

User's Guide for
Forever Flashlight™**
10-in-1 Lantern

EXCALIBUR

ELECTRONICS, INC.



www.ExcaliburElectronics.com

Model No. H691

Congratulations on your purchase of the Forever Flashlight 10-in-1 Lantern from Excalibur Electronics, Inc. Your Forever Flashlight 10-in-1 Lantern is the perfect accessory for your next outdoor adventure and it will never let you down. At home, in the car, in your camper or boat or storm emergency kit, the Forever Flashlight 10-in-1 Lantern is always ready, even if you have not used or checked it for years!

Your Forever Flashlight 10-in-1 Lantern is easy to use, but be sure to use it safely. Before starting, please read this manual thoroughly, paying close attention to safety and care. Keep this manual for reference.

This package includes one Forever Flashlight 10-in-1 Lantern and its user's guide.



The legendary King Arthur brandished a magic sword, Excalibur, from which we take our company name. With this unique weapon in his hands, he could not be vanquished.

Although Excalibur Electronics can't claim the magical secrets of Merlin, King Arthur's court wizard, sometimes our patented technology may make it seem as if we could.

We make you think.

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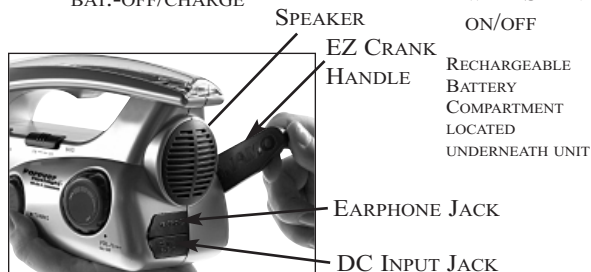
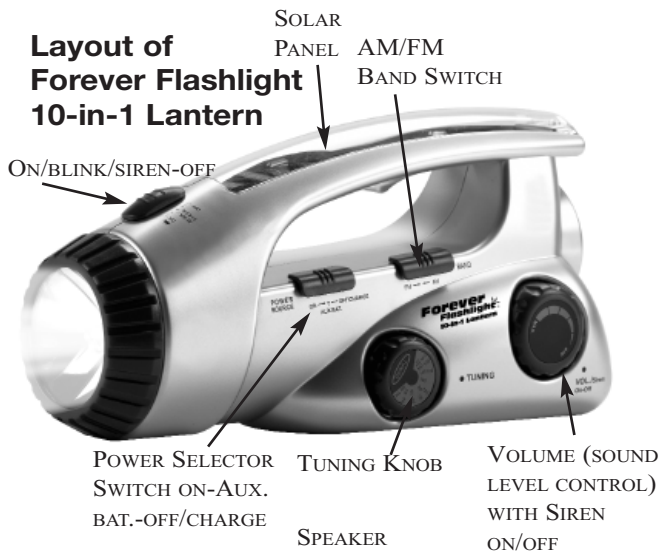
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Installing Batteries

Your Forever Flashlight 10-in-1 Lantern requires 3 C batteries (not included). To install batteries, carefully turn it over so that the Forever Flashlight 10-in-1 Lantern is laying its side on a soft surface, such as a towel or magazine. You'll find the battery compartment on the unit's bottom side.

Use a coin or screwdriver to release and open the lid of the battery compartment. Install 3 C batteries, making sure to match the polarity (+ and -) with the diagram inside the battery compartment. Replace the lid until it snaps into place and tighten the screw to secure.

Layout of Forever Flashlight 10-in-1 Lantern



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Functions of Buttons

FLASHLIGHT/LANTERN:

In a dark place or whenever you may need light, slide the **ON/OFF** switch to the **ON** position. To turn the lantern **OFF**, slide to the **OFF** position.

CRANK HANDLE: Turn clockwise to generate power. For steps in charging your unit, see page 8.

VOLUME/ON/OFF/SIREN:

Turn clockwise to turn the radio on and to increase the **VOLUME**. Turn counter-clockwise to decrease the **VOLUME** and to turn the radio **OFF**.

The Forever Flashlight 10-in-1 Lantern is also equipped with an emergency apparatus.

Slide the **ON/BLINKER/SIREN/OFF** switch to **SIREN** position—the **SIREN** will begin to sound. Follow by turning the **VOLUME** switch clockwise to activate the **SIREN** function. You can adjust the volume by turning your **VOLUME** knob clockwise for a louder **VOLUME** and counter-clockwise for a softer **VOLUME**.

In an emergency situation, slide the switch to **SIREN BLINKER** position—and both the **BLINKER** will blink and the emergency **SIREN** will sound. You can also turn the **VOLUME** switch clockwise to activate the **SIREN BLINKER**.

