

ECHTPower LT01012-NG-US01

ECHTPower Solar Lights Outdoor User Manual

Model: LT01012-NG-US01

INTRODUCTION

Thank you for choosing the ECHTPower Solar Lights Outdoor. This product is designed to provide efficient and reliable outdoor lighting with advanced features such as a motion sensor, multiple lighting modes, and remote control. Its robust IP65 waterproof design ensures durability in various weather conditions. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your solar light.

The warm white light offers a soft and gentle illumination, creating a comfortable and relaxing ambiance for your outdoor spaces.

PACKAGE CONTENTS

Please verify that all components are present in the package:

- 1 x ECHTPower Solar Light (60 LED)
- 1 x Remote Control Unit
- 2 x Expansion Pillar-hinge
- 2 x Installing Screws
- 1 x User Manual (this document)

KEY FEATURES

- **60 Super Bright LEDs:** Emits over 1300 lumens, providing illumination for areas up to 540-860 square feet.
- **High-Efficiency Solar Panel:** Absorbs sunlight to charge the built-in 3.2V, 5000mAh LFP battery, ensuring long-lasting operation.
- **PIR Motion Sensor:** Detects movement within 16-33 feet (5-10 meters) and a 120-degree wide angle.
- **5 Lighting Modes:** Easily switch between modes using the included remote control for various lighting needs.
- **IP65 Waterproof & Heatproof:** Designed to withstand harsh weather conditions, ensuring reliable outdoor performance.

- **Wireless Control:** Conveniently adjust settings with the remote control.

SETUP AND INSTALLATION

Proper placement is crucial for the optimal performance of your solar light. Ensure the solar panel receives maximum direct sunlight throughout the day.

1. **Choose a Location:** Select an outdoor location that receives at least 6-8 hours of direct sunlight daily. Avoid areas under eaves, trees, or other obstructions that might block sunlight from reaching the solar panel. Ideal locations include front doors, yards, garages, decks, and porches.
2. **Mark Drilling Points:** Hold the solar light against the desired mounting surface (wall, fence, etc.) and mark the positions for the two screw holes.
3. **Drill Holes:** Use an appropriate drill bit to drill holes at the marked positions.
4. **Insert Expansion Pillar-hinges:** Insert the provided expansion pillar-hinges into the drilled holes.
5. **Mount the Light:** Align the solar light's mounting holes with the pillar-hinges and secure it firmly using the provided installing screws.



Image: ECHTPower Solar Light with its remote control, illustrating the product's design and components.



Image: Examples of the ECHTPower Solar Light installed in different outdoor environments, including a house facade, garage, and garden area, demonstrating its versatility.

OPERATING INSTRUCTIONS

The ECHTPower Solar Light features 5 distinct lighting modes, controllable via the included remote. Ensure the remote control is pointed towards the light for effective communication. The remote control has a range of 5-7 meters (16-23 feet) and a 120-degree angle.



5 LIGHTING MODES

Greatly improve your life with more convenience!

