	•	•	•	•	•	•	•	•	•
"Deadman" operation mode								•		
"Condominium" operation mode	•	•	•	•	•	•	•		•	•
Automatic closing function	•	•	•	•	•	•	•		•	•
Closure after crossing the photocell	•	•		•		•	•			
Torque regulator	•	•	•	•	•				•	
Fotostop function	•	•	•	•	•	•	•			
Safety rib input (also analog)		•				•	•			
Electric lock control	•	•	•	•	•		•			
Kickback function for electric lock			•	•	•		•			
Blinker control	•	•	•	•	•	•	•		•	•
Courtesy light	•	•	•	•					•	•
Open-gate lamp				•			•			
Built-in battery charger						•	•			



Comparative table Remote controls / Receivers

electronics				100 storable codes	100 storable codes	1000 storable codes	1000 storable codes
ARTICLE	FEATURES	433,92 MHz	VERSION	ON BOARD RECEIVERS	RKAU2, RWAU2, RWAU2SA	RK4U4	RSK4N
SMARTY	it's also a fixed code	43	Rolling Code (default)	ОК	ОК	ОК	ОК
	remotes duplicator	Fixed Code (to be selected)	ОК	ОК	ОК	NO	
GLADY	it's a fixed code and rolling-code remotes duplicator (see list)	Rolling Code	ОК	ОК	ОК	ОК	
		Fixed Code	ОК	ОК	OK	ОК	
RTA2	Wireless	Rolling Code (default)	ОК	ОК	ОК	ОК	
1104		Fixed Code (To be selected)	ОК	ОК	ОК	NO	
TRP1	To be powered		Rolling Code	ОК	ОК	ОК	ОК
PBS2	Touchscreen		Rolling Code	ОК	ОК	ОК	ОК



SECRET KEY System



SMARTY, not only it is a fixed code copier, but it can be used in the **Secret Key System**.



RSK4N
Classic receiver for rolling code, it can operate also in the Secret Key System.



PS01 + Software Leb Manager Inductive programmer for **SMARTY** remotes, to be used together with Windows based SW LebManager.

What is Secret Key System of Leb electronics?

It is a Transmitter / Receiver system that allows to delete, insert, change any remote control stored into a specific receiver RSK4N (433,92 MHz), **but only if authorized**. ANY OPERATION CAN BE CARRIED OUT FAR FROM INSTALLATION. It is based on rolling code transmission. Moreover, with a PC and the dedicated SW LebManager, it can store and manage codes and names directly to the receiver through Bluetooth protocol. Database can be stored on a backup memory card or on PC.

How does Secret Key System work?

Any radio transmitter SMARTY contains an <u>electronic circuit programmable by PS01</u>, able to turn its transmission into "**Secret Key**" standard. Beside normal use, the remote can transmit instructions to the specific receiver in order to modify previously stored codes or enter a new one.

How many parts Secret Key System consist of?

It is a user-friendly and very easy system. It consists of:

Receiver RSK4N (433,92 MHz)

Remote control SMARTY433 (433,92 MHz)

Programmer PS01 + Windows based SW LebManager

What are the advantages of using Secret Key System?

The system is very useful when in need of controlling a large number of remotes, codes and receivers on same installation. The installer can count on a database of codes and only himself has privileges for **storing and modifying codes in the receiver**. New radio transmitters can be stored, removed or changed without being on Installation site. Receivers, once installed, do not need to be manually operated, being possible to communicate through Bluetooth.



FAR STORING System



What is "Far Storing" feature?

It is a special feature that makes possible to store new Leb rolling code remotes <u>without manually operating on</u> <u>the receiver</u>.

Why is it so important?

Because if the receiver of your installation is working only in rolling code mode, rolling remotes cannot be cloned. In case you need to add new remotes, you must manually operate on the receiver. With Far Storing feature, instead, you can add new remotes just by operating on push buttons of a new remote to be stored, together with a remote already stored.

What do I need in order to get Far Storing feature work?

When your installation is working with any of CTR500, CTR310, CTR320, CTR29, CTR30, CTR640 control boards, or RWAU2SA, RKAU2 RWAU2 receivers and SMARTY remotes (in rolling code mode), you can use Far Storing function.

Is the procedure difficult to do?

No, it is very simple, only a couple of pushes. <u>Just make sure to be within working range of receiver while storing new remotes into installation.</u>



GENERAL SALES CONDITIONS

ARTICLE 1 WARRANTY

1.1. With exception of what expressly agreed each time between the parts, Leb electronics guarantees the conformity of the supplied products and anything else explicitly agreed. Warranty due to product defects is limited only to materials or manufacturing defects that can be referred to Leb electronics.

The warranty does not apply in case of:

- Malfunctions or damages related to transport;
- Malfunctions or damages caused by anomalies of the electric mains or any incorrect use of the product;
- Tampering or damages caused by unauthorized personnel and/or due to use of non-original Leb electronics articles and/or spare parts;
- Defects and/or damages caused by chemical agents and/or atmospheric phenomena;
- Malfunctions due to lack of maintenance;
- Replacement of parts that are subjected to usage wearing, as lamps, batteries, etc.;
- Products without the Barcode label;
- Use of non-original Leb electronics accessory.
- **1.2.** Warranty has a validity of 24 months beginning from the start-up date, when a suitable evidence of that is available, or from the production date reported on the Barcode label.

The warranty is subjected to an expressly written request to Leb electronics. No return of goods or debit notes will be accepted if not previously authorized by Leb electronics. After authorization, once the goods have been returned, Leb electronics, at its own will, can operate in the following ways:

- Supply the buyer with free of charge and ex-works products of the same quality and type of the faulty or non-standard ones. Leb electronics can also ask the buyer to send back the faulty goods at its own expenses; these goods will become Leb electronics' property;
- Repair at its own expenses the faulty products, or modify non-standard products in the factory of manufacturer. In this case, all transport costs will be at the buyer's expenses;
- **1.3**. The warranty, as per this article, replaces all legal warranties due to defects and differences and excludes any other Leb electronics liabilities that could be originated by the supplied products;

The Buyer will not be able to claim any other further requests.

Leb electronics shall not be responsible for any further claims once the warranty period has expired.

ARTICLE 2 CLAIMS

2.1. Claims regarding quantity, weight, gross weight and colour, or claims regarding faults and defects in quality compliance which the Buyer could discover on delivery of the goods, shall be submitted by the Buyer within 7 days from the delivery, under penalty of nullity of the warranty.

ARTICLE 3 DELIVERY

3.1. Any liability from damages ensuing from total or partial delayed or failed delivery shall be excluded.

ARTICLE 4 PAYMENT

- **4.1.** Any delayed or irregular payment shall entitle Leb electronics to cancel any ongoing agreement, including arrangements not related to the current issue, as well as entitling Leb electronics to claim damages, if any.
- **4.2.** Leb electronics shall however have the right to claim overdue interests at bank rate in Italy increased by 5 points. In case of failed payment Leb electronics shall have the right to cancel all warranties on goods, regarding the Customer as insolvent.
- **4.3**. The Buyer shall be bound to full payment, even when claims or disputes are under way.

All data have been prepared and checked. Leb electronics assumes no responsibility for any errors or omissions.

Leb electronics can at its discretion change at any time the characteristics and prices of products on sale.

The prices shown are excluding VAT.

The minimum amount that can be ordered is \in 500.00. Below this amount Leb electronics reserves the right not to accept the order.

