

# VR-1

## ***DUAL RACING CHARGER***

QUICK REFERENCE FLOW CHARTS

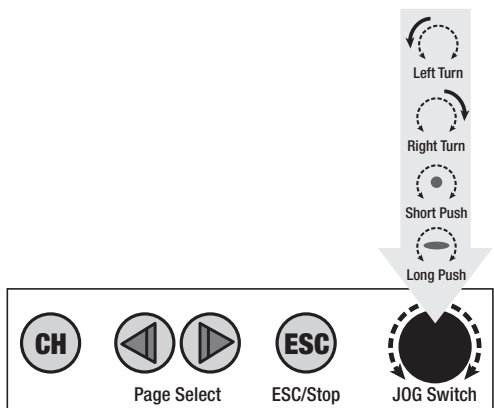
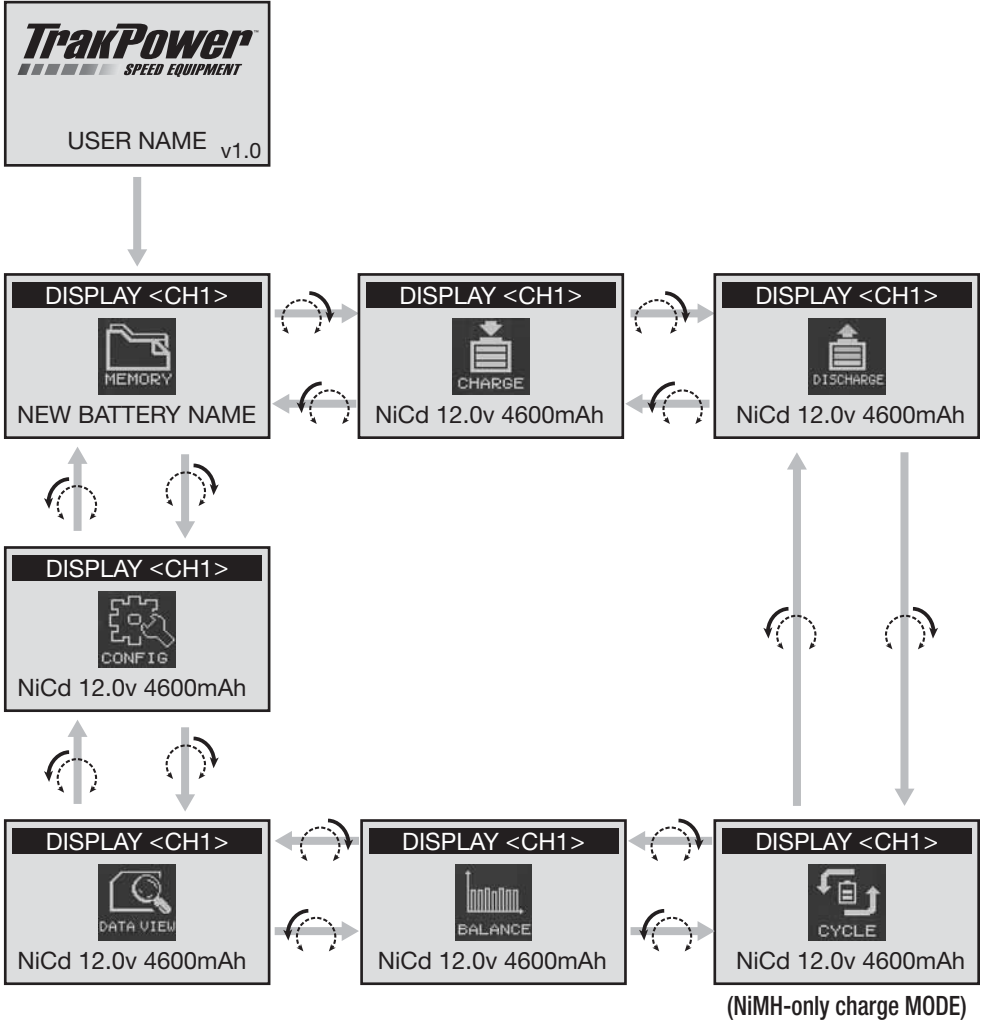