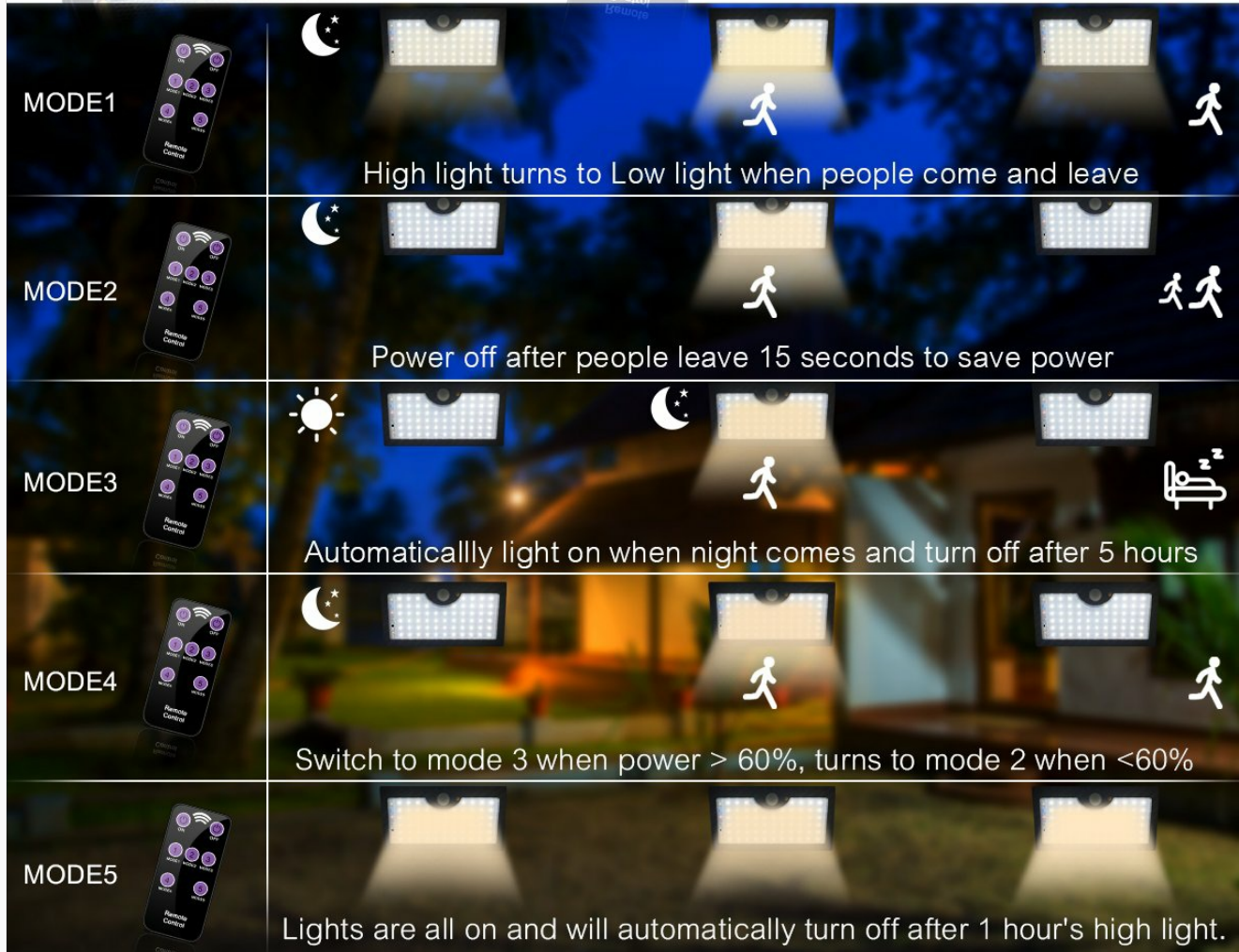


Image: Visual representation of the 5 distinct lighting modes, showing how the light behaves in different scenarios and settings.



Remote Control Range:120°
Remote Control Distance:5-7m



Image: Diagram illustrating the effective range and angle of the remote control for the solar light, showing typical usage scenarios.

Lighting Modes:

- **MODE 1 (Motion Sensor + Low Light):** The light stays on at a low brightness. When motion is detected, it switches to full brightness. After motion ceases, it returns to low brightness.
- **MODE 2 (Motion Sensor - Power Saving):** The light remains off. When motion is detected, it turns on at full brightness. After approximately 15 seconds of no motion, the light turns off completely to conserve power.
- **MODE 3 (Always Lighting):** The light automatically turns on at night and stays on at a constant brightness for approximately 5 hours, then switches off.
- **MODE 4 (Automatic Mode):** The light operates in Mode 3 when the battery power is above 60%. If the battery power drops below 60%, it automatically switches to Mode 2 to conserve energy.
- **MODE 5 (Emergency Light Mode):** The light turns on at full brightness and stays on for 1 hour, then automatically turns off. This mode is useful for temporary, continuous illumination.

Remote Control Functions:

- **ON/OFF:** Turns the light on or off manually.

- **MODE 1-5 Buttons:** Selects the desired lighting mode.



Image: Illustration of the PIR motion sensor's detection range and angle, showing its effectiveness in detecting movement in front of the light.

MAINTENANCE

To ensure the longevity and optimal performance of your ECHTPower Solar Light, follow these simple maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Inspect for Damage:** Periodically check the light for any physical damage, loose screws, or signs of wear.
- **Battery Care:** The built-in LFP battery is designed for long life. Avoid prolonged periods of storage without charging. If storing for an extended time, ensure the battery is partially charged.
- **Waterproof Design:** The IP65 rating means the light is protected against dust and low-pressure water jets. While it is designed to be waterproof, avoid submerging it in water.