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TUNING: Turn until you find your desired radio station.

POWER SELECTION SWITCH: This is the **POWER SELECTION** mode for your three options to charge this unit.

Use the **AUX. BAT.** switch to run on regular batteries. Switch over to **ON** and you can access the built-in batteries. See page 8 for more information on charging the Forever Flashlight 10-in-1 Lantern.

SOLAR PANEL: The Forever Flashlight 10-in-1 Lantern can easily be charging by using the handy **SOLAR PANEL**. For more information, see

page 10.

6V DC INPUT JACK: Connects to an **AC/DC ADAPTER** (not included).

LOUD SPEAKER: This is the speaker for the emergency siren and radio.

BATTERY COMPARTMENT: is located at the bottom of the unit. See page 17 for more information.

RECHARGEABLE BATTERY AND SPARE BULB COMPARTMENT: See page 10 for more information on replacing the rechargeable batteries.

LIGHT OPTIONS: The Forever Flashlight 10-in-1 Lantern has two light options. Underneath the flashlight cover are two

different types of bulbs to use. You will find this handy unit can lighten

your path with the LED light or switch over to a regular “krypton” bulb.

Features

Our All Forever Flashlight 10-in-1 Lantern combines an LED and regular flashlight with a radio, an emergency unit and charging capability all into one handy unit.

- This model does not need an external power source. Instead it can be recharged by spinning the built-in generator to recharge the internal battery for optimum charging.
- Super-bright LED visible for over a mile.
- Additional regular white light option available.
- AM/FM radio.
- Loud siren and bright red blinking light for emergency situations.
- Convenient and compact for easy portable carrying.
- Built-in FM telescopic antenna for better reception.
- Solar Panel for charging the unit.
- AC/DC input jack to utilize.
- Flashlight can be pulled out and placed vertically to be used as a camping lantern.
- Battery back-up (3 C batteries, not included).
- Headphones jack.
- Low battery indicator.

How to Use

Charging your Forever Flashlight 10-in-1 Lantern

Your Forever Flashlight 10-in-1 Lantern includes three great options to charge your unit. For directions on these options see below:

Charging your unit using your built-in rechargeable batteries.

It is charged by winding the handle on the unit. For best results, follow these steps in charging:

1. Turn the unit off.
2. Turn your **POWER SWITCH** knob to **ON**.

3. Pull out the **CRANK HANDLE**, located on the side of the unit.

4. Hold the unit parallel to the ground and wind the handle three to five minutes (*Figure 1*). Rotate the handle at a speed of approximately 120 rounds per minute. It is recommended to charge your Forever Flashlight 10-in-1 Lantern for three to five minutes before first use or after long periods of non-use.

NOTES:

- While winding the handle of the Forever Flashlight 10-in-1 Lantern, a green indicator light will be on. This will signify that the charging is in the process. If both indicator

Figure 1: The Forever Flashlight 10-in-1 Lantern is charged by winding the handle on the unit.



lights are on (*red and green*) this indicates that you are using the crank handle at a high enough speed to charge. This will indicate the voltage is increasing steadily.

- Your Forever Flashlight 10-in-1 Lantern will provide you with up to thirty minutes of radio (*volume at 1/3 the capacity*) when charged by winding the **CRANK HANDLE** for two to three minutes. The **BLINKER**

and **SIREN** will work for approximately ten minutes.

If the Forever Flashlight 10-in-1 Lantern is not going to be used for two months or more—remove both the 3 C batteries and the rechargeable battery.

If the unit is completely drained of energy, it is recommended to use the AC/DC adaptor. Plug the unit into an electrical outlet to fully charge the internal

battery. You can also wind the unit again three to five minutes.

Keep in mind if your radio has not been in use for a long length of time, this will cause the battery life to be shorter than normal even after recharging. In this case, recharge the battery for three to five minutes. Then discharge completely. Repeat this process several times to regain full performance of the battery. This is not necessary, but it is helpful in completing a full charge.

- If you turn the **CRANK HANDLE** slowly, the batteries can not be charged properly. The recommended turn speed would be 120 rounds per minute.

- While winding the handle of the Forever Flashlight 10-in-1 Lantern, the indicator lights will be on. This will signify that the charging is in the process.

How to replace the Rechargeable Battery.

Simply turn off your unit and open your **FLASH-LIGHT COVER**. Then simply reach into the unit and unplug the rechargeable battery. Replace with a new battery. Close the **FLASH-LIGHT COVER** and the battery replacement process is complete.

Charging your unit using an AC/DC adaptor.