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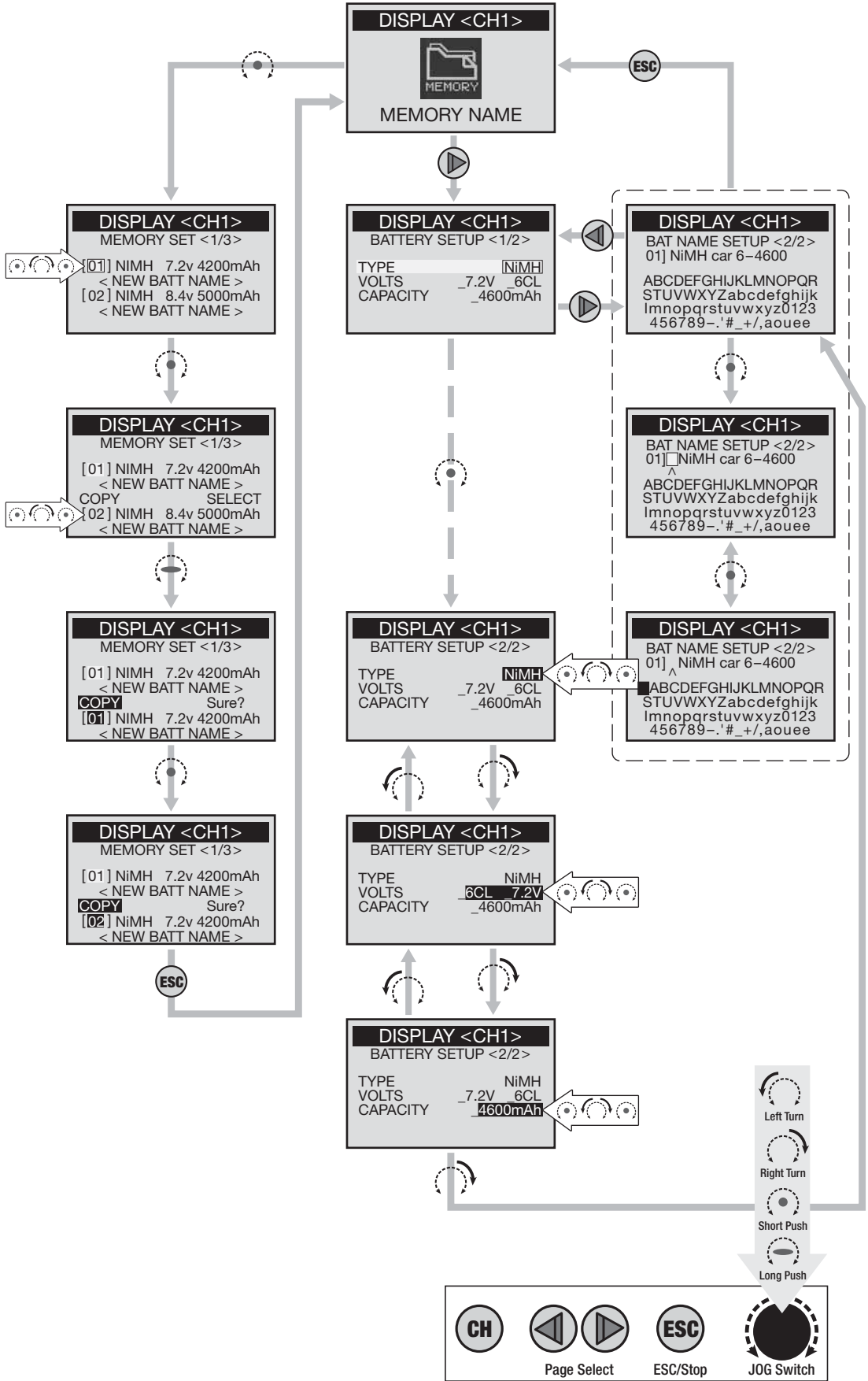
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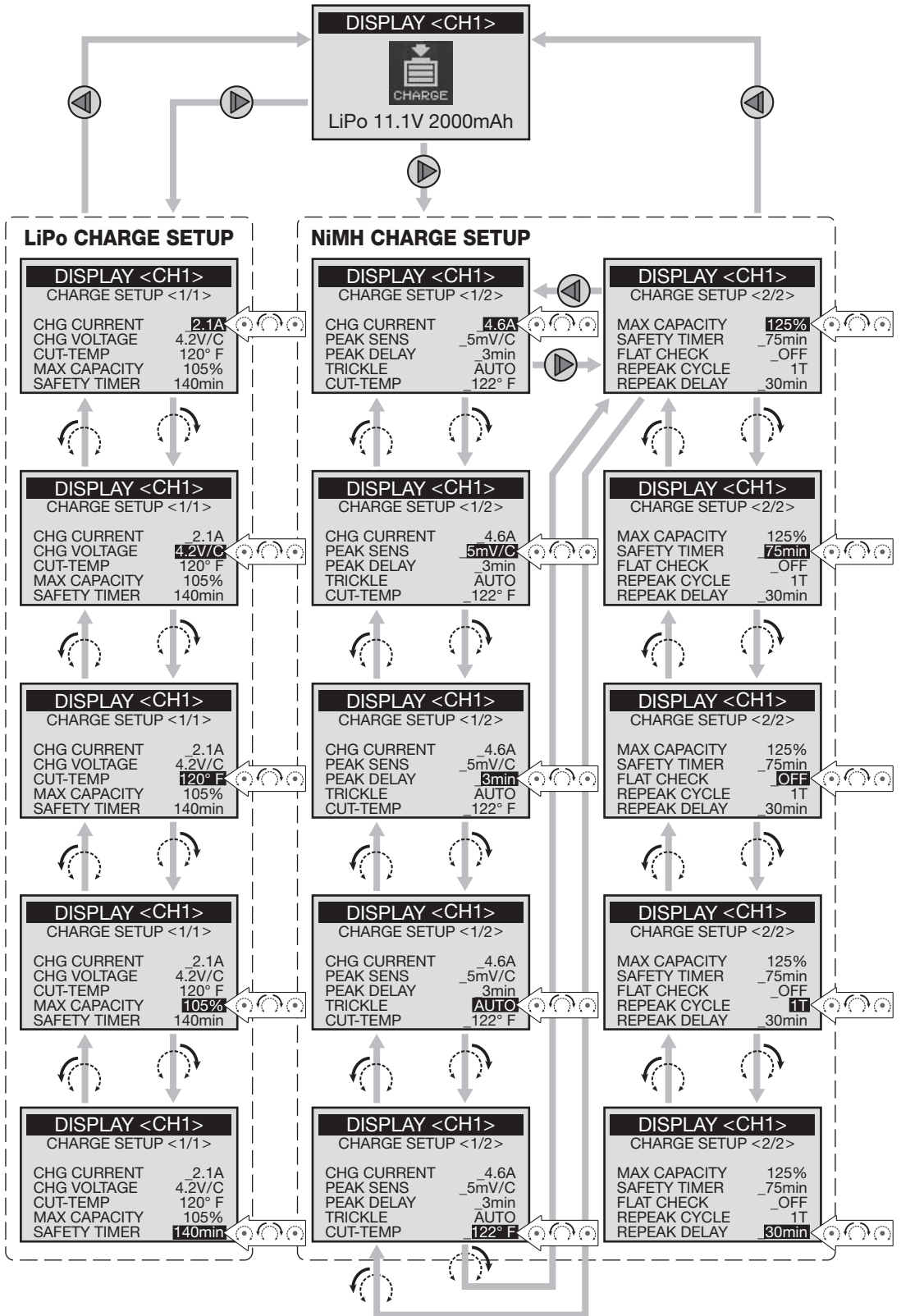
# MAIN MENU FLOW



