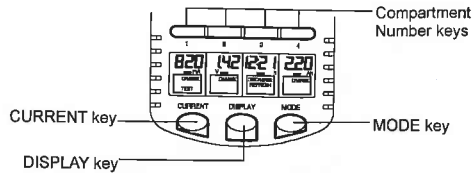


E Quick Reference To Operate BC-700 Battery Charger

SPECIFICATION:

Battery type : AA / AAA NiCd and NiMH
 Input voltage for AC/DC adapter : 100-240 VAC
 Charging current range : 200 mA - 700 mA
 Max charging capacity (capacity of rechargeable batteries) : 3000 mAh



MAJOR OPERATING FEATURES:

- Charging rechargeable battery in various current (200, 500 and 700 mA).
- Charging both "AA" and "AAA" rechargeable batteries simultaneously
- Overheat detection to protect rechargeable batteries from over-charging
- Damaged batteries detection
- Discharge mode (first discharging and then charging) to remove memory effect of rechargeable batteries
- Refreshing old rechargeable batteries by discharging/ charging cycles.
- Test function to check the capacities of rechargeable batteries
- Charging/ Discharging operations can be launched independently and simultaneously to each rechargeable battery in the compartments
- Various display modes during charging/ discharging – the charging current (in mA), time elapsed (in hh:mm), the terminal voltage (in V) and accumulated capacities (in mAh or Ah).

CHARGING TIME

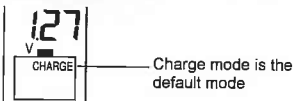
Table 1. Charging Time with various charging current

Size of battery	Battery Capacity	Charging current selected (mA)	Estimated charging time
AA	2700 mAh	700	~3 hr 35 min
		500	~5 hr
		200	~13 hr
AAA	1000 mAh	700	~60 min
		500	~84 min
		200	~3 hr 30 min

USING THE CHARGING UNIT:

Example: Charging 4 batteries at charging current of 200, 500 or 700 mA

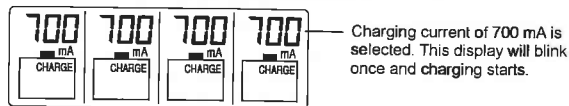
1. Plug the transformer to the power source.
2. Insert the four batteries in a continuous action within 8 seconds.
3. "Charge" and the battery voltage will be displayed in the LCD indicating that Charge mode is the default mode:



By pressing the MODE key within 8 seconds from inserting the battery, Charge, Discharge, Refresh and Test mode can be selected. (The mode key shall first be pressed and held for about 1 second to activate the mode change. The subsequent pressing of the mode key will enable to toggle between the "Charge", "Discharge", "Test" and "Refresh" mode.)

If no key is pressed, it will change to show "200 mA" and "Charge" and will start charging at 200 mA after 4 seconds.

4. Within 8 seconds after placing the batteries, select the charging current by pressing the CURRENT key. 200, 500 or 700 mA may be selected.
5. After 8 seconds from last key pressing, the display will blink once to indicate that the time allowed for setting is over and the charging will start.



Afterward, the current can no longer be changed during the process. Then user can reset the current only by taking out all the batteries out and repeat the above steps.

6. "Full" sign will be displayed once the battery is fully charged:



7. During the operation, by pressing the DISPLAY key, various display modes can be viewed (see below table).

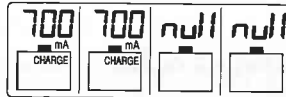
Note: The charging current of the second, third and fourth battery placed to the charger cannot be set higher than that of the firstly placed battery. Therefore user shall place the battery with the highest desired charging current firstly at compartment 1.

Stage in Charge mode	Various displays (toggled by pressing DISPLAY key)			
	Voltage (V)	Current (mA)	Time (hh:mm)	Capacity (mAh/ Ah)
During charging	Instantaneous battery voltage	Charging current	Charging time elapsed	Accumulated capacity
Full stage		Trickle charging current		

Charging four batteries at different modes at the same time

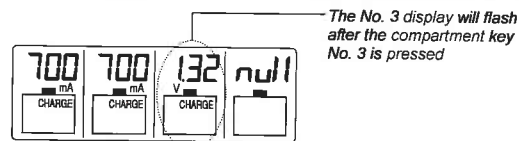
Example: Two batteries at charge mode, one at discharge mode and one at test mode.