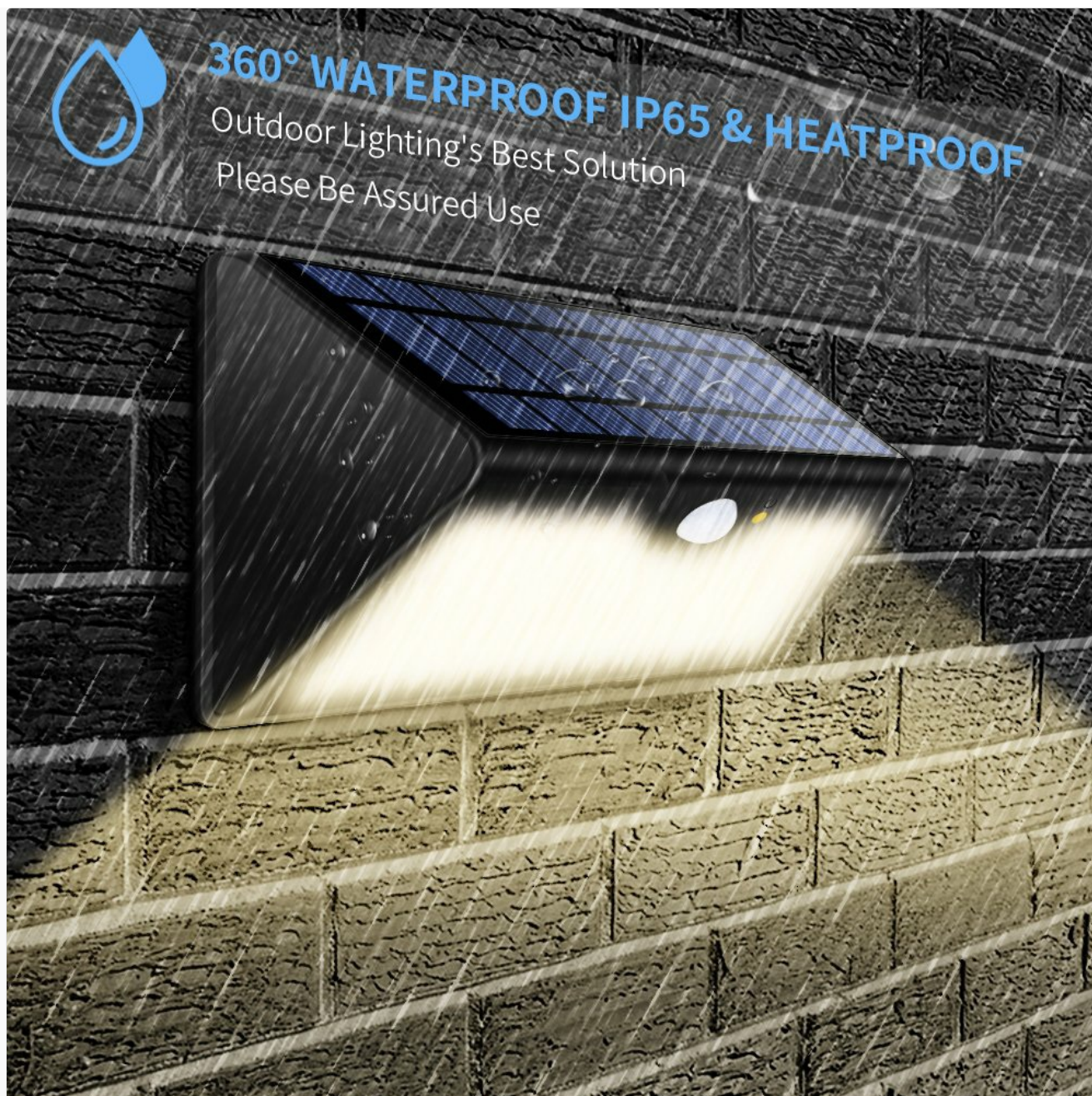


Image: Depiction of the solar light's IP65 waterproof and heatproof capabilities, showing it enduring rain, highlighting its durability for outdoor use.

TROUBLESHOOTING

If you encounter issues with your ECHTPower Solar Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight exposure; Battery not charged; Light is in OFF mode.	Ensure the solar panel receives 6-8 hours of direct sunlight daily. Clean the solar panel. Use the remote to turn the light ON or select a mode.
Light is dim or only stays on for a short period.	Insufficient charging; Battery degradation over time.	Relocate the light to an area with more direct sunlight. Ensure the solar panel is clean.

