

# The Chrony Led Lamp Manual

The Shooting Chrony Inc. introduces the new CHRONY LED LAMP (C.L.L.)

With this New Chrony LED Lamp (C.L.L.) all Shooting Chrony Chronograph Models will work under any light condition and give consistent velocities: Indoors, Outdoors on overcast days, or in the shade.

The Chrony LED Lamp comes with the following parts:

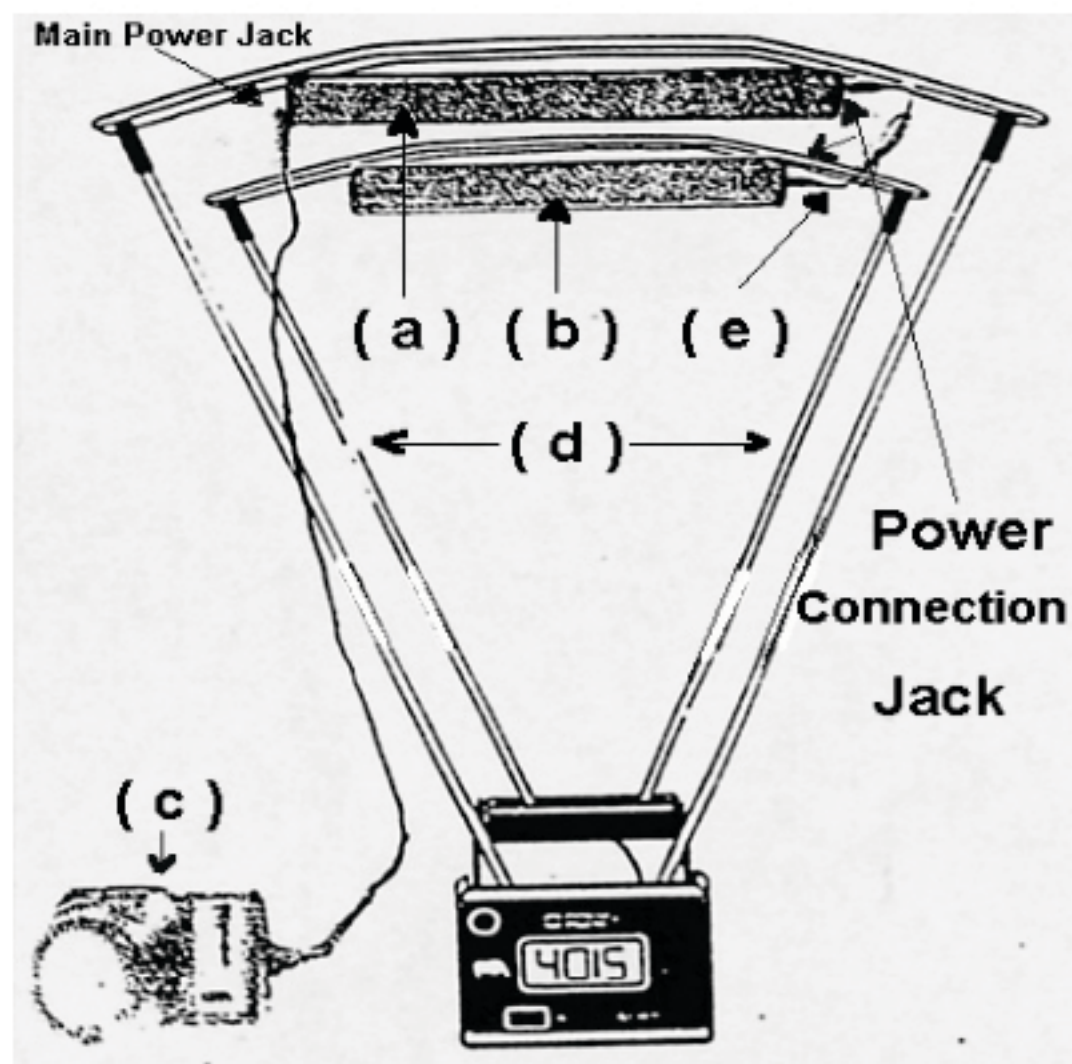


Figure 1

- a) Front C.L.L. is assembled to 14" Diffuser (1pc)
- b) Rear C.L.L. is assembled to 14" Diffuser (1pc)
- c) 120V/220V AC Adapter, output 12VDC @500mA (1pc)
- d) 16" Wire-Rods (4pcs)
- e) 4FT Power Connection Cable (1pc)

Optional:

- f) 12V DC BB-Battery Power Station (See Fig. 2) comes with (g) below to power the C.L.L. in the country side, or where there is no electricity.

- g) 6FT cord with the Cigarette Lighter Male Plug one end and the barrel connector in other end (Fig. 3). To power the C.L.L. by plugging it into the 12V DC female socket of the BB-Battery (Fig. 2), or to the Car Cigarette Lighter Socket of the vehicle.

There are 3 ways to Power the Chrony LED Lamp (C.L.L.):

## Option A- SET UP The C.L.L. using a 120V/220V AC Adapter

**Step1:** Insert 16" wire-rods (d) into the 4 outer-holes that locate on top of the photo-sensor housing of your Chrony as Figure 1.

