

# USER INSTRUCTIONS

## ECO Safe Charge™



### ECO SAFE CHARGE™ POWER DISTRIBUTION UNIT

MODEL NO.: ELE00045-XX

Rated: 125Vac 60Hz, 10A 1875W Maximum

Complies with Safety Standards: UL 60950

Conforms to Part 15 of FCC rules



### ECO SAFE CHARGE™ REMOTE CONTROL UNIT

MODEL NO.: ELE1908

Transmission Radio Frequency 433.92 MHz

Transmission Range: 100 Feet in open air

Battery: 1 x CR2032 3.0 Vdc

Conforms to Part 15 of FCC rules

FCC ID: Y6FELE1908

## ECO SAFE CHARGE™ Power Management System

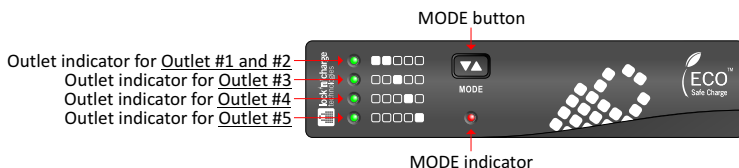
The remote controlled ECO Safe Charge™ Power Management System has the capabilities to charge multiple laptops and power other electrical equipment safely and efficiently. The intelligent ECO Safe Charge™ Power Management System provides four essential functions:

- 1. SAFE-ON:** sequentially stages power to each group of outlets, reducing the possibility of a momentary electrical Overload when multiple laptops are first powered on.
- 2. ECO-TIMER-ALL:** sequentially stages power to each group of outlets but automatically turns the power off after a selected time has elapsed. Use this mode to quickly charge all laptops if it is permissible to charge them together without causing a general electrical overload.
- 3. ECO-TIMER-CYCLE:** individually powers each group of outlets at a time for the duration selected then automatically turns power off before applying power to the next group of outlets until it has cycled through all groups of outlets. Use this mode to prevent a general electrical overload if all the laptops require more power than is permitted to be Supplied to all laptops together.
- 4. SAFE-OFF:** this function turns off all outlets.

Using the ECO-TIMER™ functions gives you the possibility of reducing your energy consumption, reduce carbon emissions, extend the life of your laptop batteries and reduce your power bills.

For more information visit [www.lockncharge.com](http://www.lockncharge.com) (international).

This ECO Safe Charge Power Distribution Unit has five power outlets which are divided into four groups. Group-1 contains Outlet #1 and Outlet #2; Group-2 contains Outlet #3, Group-3 contains Outlet #4, and Group-4 contains Outlet #5.



### PAIR THE REMOTE TO THE POWER DISTRIBUTION UNIT

1. Pressing and holding down the MODE button for more than 3 seconds in SAFE-OFF mode will put the Power Distribution Unit into pairing procedure.
2. The MODE indicator will flash quickly when you are in pairing procedure. If there is no valid ID received within 20 seconds, the Power Distribution Unit will exit from the pairing procedure and pairing will need to be re-done.
3. Pressing any button on the remote control will send its ID to the Power Distribution Unit and overwrite any previous ID stored. The MODE indicator will then turn OFF and your Remote Control will now be paired to the Power Distribution Unit.

#### Notes:

- o One Remote Control can be paired with multiple Power Distribution Units.
- o One Power Distribution Unit can only be paired with one Remote Control.
- o The state of the MODE indicators and outlets are unchanged during pairing.
- o The stored ID will survive removal and replacement of the Remote Control battery and power loss to the Power Distribution Unit.

#### Tips for using the Remote Control:

- o Line of sight from the Remote Control to the Power Distribution Unit is not required. The control signal can pass through walls and ceilings.
- o As with all RF transmitter devices, electrical fields, metal doors and motor devices can decrease the strength of the transmit control signal. Reorienting the Remote Control may increase the control range.
- o It is not guaranteed that every control signal sent out by the Remote Control will be received by the Power Distribution Unit. Check to make sure that the related appliances have responded after your press any button on the Remote Control.
- o Do not press the button on the Remote Control too rapidly.

## USING THE POWER DISTRIBUTION UNIT WITH THE REMOTE CONTROL

1. Pressing the SAFE-ON button on the Remote Control will turn ON all groups of outlets sequentially and will remain on until any other mode is set.
2. Pressing the 1HR-ALL or 3HR-ALL buttons on the Remote Control will activate ECO-TIMER\_ALL mode.
  - a) All groups of outlets will turn on sequentially and will turn off automatically after one or three hours has elapsed respectively.
  - b) The MODE indicator will flash the number of times corresponding to the specific button pressed to reflect the timer duration. Ie pressing the 3HR-ALL button will result in three flashes, corresponding to a 3-hour timer duration.
3. Pressing the 1HR CYCLE or 3HR CYCLE buttons on the Remote Control will activate ECO-TIMER-CYCLE mode. This function cycles each group of outlets on the Power Distribution Unit, giving it a set amount of charge time.
  - a) The time duration is determined by the specific CYCLE button pressed. Ie 1HR-CYCLE button corresponds to 1-hour timer duration,
  - b) When the timer duration has elapsed the group of outlets will be turned OFF and the next consecutive group of outlets will turn ON automatically.
  - c) The MODE indicator will flash the number of times corresponding to the specific CYCLE button pressed to reflect the timer duration. Ie pressing the 3HR-CYCLE button will result in three flashes, corresponding to a 3-hour timer duration.
4. Pressing the SAFE-OFF button on the Remote Control will put the Power Distribution Unit into SAFE-OFF mode cancelling any other mode.