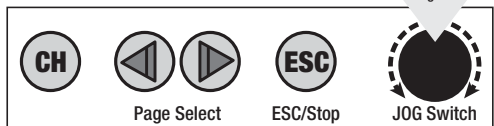
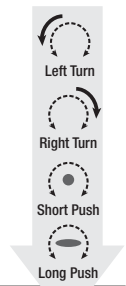
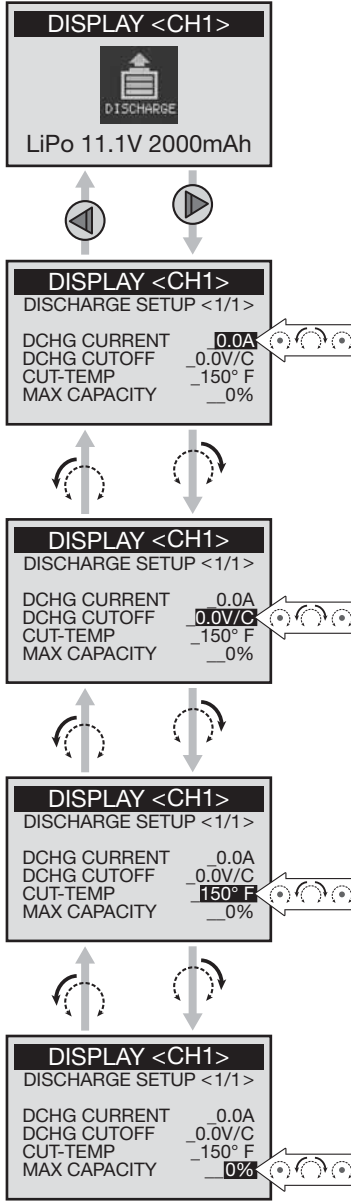
# MEMORY SETUP MENU



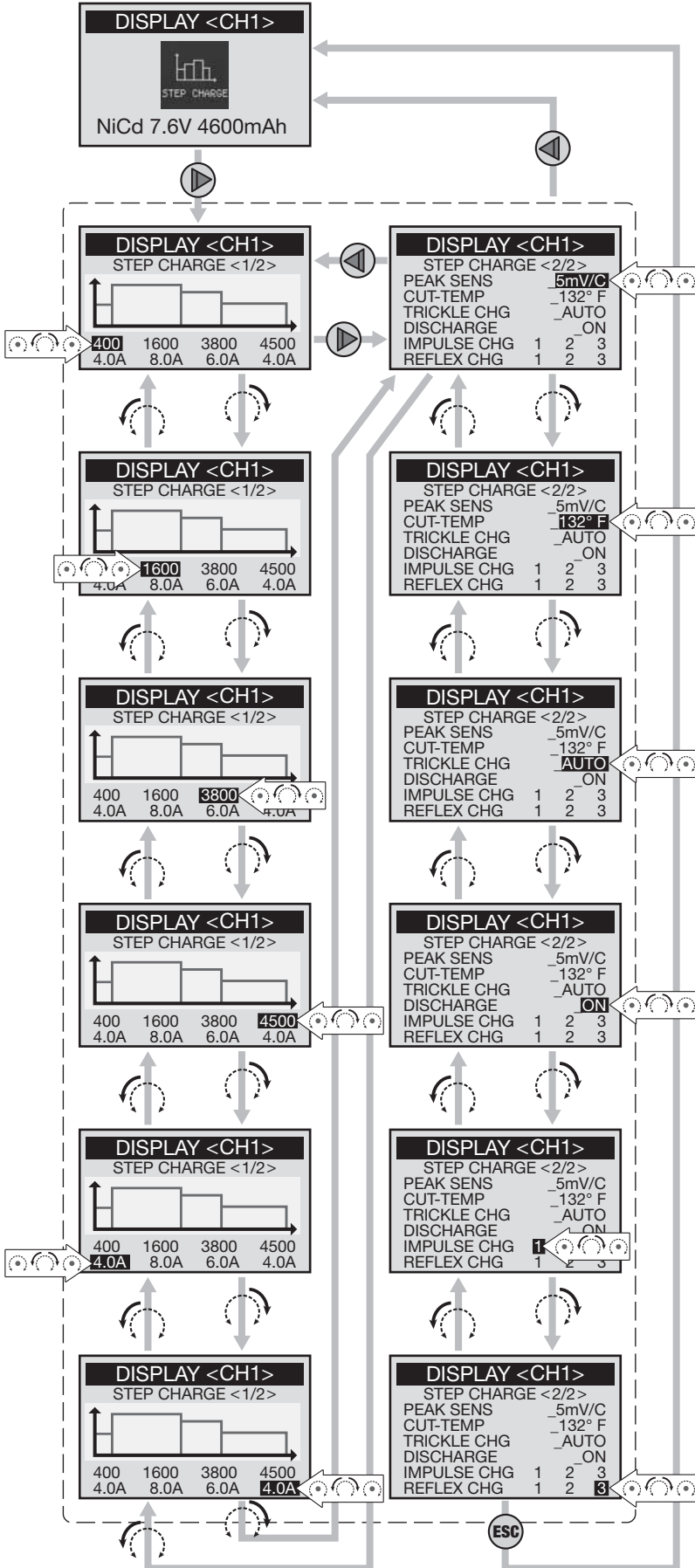
# CHARGE SETUP MENU



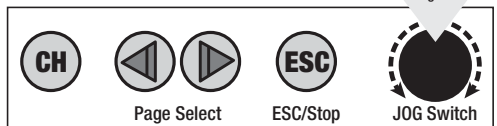
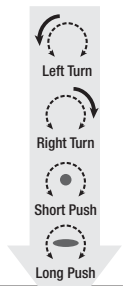
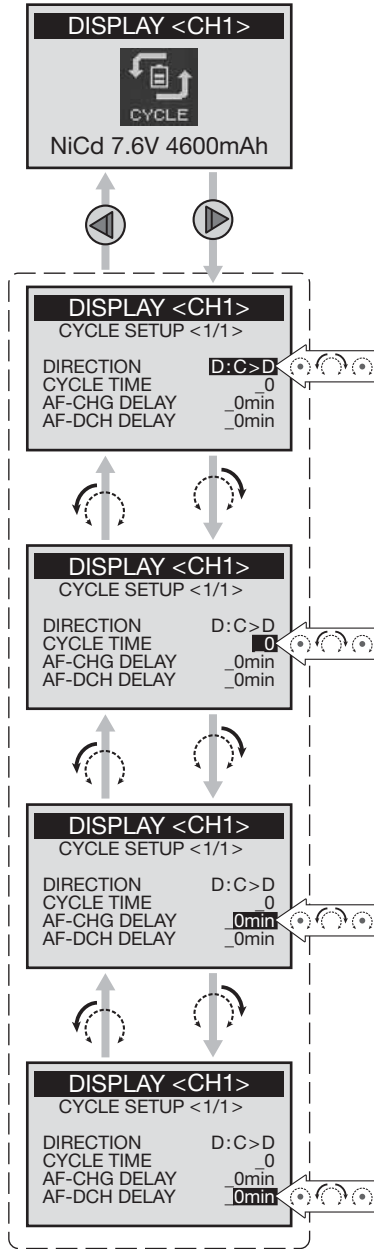
# DISCHARGE SETUP MENU



