HOW TO USE THE JAY CAR MB 3633 CHARGERS

INSTRUCTIONS.

RCS is proud to be selling the new JayCar MB 3633 mains powered multi chemistry charger.
It can be used with either Li-Ion, Li-Po, Li-Fe, NiCd, NiMh and PB batteries. Formal instructions are supplied.

I am not used to interpreting Flow Charts, so for me, the charger manual was a bit hard to follow. It took me some time to get my head around the formal instructions. The following should help those techno dummies like me.
This charger uses either the supplied 240 volt AC mains cable or a 2 amp 12v DC switch mode power supply, or a 5 amp 12V DC switch mode power supply. There is a selection of different charge plugs to suit various applications. To use the 2.5 mm Futaba type plug requires the supplied cables being joined together. Red to Red and Black to Black.
RCS has a # CABL-MULTI available, which has two banana plugs with 5 different connectors.
Use the Futaba type + to the pin, 2.5 mm DC plug with RCS installation kits. Do not use the JR connector.
Also supplied are a JR servo lead connector and a standard JST 2 pin connector. The Deans plug is also fitted.
As delivered the JayCar MB 3633 is set up for all chemistries. You will need to adjust the settings to suit your application.
This charger does not have automatic cell count detection. You must correctly set the number of cells.

HOW TO GET TO THE INITIAL PARAMETER SET UP. (USERS SET UP Li-Ion).
1.   Plug in the power supply and switch the power ON.
2.   The BLUE screen will light up and show: Li-Po BALANCE CHGE 6.0 amp   7.4v(2S)
3.   Press the **BATT /PROG/Stop** button and the screen will show: .BAT/ PROGRAM LiPo BATT
4   Then press the **INC►** button repeatedly and the image will appear BAT/ PROGRAM SYSTEM SETTING→
5.   If you wish to change any of the charger characteristic's, press the **ENTER/Start** button.
Then repeatedly press the **INC►** or **DEC◄** button to scroll through the menu until you have arrived at the feature you wish to modify. For example, Bal. Connection. This needs changing from ON to OFF.
6.   Then, briefly press the **ENTER/Start** button again and the word ON will blink.
7.   Press **INC►** or **DEC◄** button and ON to OFF which will continue to blink.
8.   Then, briefly press **ENTER/Start** button and Warning Balancer is OFF will appear.
9.   Press the **BATT /PROG/Stop** button repeatedly to return to BAT/ PROGRAM SYSTEM SETTING→

HOW TO START REGULAR CHARGING. (Li-Ion).
1.   Plug in the power supply and switch the power ON.
2.   The BLUE screen will light up. Unlike earlier chargers which remembered the last used setting, this charger will always default to Li-Po BALANCE CHGE at switch on, and must be changed to Li-Io CHARGE manually.
3.   Press the **BATT /PROG/Stop** button to change screen to BAT/ PROGRAM Li Po BATT
4.   For **Li-Ion** type press the **INC►** or **DEC◄** button repeatedly, until the screen shows BAT/ PROGRAM Li Io BATT
5.   Then plug in the battery to be charged.
6.   Then press the **Start/Enter** button briefly. The value can vary but for example 0.1A & 3.7v(1S) will appear.
7.   If you wish to change the charge current press the **ENTER/Start** button briefly again and the value 0.1A will blink.
8.   Press the **INC►** or **DEC◄** button depending on the value you want to set. We use 2 amp max.
If you wish to change the number of cells being charged to another value, press **ENTER/Start** button briefly again and the value 3.7v(1S) will blink. Press the **INC►** or **DEC◄** button and 7.4v(2S) will appear. Press the **INC►** button again to increase cell count to the number you require. 4S is the most common cell count RCS uses.
8.   Press the **Start/Enter** button briefly again to set the values, which will stop blinking. Once set, the charger will remember the set values.

If the values have already been set, you can proceed to actually charging.
9.   Then, press the **INC►** button to change from Li-Io BALANCE CHGE to Li-Io CHGE.
10.   Press and hold the **ENTER/Start** button for at least 3 seconds to start the actual charge cycle. Whilst pressing the **ENTER/Start** button the charge current will blink briefly & then the screen will say BATTERY CHECK WAIT …….
11.   Then confirm charge by pressing **ENTER/Start** and it will start charging.

**BEFORE CHARGING, ADJUST THE CHARGER TO SUIT THE MAXIMUM CHARGE RATE OF YOUR BATTERY.
FOR EXAMPLE 1C = A MAXIMUM CHARGE RATE IS THE SAME AS THE BATTERY CAPACITY.**

HOW TO START REGULAR CHARGING. (Ni-Cd).

1.   Plug in the power supply and switch the power ON.

2.   The BLUE screen will light up. Unlike earlier chargers which remembered the last used setting, this charger will always default to **Li-Po BALANCE CHGE** at switch on, and must be changed to **Li-Io CHARGE** manually.

3.   Press the **BATT /PROG/Stop** button to change screen to **BAT/ PROGRAM Li Po BATT**

4.   For **NiCd** type press the **INC►** or **DEC◄** button repeatedly, until the screen shows **BAT/ PROGRAM   Ni CD BATT**

5.   Then plug in the battery to be charged.

6.   Then press the **Start/Enter** button briefly. The value can vary but for example **Ni-Cd Charge Current 0.1A** will appear.

7.   If you wish to change the charge current press the **ENTER/Start** button briefly again and the value **0.1A** will blink.

8.   Press the **INC►** or **DEC◄** button depending on the value you want to set. We use **2 amp** max.

9.   Press the **Start/Enter** button briefly again to set the values, which will stop blinking. Once set, the charger will remember the set values.

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If the values have already been set, you can proceed to actually charging.

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10.   Press and hold the **ENTER/Start** button for at least 3 seconds to start the actual charge cycle. Whilst pressing the **ENTER/Start** button the charge current will blink briefly & then the screen will say **BATTERY CHECK WAIT …….**

11.   Then confirm charge by pressing **ENTER/Start** and it will start charging.