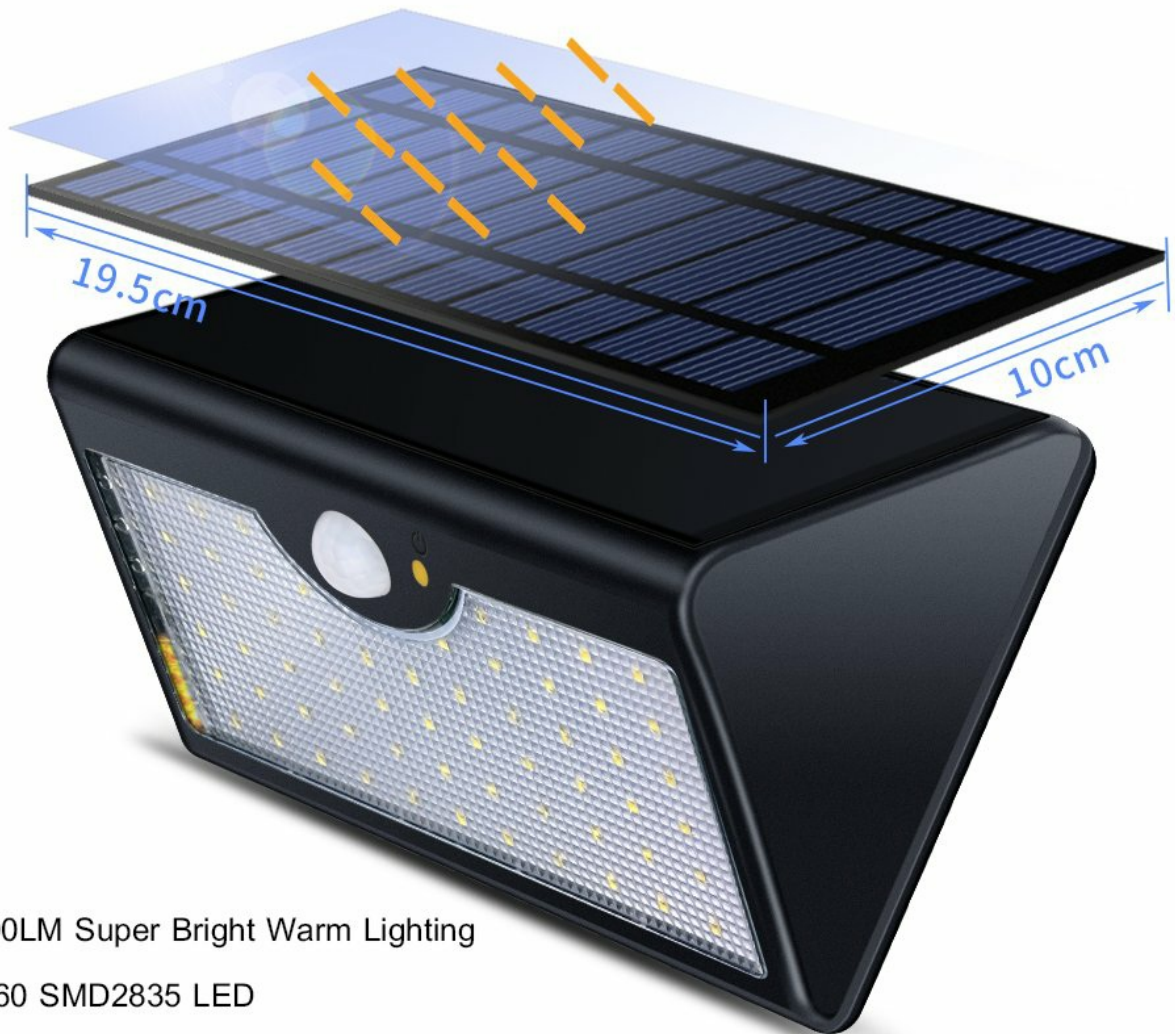
Problem	Possible Cause	Solution
Motion sensor not detecting movement.	Sensor obstructed; Incorrect mode selected; Sensor range issues.	Ensure the sensor lens is clean and unobstructed. Verify the light is in Mode 1 or Mode 2. Check the installation height and angle.
Remote control not working.	Remote battery low/dead; Obstruction between remote and light; Remote out of range.	Replace the remote control battery. Ensure a clear line of sight to the light. Operate the remote within 5-7 meters of the light.

SPECIFICATIONS

Detailed technical specifications for the ECHTPower Solar Light:

Attribute	Value
Brand	ECHTPower
Model Number	LT01012-NG-US01
Light Source Type	LED (60 LEDs)
Luminous Flux	1300 Lumen
Light Color	Warm White
Power Source	Solar Powered
Battery Type	LFP (Lithium Iron Phosphate)
Battery Capacity	5000mAh
Voltage	3.2 Volts
Wattage	10 Watts
Motion Sensor Range	16-33 feet (5-10 meters)
Motion Sensor Angle	120 degrees
Waterproof Rating	IP65
Material	Acrylonitrile Butadiene Styrene, Polycarbonate
Item Weight	680 g
Dimensions (LxWxH)	21.3 x 13.5 x 10.4 Centimeters (approx. 8.4 x 5.3 x 4.1 Inches)

 **18.2%**  **High Solar Transfer Efficiency up to 18.2%**



- 1300LM Super Bright Warm Lighting
by 60 SMD2835 LED
- Ensure Wider Lighting Rmge up to 540-860 sq.ft

Image: Diagram highlighting the high solar transfer efficiency of the panel (up to 18.2%) and the brightness of the 60 SMD2835 LEDs (1300LM), along with product dimensions.