# STEP CHARGE SETUP MENU (Ni-XX ONLY)

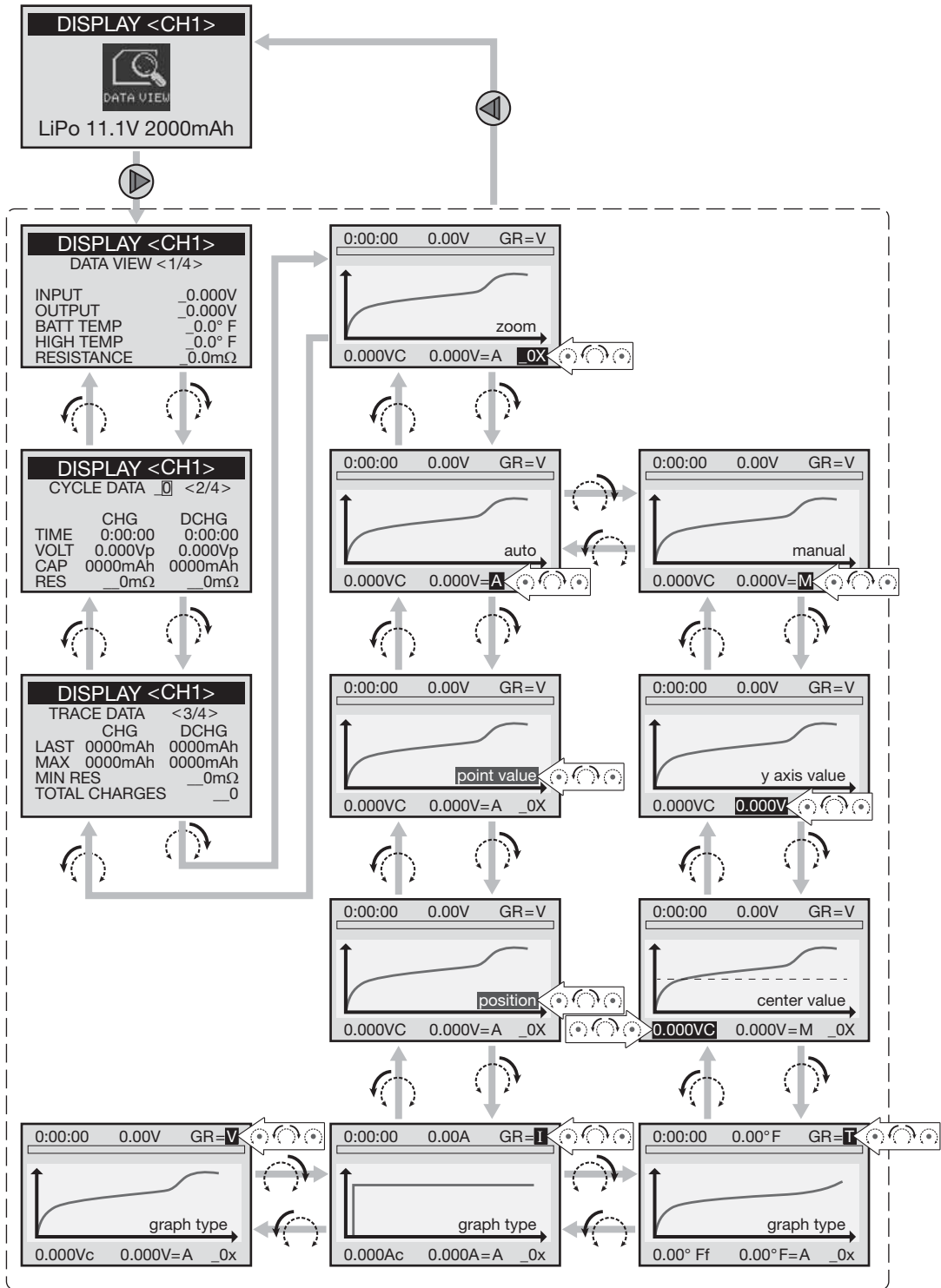


# CYCLE SETUP MENU (Ni-XX ONLY)

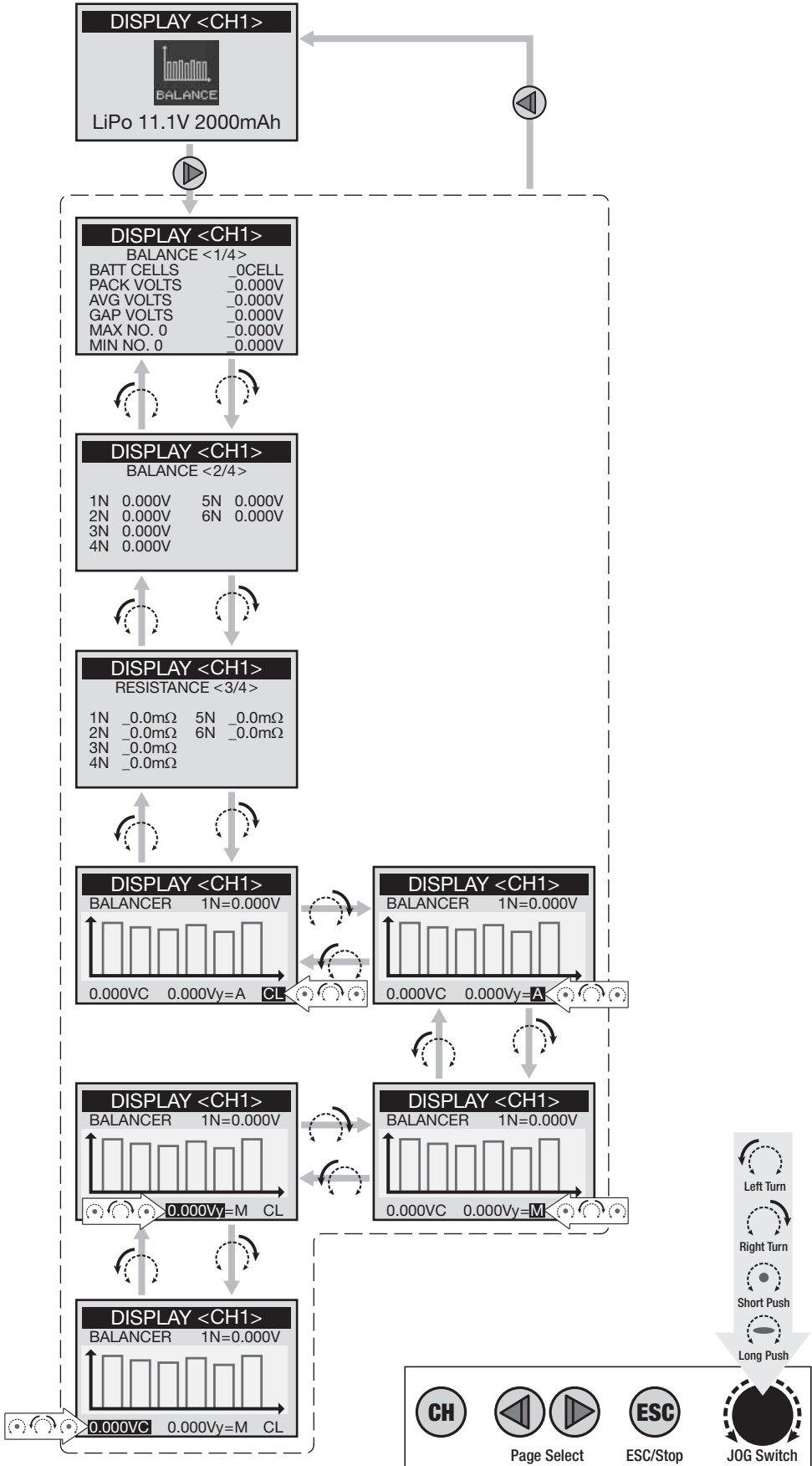