The Forever Flashlight 10-in-1 Lantern is a DC charge design. You can use

any 6V/200mA AC/DC adapter for charging the unit. Simply turn off your lantern and use your **DC INPUT JACK** located at the back of your unit and plug into an electrical outlet. Your built-in batteries will be fully charged within three hours. Make certain voltage is compatible. Do not charge the unit for more than 24 hours, this may damage the unit.

Charging your unit using your Solar Panel.

1. Turn the unit off.
2. Turn your **POWER SELECTION SWITCH** knob to **ON**.
3. When the **SOLAR** option is bring used, the Forever Flashlight 10-in-1 Lantern will display a green

indicator light. This will signify that the charging is in the process.

4. Place your Forever Flashlight 10-in-1 Lantern in full, direct sunlight. You must make sure that the **SOLAR PANEL** is located at the top of your unit is in full sun. Your built-in batteries will then charge. Five to six hours of full sunlight will allow the unit to charge at approximately a 60% charge.

To charge the unit to full capacity, see the section on charging your unit by using an **AC/DC ADAPTOR** on page 10.

Using your unit with regular batteries.

1. Turn the unit off.
2. Use your **BATTERY COMPARTMENT DOOR** located at the bottom of your unit. Open the compartment door with a coin or a screwdriver.
3. Insert three C batteries, not included. Be sure to insert the battery with the correct polarities (+ and -). For more information on the batteries, see pages 3 and 17.
4. Replace the batteries when the sound becomes distorted or the flashlight becomes dim.
5. To utilize the back-up

batteries as the main power source, slide **POWER** switch to the **AUX.BAT** position.

Using the Flashlight

Your Forever Flashlight 10-in-1 Lantern includes an ultra bright LED bulb and a traditional white bulb. The LED energy saving light uses minimal power consumption when turned on. You then can switch to the second option and use the traditional light bulb.

Slide the **POWER SELECTION** switch to **ON**. This is important unless you want to access your **BACK-UP BATTERIES**. Then switch your **ON/BLINK/SIREN/OFF** to the **ON** position. This will turn the **LIGHT** function on.

To turn off the flashlight, switch the light switch to **OFF**.

How to replace the Flashlight Bulb.

Simply turn off your unit and open your **FLASHLIGHT COVER**. Press the rubber cover to release the inner flashlight cover to retrieve the spare light bulb. Then simply reach into the unit and replace the bulb. Remember to when your bulbs burn out to match with similar voltage bulb. Close the **FLASHLIGHT COVER** and the light bulb replacement process is complete.

Using the Blinker and Siren

To use the **BLINKER**, first, slide the **POWER** switch to

ON, this is important unless you want to access your **BACK-UP BATTERIES**. Then select **BLINK/SIREN** at your **POWER** switch. This will turn the **BLINKER** function on.

To use the **BLINKER** and **SIREN** simultaneously, first, select the **BLINK/SIREN** at your power switch and then turn on the **VOLUME** knob. This will turn the **BLINKER** function on. Then turn on the **VOLUME** knob.

Using the Radio

Your Forever Flashlight 10-in-1 Lantern can tune the **AM/FM** radio stations. To use the radio, first, slide the **POWER** switch to **ON**, this is important unless you want to access your **BACK-UP BATTERIES**.

Excalibur Electronics reserves the right to make technical changes without notice in the interest of progress.

To listen to the radio:

Turn the **VOLUME** control knob clockwise to turn the unit on.

Slide the **BAND** switch to **AM** or **FM**.

Turn the **TUNING** knob



Figure 2: Set your Forever Flashlight 10-in-1 Lantern on its end.

until you find your desired radio station.

Adjust the volume by turning the **VOLUME** knob.

For better reception:

FM/AM: Turn and rotate your unit to locate best reception. Fully extend the FM antenna.

To turn off the radio:

Turn the **VOLUME** control knob counter-clockwise to turn unit off.

Using the Lantern

Set your Lantern/Flashlight on its end (Figure 2). Pull out the lens to form a lantern and slide the **POWER SELECTION** switch to **ON** (Figure 3). This is important unless you want to



Figure 3: Pull out the lens to form a lantern and slide the power selection switch on.

access your **BACK-UP BATTERIES**. Then switch your **ON/BLINK/SIREN/OFF** to the **ON** position. This will turn the **LIGHT** function on.

To turn off the flashlight, switch the light switch to **OFF**.