1. Plug the transformer to the power source.
2. Insert the two batteries for charging in a continuous action within 8 seconds to compartment 1 & 2
3. "Charge" will be displayed in the LCD as Charge mode is the default mode.
4. Within 8 seconds after placing the two batteries, select the charging current at 200, 500 or 700 mA by pressing the CURRENT key.
5. After 8 seconds from last key pressing, the display will blink once to indicate that the time allowed for setting is over and the charging will start.



Afterward, the current can no longer be changed during the process.

6. Now, battery at compartment 1 and 2 are being charged. Insert the third battery for "Test" in compartment 3.
7. Within 8 seconds from placing the battery to compartment 3, press the corresponding compartment key "3". Then the No. 3 display will be flashing:



Within 8 seconds from pressing the compartment key, select the "Test" mode for compartment 3 by pressing the MODE key. (The mode key shall first be pressed and held for about 1 second to activate the mode change. The subsequent pressing of the mode key will enable to toggle between the "Charge", "Discharge", "Test" and "Refresh" mode.)

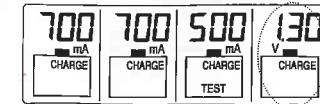
Note: User shall press the compartment key to select a particular compartment before pressing the MODE key, otherwise, mode of all compartments will be changed at the same time.

8. Within the 8 seconds from last key pressing, select the charging current in the test mode: 200, 500 or 700 mA.

Note: Although the individual are operated in different modes, the charging current of the second, third and fourth battery placed to the charger cannot be set higher than that of the firstly placed battery.

9. After 8 seconds from last key pressing, the display will blink once to indicate that the time allowed for setting is over and the Test mode will start. Afterward, the current can no longer be changed during the process.
10. Now, battery at compartment 1 and 2 are being charged, while battery at compartment 3 are undergoing Test mode. Insert the fourth battery for "Refresh" to compartment 4.
11. Within 8 seconds from placing the battery to compartment 4, press the

corresponding compartment key "4". Then the No. 4 display will be flashing.

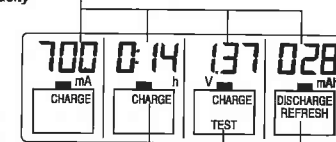


Within 8 seconds, select the "Refresh" mode by pressing the MODE key. (The mode key shall first be pressed and held for about 1 second to activate the mode change. The subsequent pressing of the mode key will enable to toggle between the "Charge", "Discharge", "Test" and "Refresh" mode.)

12. Within the 8 seconds from last key pressing, select the refreshing current in the test mode: 100, 250 or 350 mA.
13. After 8 seconds from last key pressing, the display will blink once to indicate that the time allowed for setting is over and the Refresh mode in compartment 4 will start.
14. Afterward, the current can no longer be changed during the process.
15. Now, battery at compartment 1 and 2 are being charged, while battery at compartment 3 and 4 are undergoing Test and Refresh mode respectively. During the operation, by pressing the DISPLAY key, various display modes can be viewed (refer below figure and Table 5 to 7 in the full manual).

Different display modes are exhibited:

Charging current, Time, Voltage and Capacity



Different operating modes

16. "Full" sign will be displayed once the battery is fully charged.

CAUTIONS:

1. The charger is restricted to charging NiCd and NiMH rechargeable batteries only. Never adopt this charger to other types of batteries such as alkaline, lithium, carbon zinc or other types that are not specified.
2. The charging unit shall only be used only at normal indoor room conditions.
3. Always follow the charging instructions for the rechargeable battery. Observe the recommended charging current of the rechargeable batteries.
4. Never use any power cable and transformer other than those originally supplied with the charging unit.
5. The rechargeable batteries may become hot during charging (especially when high charging current is chosen). User shall take extra care when taking out the batteries after charging.
6. Unplug the charging unit from the power source when not in use.
7. Full details of the charger refer to the Main manual.

USERS OF OUR CHARGING UNIT ARE KINDLY REQUESTED TO READ CAREFULLY THE MAIN INSTRUCTIONS MANUAL BEFORE THE FIRST USE