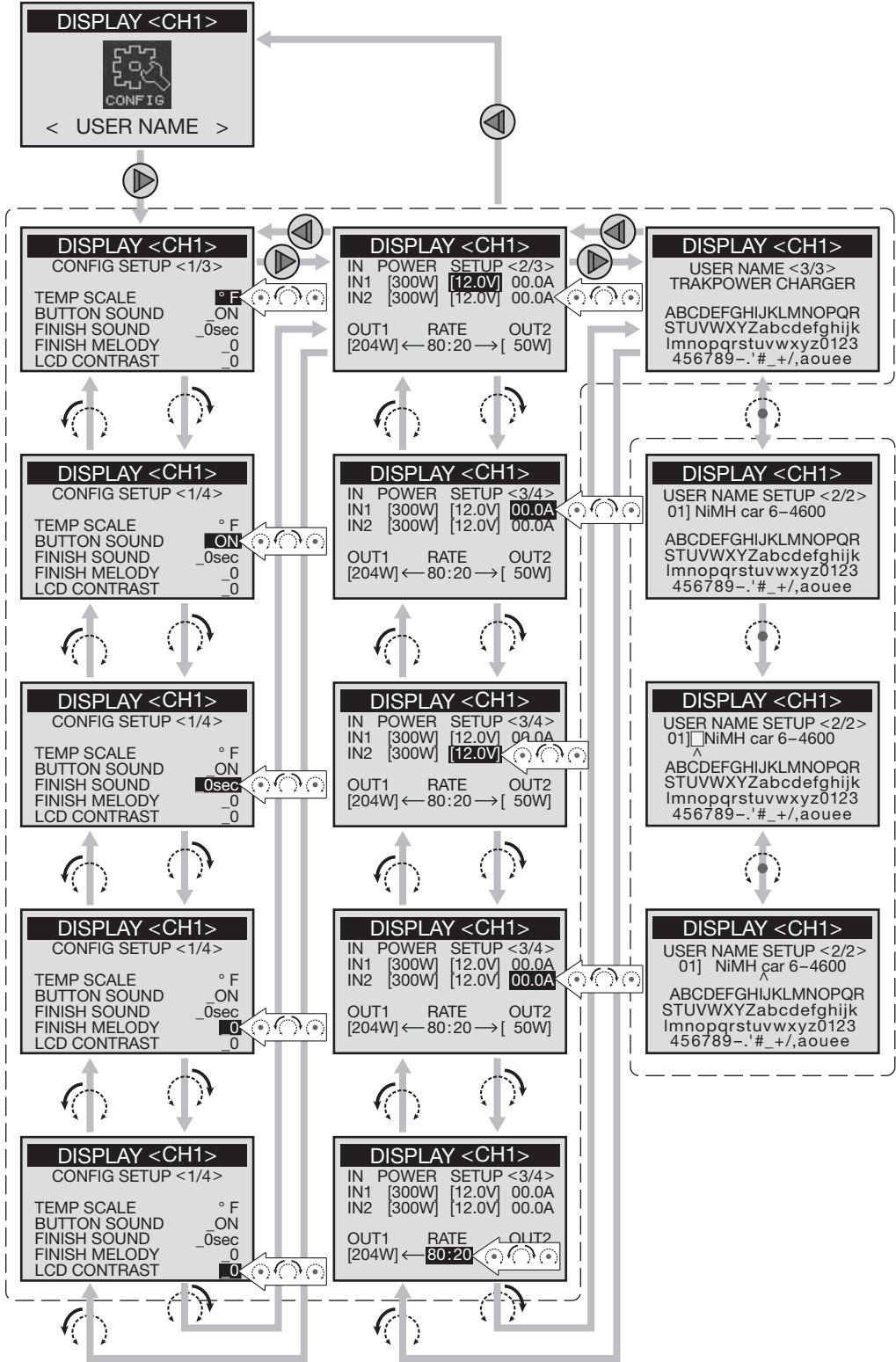
# DATA VIEW



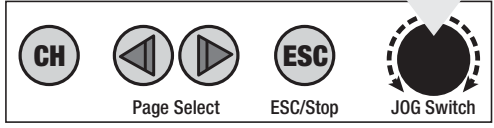
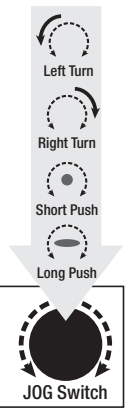
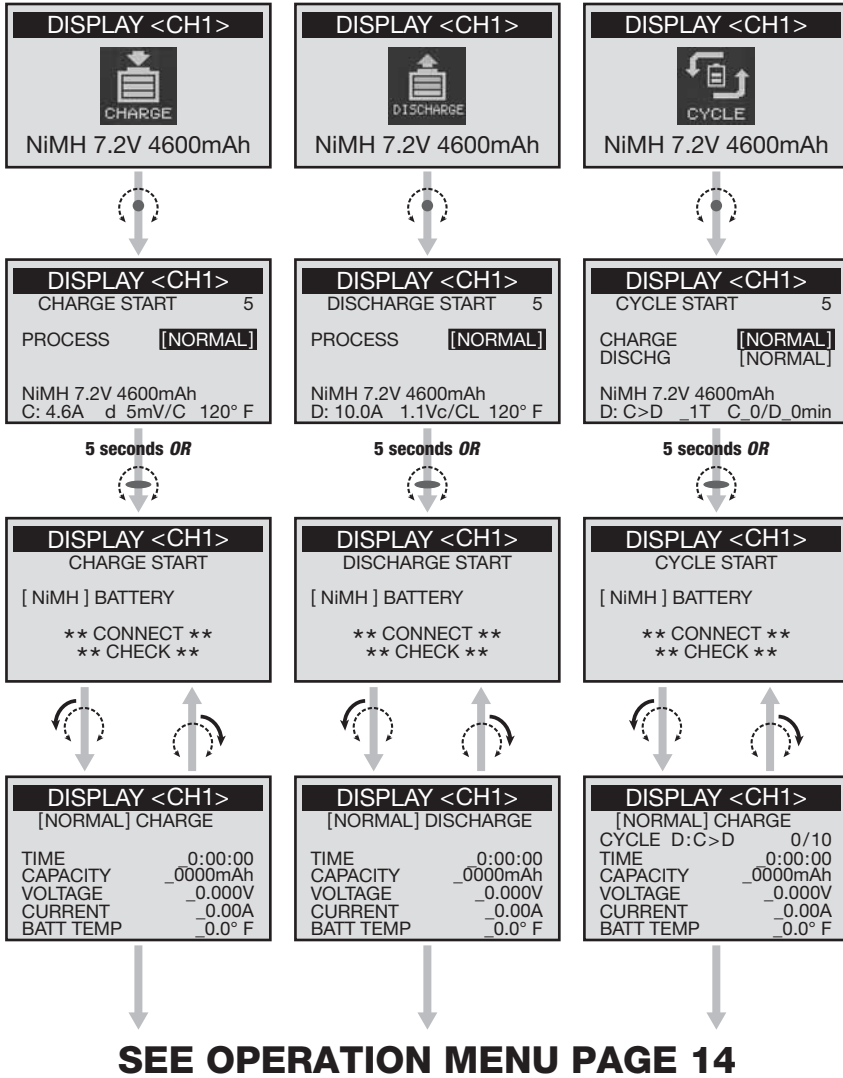
# BALANCE MENU



