# Jamestronic CHGR801

## Li-ion rechargeable battery charger and analyzer

# Quick Setup Manual

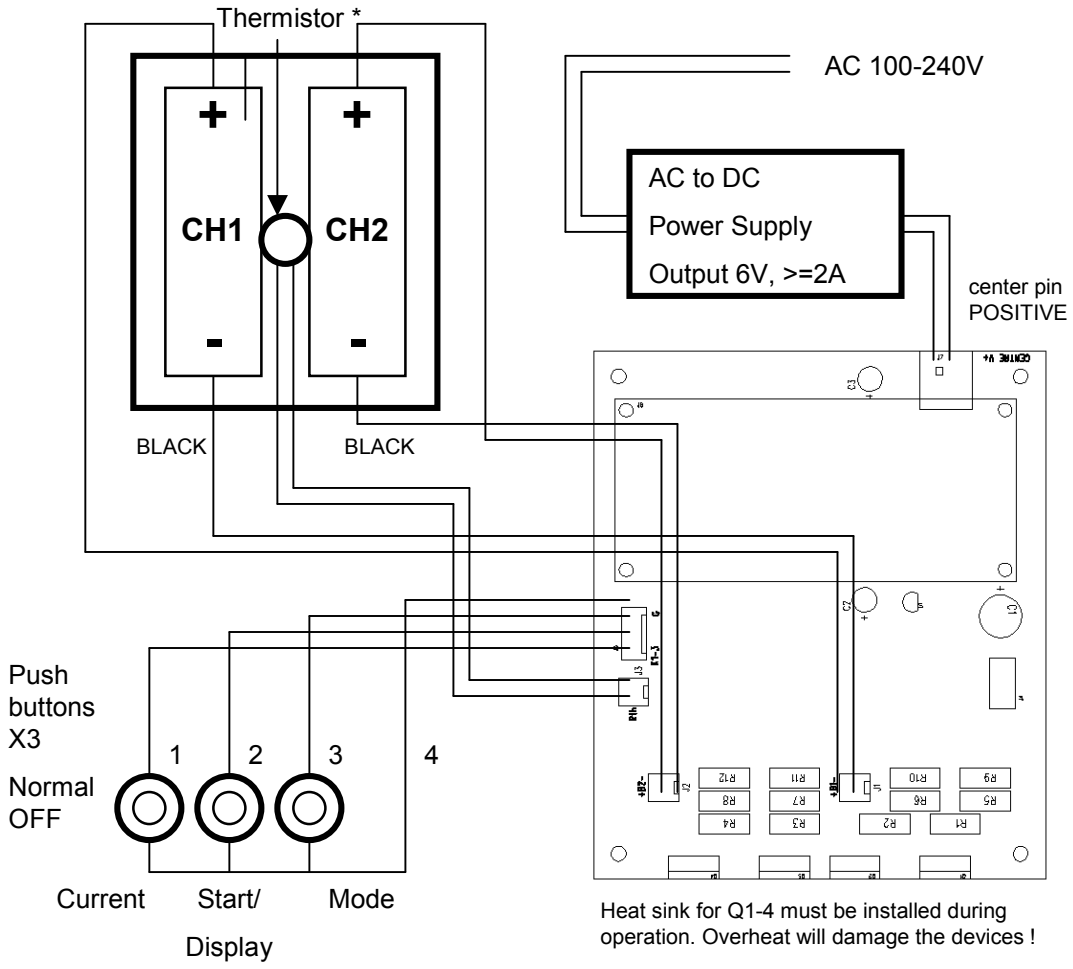
## SETUP

1. Before start, you need to prepare following :

   1.1 Connect 3 push buttons to J5 using the 4-wire connector provided.

   1.2 Prepare battery holder (NOT provided) for 2 cells with independent channel. Each channel MUST be electrical isolated from the each other.

2. Before turn on the power, connect above items as following diagram.




* If the thermistor is not connected, the temperature shown will be <0°C and <32°F. This will not affect the normal operation, but lose the thermal shutdown protection.

3. Before turn on the AC power, check again for correct wiring.

4. Turn on the power. The display will show the version number and temperature for 3 seconds. Then it will show “NO CELL” for both channels.

## OPERATION

1. Insert a Li-ion rechargeable battery into either Channel 1 or Channel 2.

2. The display will show “Charge ?”, asking for operation mode. And it will show the initial battery voltage.

3. Press button “MODE” to select among one of following modes :

   Charge, Dischrg (discharge), Dis+Chg (Discharge+charge), Testing (Analyzing mode)

4. Press button “CURRENT” to select the operation current. Current selectable are :

   Mode = Charge Current : 100, 200, 400 or 800mA

   Mode = Dischrg, Dis+Chg, Testing Current : 50, 100, 200, 400mA

   Actual charging current will be different according to different stage of operation.

   Example : Charging current will be 50% of current selected when stage is in final charging.

5. After selected the MODE and CURRENT, press button “START/DISPLAY” to start the operation.

6. If 2 batteries have been inserted, select and start for Channel 1 first. Then Channel 2 can be selected.

7. When neither channel is in selecting mode (displaying XXXXXXX?), pressing button “START/DISPLAY” will change the information in the second line of the display. Information shown :

   X.XXV : Battery voltage

   XXXmA : Charging/Discharging current (This may not be the same as the user selected current. This device will adjust the current at different operation stage.)

   XXXmAh : Charged/Discharged capacity. (In Testing mode, the final charging capacity will not be measured. The Discharged capacity will be kept until the end of the operation.)

   X:XXhr : Operation time. This displays the time since the “START” button was pressed.

   Temp: XX°C XX°F

8. The first line of the display will show the stage of operation.

| **MODE :** | **Charge** | **Dischrg** | **Dis+Chg** | **Testing** |
|---|---|---|---|---|
| Operation : | Charging | Discharging | Discharging + Charging | Charging + Discharging + Charging |
| **Stage 1** | **Pre-Chg** | **Dischrg** | **DIS+chg** | **Test1pC** |
| | Pre charge | Discharge | Discharge | 1st Pre charge |
| **Stage 2** | **Charge** | **End Dis** | **dis+PRE** | **Test1CH** |
| | Charge | End discharge | Pre charge | 1st Charge |
| **Stage 3** | **Final-C** | | **dis+CHG** | **Test1fC** |
| | Final charge | | Charge | 1st Final charge |
| **Stage 4** | **End Chg** | | **dis+FNL** | **TestDis** |
| | End charge | | Final charge | Discharge |
| **Stage 5** | | | **End D+C** | **Test2pC** |
| | | | End Dis+Charge | 2nd Pre charge |
| **Stage 6** | | | | **Test2CH** |
| | | | | 2nd Charge |
| **Stage 7** | | | | **Test2fC** |
| | | | | 2nd Final charge |
| **Stage 8** | | | | **EndTest** |
| | | | | End Test |