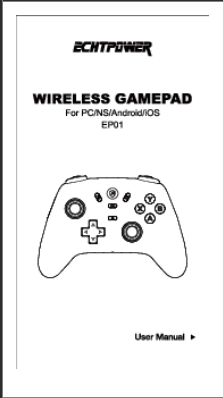
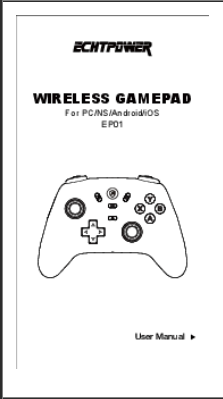
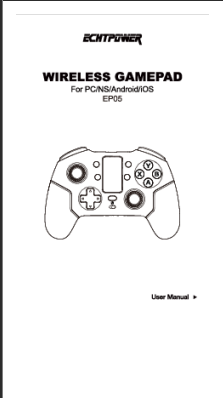
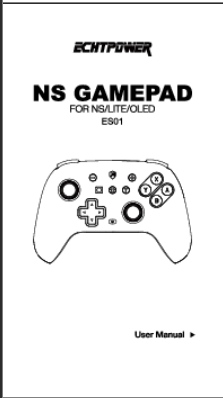
WARRANTY AND SUPPORT

ECHTPower stands behind the quality of its products. Your ECHTPower Solar Light comes with the following warranty and support:

- **3 Months Refund Policy:** If you are not satisfied with your purchase, you may be eligible for a refund within 3 months from the date of purchase.
- **24 Months Free Replacement:** We offer a 24-month free replacement service for any manufacturing defects or functional issues that arise under normal use.

For any inquiries, technical assistance, or warranty claims, please contact ECHTPower customer support through your purchase platform or the official ECHTPower website.

Related Documents - LT01012-NG-US01

	<p>Echtpower EP01 Wireless Gamepad User Manual</p> <p>Comprehensive user manual for the Echtpower EP01 Wireless Gamepad, detailing setup, compatibility, features, and warnings for PC, Nintendo Switch, Android, and iOS devices.</p>
	<p>ECHTPower EP01 Wireless Gamepad User Manual - PC, Switch, Android, iOS</p> <p>Comprehensive user manual for the ECHTPower EP01 Wireless Gamepad. Learn how to connect and use your gamepad with PC, Nintendo Switch, Android, and iOS devices, including features like Turbo and custom lighting.</p>
	<p>Echtpower EP05 Wireless Gamepad User Manual</p> <p>User manual for the Echtpower EP05 Wireless Gamepad, detailing setup, connection, and features for PC, Nintendo Switch, Android, and iOS devices.</p>
	<p>ECHTPower Wireless Controller for NS/LITE/OLED - User Manual</p> <p>Official user manual for the ECHTPower Wireless Controller, compatible with Nintendo Switch, Lite, and OLED. Includes setup instructions, features, specifications, and safety information.</p>
	<p>Echtpower ES01 NS Gamepad User Manual</p> <p>User manual for the Echtpower ES01 NS Gamepad, compatible with Nintendo Switch, PC, Android, and iOS. Includes setup, features, and troubleshooting.</p>

<div><div>CONTENUTO DELLA CONFEZIONE</div><div>Controller*, Cavo di Ricarica*, Manuale d'Uso*</div></div> <div><div>COMPATIBILITÀ</div><div>Per NS/PC/Android/iOS</div><div></div><div><div>SPECIFICHE:</div><div>Parametri di ingresso: 5VDC, 0.5A Corrente di lavoro: 1000mA Ricaricatore: 5-6h Tempo di ricarica: circa 2-3 ore Distanza di trasmissione: <10m Capacità della batteria: 1000mAh</div></div></div>	<div>Manuale Utente e Specifiche ECHTPOWER NS GAMEPAD SP06</div> <div>Manuale utente dettagliato per ECHTPOWER NS GAMEPAD SP06, che copre contenuto della confezione, compatibilità, specifiche, metodi di connessione per vari dispositivi (NS/Lite, PC, Android, iOS), funzione turbo, impostazioni di vibrazione, mappatura dei pulsanti, macro e precauzioni.</div>
--	---