Specifications

- Outer dimension: 9.5" x 4.5" x 3.5"
- Weight: 1.7 lbs
- Maximum power consumption: 0.6W
- Voltage: 3.6V-4.0V

Power Source:

- Recharge battery type: 2/3 AA size in one battery pad: 3.6V/300 mAh Ni-Cad batteries or a 600 mAh NI-MH
- Back-up batteries: three C batteries, not included.
- Hand-winding speed: 120 rpm or faster
- AC/DC 6V 200mA adapter, not included.
- Solar power
- EZ crank handle
- Spare light Bulb: PMMU-0023-0104

Band Coverage:

- AM 530 - 1710 KHz
- FM 88 - 108 MHz

Caution

- Forever Flashlight 10-in-1 Lantern generates a strong magnetic field that surrounds it. Keep the unit at least one foot away from medical devices, computers, magnetic storage media, or other devices such as:
 - Pacemakers
 - Credit cards
 - Cassette tapes
 - Televisions
 - Computer discs
 - Video tapes tube (CRT)
 - Any device with a cathode ray
- Do NOT attempt to point the light into the human eye directly. This strong light may cause physical damage to an eye.
- Take out the back-up batteries and remove the rechargeable batteries by disconnecting the battery plug, Only if the unit will not be accessed for a long time.

Special Care & Handling

- Always turn off the flashlight when charging.
 - Do not charge for more than 24 hours straight. This could damage the unit's recharging system.
 - Avoid rough handling such as bumping or dropping.
 - Avoid extreme temperatures. For best results, use between the temperatures of 39° F and 100° F (4° C and 38° C).
 - Clean only using a slightly damp cloth. Do not use cleaners with chemical agents.
 - Clean the lens with glass-cleaning products.
 - Do not use petroleum distillates (such as gasoline or kerosene) or solvents such as acetone to clean any part of the Forever Flashlight 10-in-1 Lantern.
- ** This product uses rechargeable batteries for energy storage that may need to be replaced after extended use.

Battery Information

- Batteries should be installed and replaced only by an adult.
- Forever Flashlight 10-in-1 Lantern uses three C batteries, not included.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Do not mix old and new batteries.
- Do not use rechargeable batteries.
- Remove exhausted batteries from the unit.
- Do not short circuit battery terminals.
- Remove batteries and store them in a cool, dry place when not in use.
- To avoid explosion or leakage, do not dispose of batteries in a fire or attempt to recharge alkaline or other non-rechargeable batteries.
- Install batteries so that the polarity (+ and -) matches the diagrams in the battery compartment.
- Use only batteries of the same type and equivalency.

**YOU CAN ALSO ORDER AN AC ADAPTER
(THE ADAPTER MODEL NUMBER IS: 1A-10014)
ONLY FOR \$12.95 WITH \$2.50 SHIPPING
& HANDLING. GO TO
WWW.EXCALIBURELECTRONICS.COM
OR CALL 305.477.8080 FOR MORE
INFORMATION.**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

LIMITED 90-DAY WARRANTY

EXCALIBUR ELECTRONICS, INC., warrants to the original consumer that its products are free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, EXCALIBUR ELECTRONICS, INC., will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to the factory address shown at right.

The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect,

wear and tear, inadequate maintenance, commercial use, or unreasonable use of the unit. Removal of the top panel voids all warranties. This warranty does not cover cost of repairs made or attempted outside of the factory.

Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do

not allow exclusion of incidental or consequential damages, so the above limitations and exclusions in these instances may not apply. The only authorized service center in the United States is:

Excalibur Electronics, Inc.

**13755 SW 119th Ave
Miami, Florida 33186
U.S.A.**

Phone: 305.477.8080

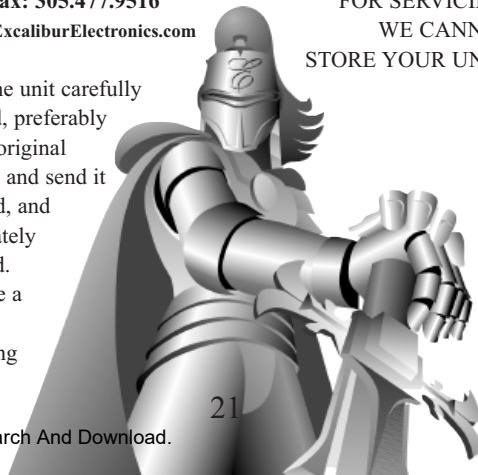
Fax: 305.477.9516

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Ship the unit carefully packed, preferably in the original carton, and send it prepaid, and adequately insured. Include a letter, detailing

the complaint and including your daytime telephone number, inside the shipping carton. If your warranty has expired and you want an estimated fee for service, write to the above address, specifying the model and the problem.

PLEASE DO NOT SEND
YOUR UNIT WITHOUT
RECEIVING
AN ESTIMATE
FOR SERVICING.
WE CANNOT
STORE YOUR UNIT!



Notes

Notes

EXCALIBUR ELECTRONICS

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WE MAKE YOU THINK

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