**Step2:** Position the Front and Rear C.L.L. so that you can read the labels: "Front C.L.L. & Rear C.L.L." Install the Front C.L.L. (a) into the front Wire-Rods of the Chrony and install the Rear C.L.L. (b) into the rear Wire-Rods of the Chrony. Make sure the C.L.L. labels are facing towards the front so that the Main Power Jacks will be on the left side and Power Connection Jacks will be on the right side (see Fig. 1).

**Step3:** Plug 4FT Power Connection Cable (e) to each front and rear Power Connection Jacks of the C.L.L.

**Step4:** Connect the barrel connector of 120V/220V AC Adapter (c) to the main power jack of the front C.L.L. (a), and then plug the adapter into a standard electrical outlet. When the Red Lights along the slot on both C.L.L. appear, it's READY to use. If any C.L.L. appears no red light along the slot, the unit is NOT READY to use, this indicates a bad connection or power status (low battery, input Voltage is lower than 12V DC, or the Current is lower than 300mA).

**Note:** If the front and rear C.L.L. are installed in reverse, the velocity accuracy will be affected.

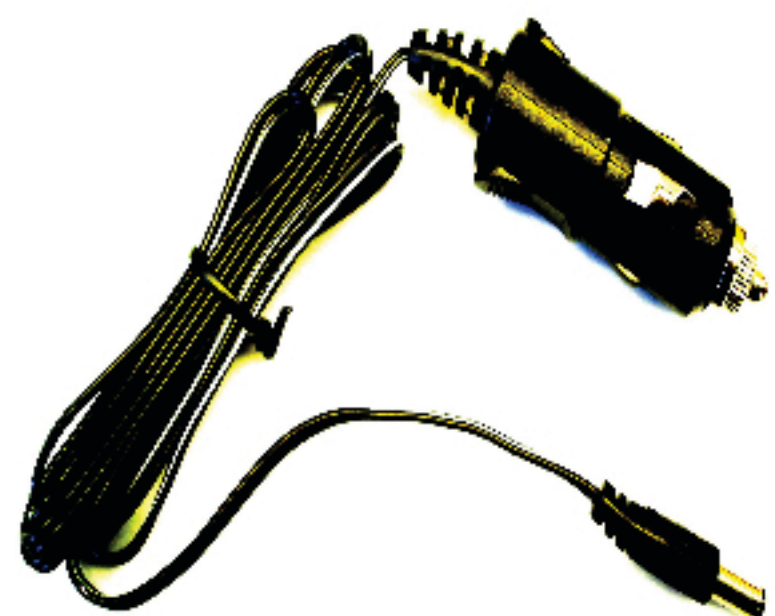
## Option B- SET UP The C.L.L. using a BB-Battery Power Station:

The 12V DC BB-Battery comes uncharged from the factory; it is necessary to recharge it before use. It is important to learn and understand all features and parts that come with the BB-Battery before use.



FIGURE 2

FIGURE 3



The Cigarette Lighter Male Plug with 6FT cord and barrel connector

1. Follow the Step1 to Step3 on the "Option A".
2. Simply just plug the cigarette lighter male plug of 6FT cord with barrel connector (Fig.3) into the 12V DC female socket of the BB-Battery (Fig. 2), the other end (barrel connector) into the Power Jack of the C.L.L.
3. When the Red Lights along the slot on both C.L.L. appear, it is READY to use. If any C.L.L. appears no red light along the slot, the unit is NOT READY to use, this indicates a bad connection or power status (low battery, input Voltage is lower than 12V DC, or the Current is lower than 300mA). In this case, (1) Check all the cable connections making sure all jack plugs are all the way in. (2) The BB-Battery Power Station needs to be recharged.

## Option C- SET UP The C.L.L. using a Car Cigarette Lighter Plug:

1. Follow the Step1 to Step3 on the "Option A".
2. Turn on the vehicle power with the car key to the accessory mark (no need to start the engine). Make sure to turn off all lights and other accessories such as fan, radio... to save the power.
3. Simply just plug the cigarette lighter male plug of 6FT cord with barrel connector (Fig.3) into the 12V DC female socket of your vehicle, the other end (barrel connector) into the Power Jack of the C.L.L.
4. When the Red Lights along the slot on both C.L.L. appear, it is READY to use. If any C.L.L. appears no red light along the slot, the unit is NOT READY to use, this indicates a bad connection or power status (low battery, input Voltage is lower than 12V DC, or the Current is lower than 300mA). In this case, check all the cable connections making sure all jack plugs are all the way in.

## STORING AND PRECAUTIONS

- NEVER operate the Chrony Chronograph and the Chrony LED Lamp under RAINING conditions.
- NEVER use an AC Adapter that indicates more or less than 12VDC output.
- DO NOT reverse the front and rear C.L.L.
- DO NOT store the unit in temperature less than 14°F (-10°C) or higher than 120°F (-50°C).
- In case the unit has been shot, DO NOT TOUCH any metal parts! TURN OFF the Power Source immediately.
- For BB-Battery, refer to the BB-Battery Power Station Manual for Storing and Precautions.