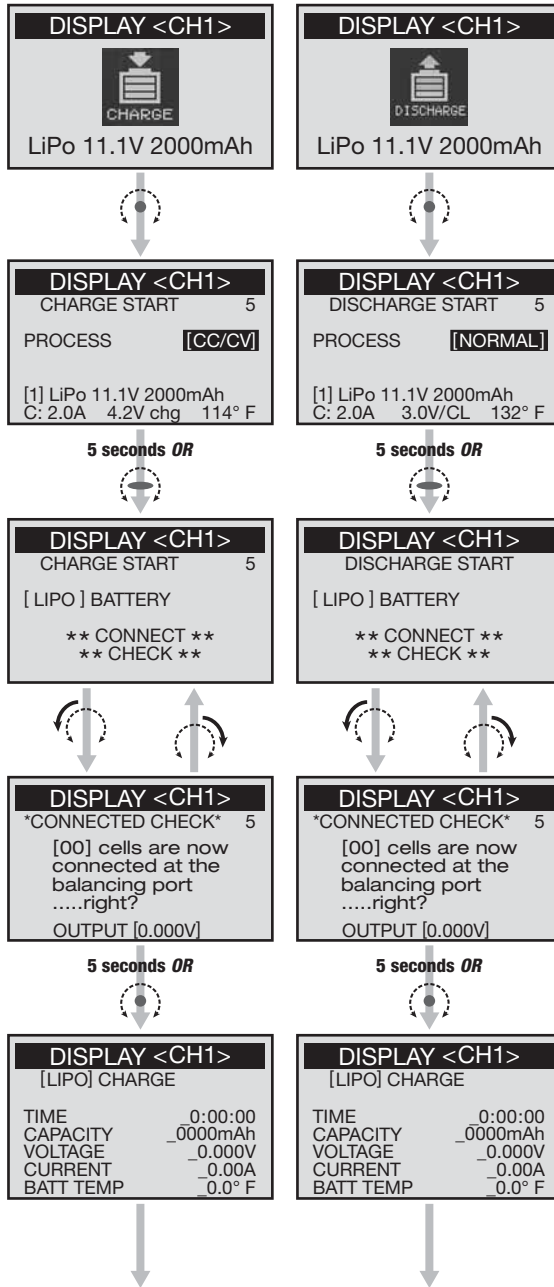
# CONFIG SETUP MENU



# NiXX START SELECT MENU



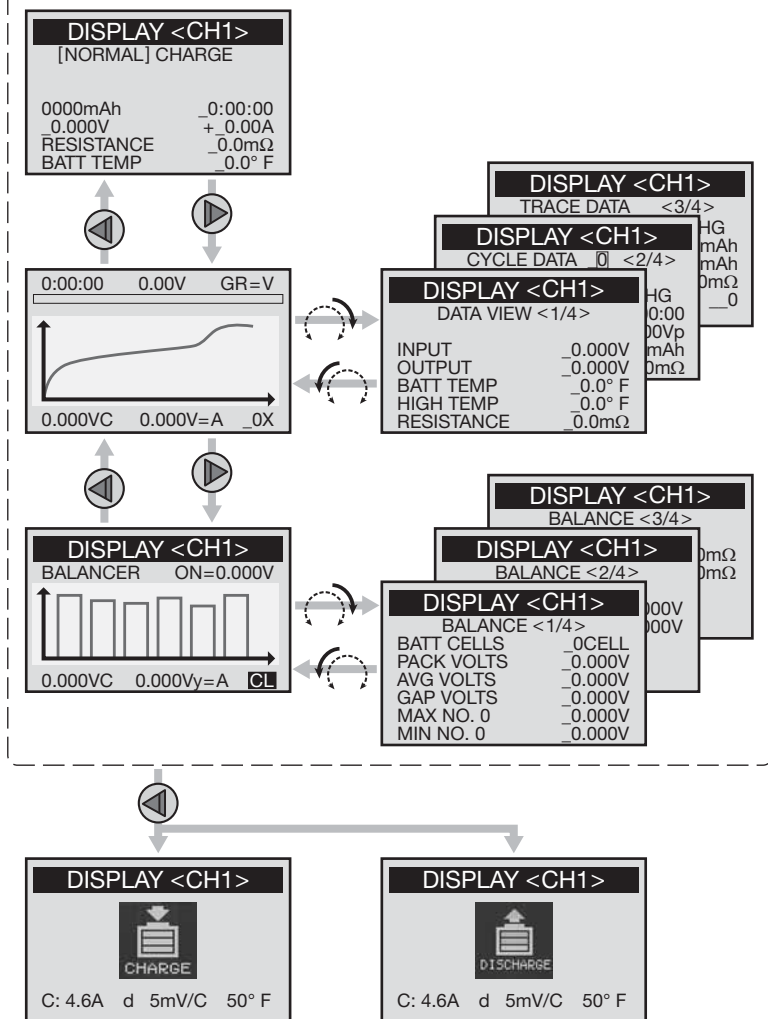
# ***LiXX START SELECT MENU***



**SEE OPERATION MENU PAGE 14**

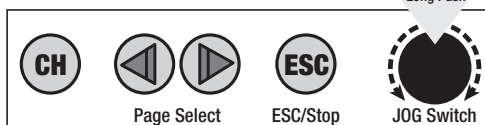