## USING THE POWER DISTRIBUTION UNIT WITHOUT THE REMOTE CONTROL

Setting the operating mode without the Remote Control:

1. Pressing the MODE button consecutively will cycle the Power Distribution Unit through its different operating modes in this sequence: SAFE-ON to ECO-TIMER-ALL to ECO-TIMER-CYCLE to SAFE-OFF and repeating from the start.
2. The MODE indicator will indicate the operating mode of Power Distribution Unit:
  - a) In SAFE-ON mode, the MODE indicator will be on continuously.
  - b) In ECO-TIMER-ALL mode, each group of outlets will turn on sequentially and the MODE indicator will flash the number of times corresponding to the programmed timer duration. Eg Three flashes indicates a 3-hour setting.
  - c) In ECO-TIMER-CYCLE mode, only one group of outlets will turn on and the MODE indicator will flash the number of times corresponding to the programmed timer duration. Eg One flash indicates a 1-hour setting.

*NOTE: The outlet indicator will show the group of outlets that is ON;*

- o If the group of outlets is powered OFF the outlet indicator will be OFF.*
- o If the group of outlets is powered ON, the outlet indicator will be ON.*

- d) In SAFE-OFF mode, the MODE indicator will be OFF.

## SETTING THE PROGRAMMED TIMER DURATION IN ECO-TIMER-ALL OR ECO-TIMER-CYCLE MODES:

1. When the Power Distribution Unit is in ECO-TIMER-ALL mode, pressing and holding the MODE button on the Power Distribution Unit for 3-seconds will allow the programmed timer duration to be changed.
2. After 3-seconds have elapsed the MODE indicator will flash quickly.
3. Continuing to hold the MODE button down will cycle the programmed timer duration through this sequence, pausing for 3-seconds between each duration option;
  - o 1-hour (outlet indicator for Group-1, Outlet #1 and #2, will illuminate),
  - o 2-hours (outlet indicator for Group-2, Outlet #3, will illuminate),
  - o 3-hours (outlet indicator for Group-3, Outlet #4, will illuminate),
  - o 4-hours (outlet indicator for Group-4, Outlet #5, will illuminate), and repeat from the start.
4. Release the MODE button on the desired Time setting. Eg If you want the ECO-TIMER-ALL to charge for 2 hours, release the MODE button when outlet indicator for Group-2 is illuminated.
5. The MODE indicator will flash the number of times corresponding to the number of hours programmed. Eg Two flashes indicate a two hour setting.
6. The programmed timer duration will survive any loss of power.

## SAFETY INSTRUCTIONS

For your safety - Discard the Power Distribution Unit if the enclosure is damaged.

To reduce the risk of fire, electrical shock and/or injury, the following basic precautions should be followed:

- o This device is not intended for use by persons (including children) with reduced physical, sensory and mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions Concerning the use of the device by a person responsible for their safety.
- o Children should be supervised to ensure that they do not play with this device.
- o For indoor use only. Keep away from all sources of water or moisture. Never expose the devices to the rain or dangerous gas.
- o Do not overload. The maximum resistive load is 15Amps, 1875W.
- o Before using this device, check and make sure the electrical appliances are correctly and properly connected and installed according to the requirements of those appliances.
- o Remove the power supply from the C20 AC inlet before cleaning.
- o Do not operate any appliance with damaged cord or plug.
- o Do not try to repair, disassemble or modify this device. There are no user-serviceable parts inside.
- o Do not use this device other than for its intended use.
- o This device is intended to be connected to a 125V a.c., 60Hz and grounded power supply only.
- o Arrange the power cord away from traffic areas where it will not be tripped over.
- o This device may be warm during working. Keep it in a dry and cool place and do not cover.
- o Although the outlets are OFF, this device is powered when the main supply is connected and switched on.

## WARRANTY

LocknCharge warrants the product to be free of defects in design, materials, assembly and craftsmanship for a period of twelve months from the date of purchase to the original retail purchaser. Evidence of original purchase will be required to obtain warranty service.

In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, LocknCharge will repair or replace, at its option, the products which in the reasonable judgment of LocknCharge are deemed defective. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation.

The warranty does not apply to any product that has been subject to misuse, tampering, neglect, or accident or as a result of unauthorized alterations or repairs to the product. The warranty is in lieu of all warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly excluded or disclaimed. In no event will LocknCharge, their directors, officers, employees, or agents be liable for any harm, consequential, incidental, third party, special or indirect damages whatsoever arising out of the use or inability to use the products even if LocknCharge has been advised of the possibility of such damages. LocknCharge's obligation is strictly and exclusively limited to the replacement or repair of any defective products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

## COMPLIANCE STANDARDS

The ECO Safe Charge™ Power Distribution Unit conforms to US and Canada Safety Standards: UL 60950

The Surge protection component built-in is UL listed to UL 1449

The Remote Control and ECO Safe Charge™ Power Distribution Unit have been tested and found to comply with the limits for a Class B digital device and a Class C digital device respectively, pursuant to Part 15 of the FCC rules. These limits provide reasonable protection against harmful interference, and the operation is subject to the following:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation

Both the Remote Control and the Power Distribution Unit are designed with sophisticated protocols to prevent undesired operation in normal use.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