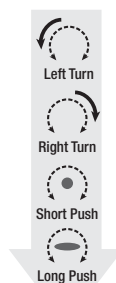
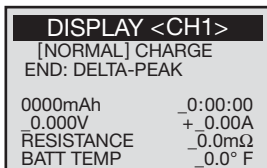
# OPERATION MENU

## CHARGE, DISCHARGE OPERATION SCREEN




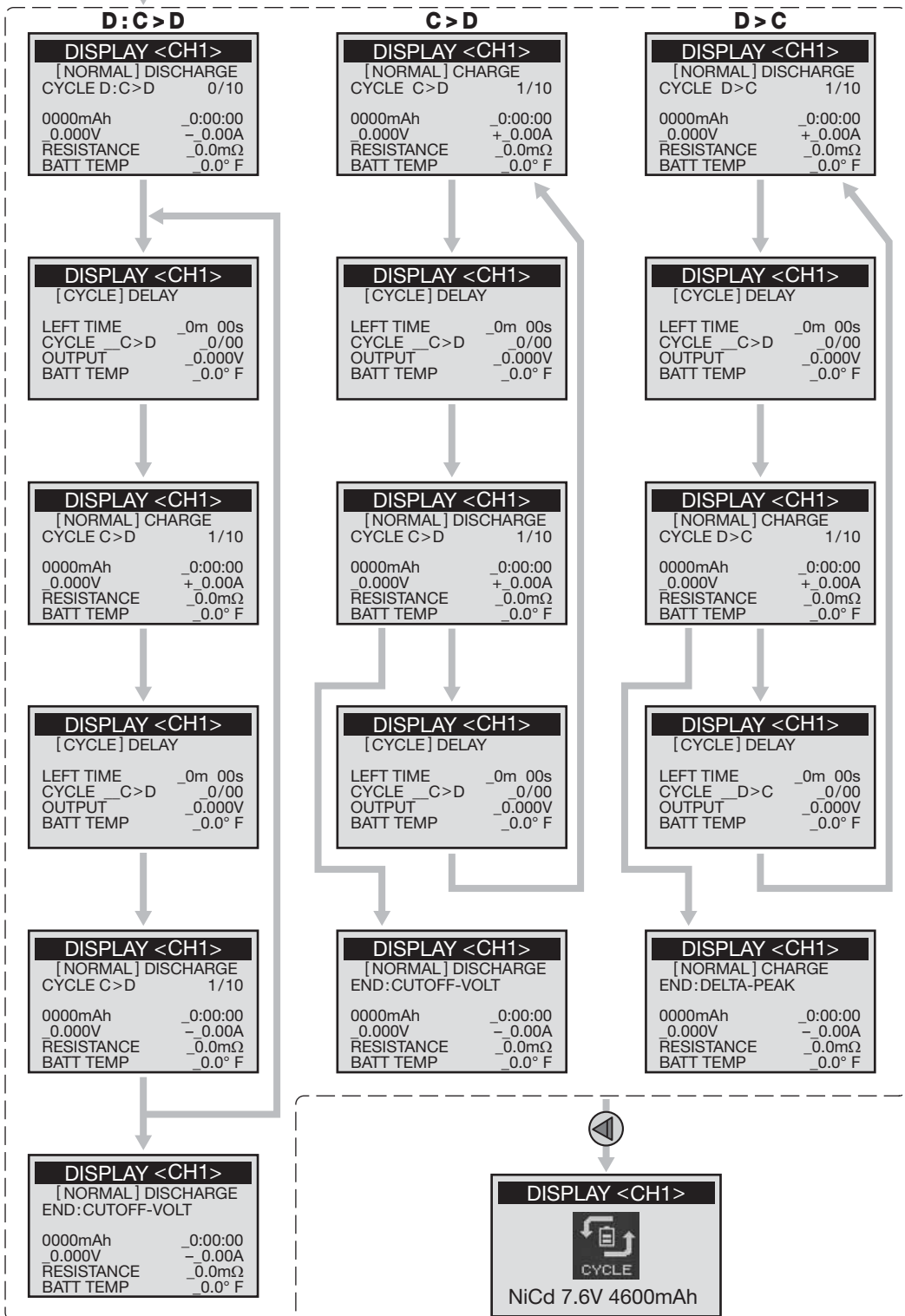
### Finish/END Displays:

- “END : DELTA-PEAK”
- “END : ZERO-PEAK”
- “END : CC/CV”
- “END : CUTOFF-VOLT”
- “END : TEMPERATURE”
- “END : CAPACITY”
- “END : FLAT CHECK”
- “END : TIMER”
- “END : MATCHED”



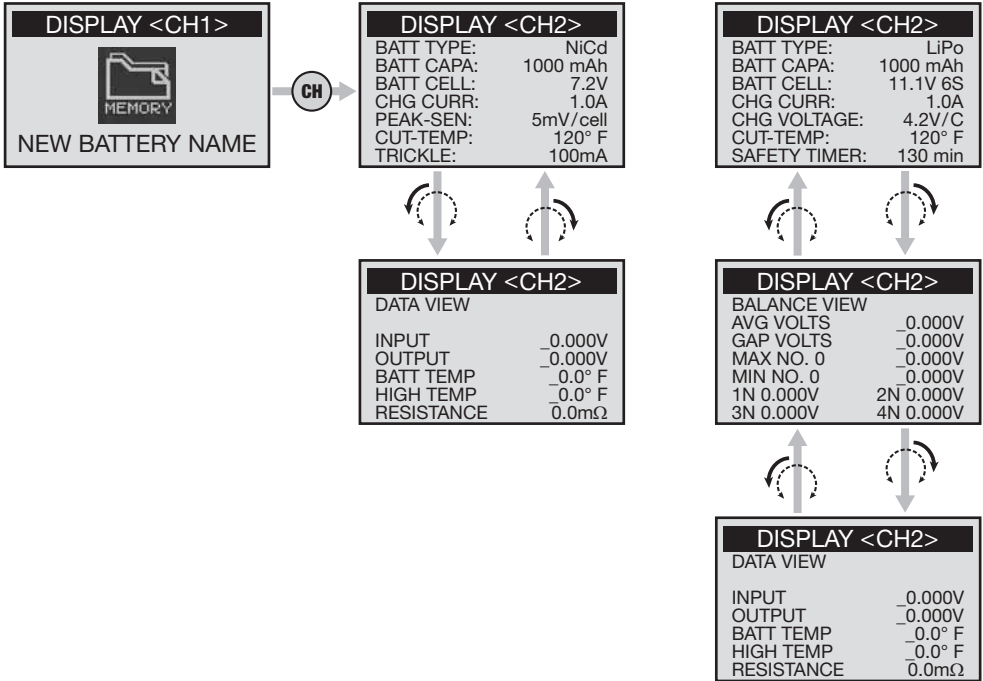
# CYCLE OPERATION MENU

**DISPLAY <CH1>**  
  
 NiCd 7.6V 4600mAh

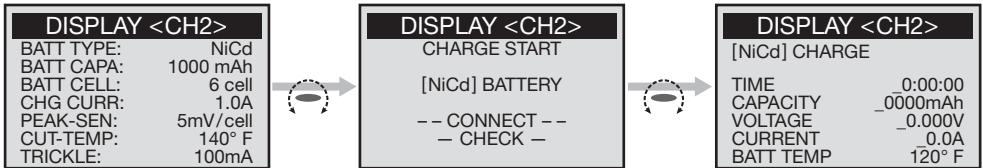


# OUTPUT 2 MENU/CHARGE FLOW

## 1. OUTPUT 2 CHANNEL SELECT

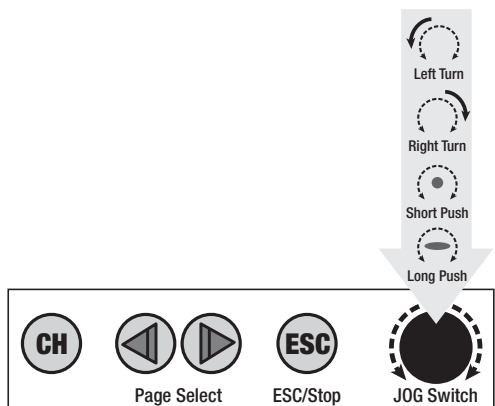


## 2. CHARGE START



## 3. CHARGE OPERATION DISPLAY

DISPLAY <CH2>	
[Normal] CHARGE	
END: DELTA-PEAK	
TIME	0:00:00
CAPACITY	_0000mAh
VOLTAGE	_0.000V
CURRENT	_0.0A
BATT TEMP	120° F





# ERROR MESSAGES

[ INPUT VOLTAGE ]  
 \* The present input voltage is  $_{0.00}V$ .  
 \* Please check the input voltage.  
 \* The input voltage must be 11-15V.

✓CH1 CH2

[ NO BATTERY ]  
 \* A battery is not connected to the output.  
 \* Please connect the battery to the output then restart.

✓CH1

[ REVERSE POLARITY ]  
 \* A battery is connected to the output in reverse.  
 \* Please correctly connect the battery to the output.

CH2

ERROR CHANNEL

[ BALANCE CONNECTOR ]  
 \* The balance connector is connected to charger in NiXX mode.

✓CH1 CH2

[ SHORT CIRCUITED ]  
 \* Output short-circuited.  
 \* Please check the output.

✓CH1 CH2

[ LOW OUTPUT VOLTAGE ]  
 \* Output voltage is lower than the selected cells or voltages.

✓CH1 CH2

[ OPEN CIRCUIT ]  
 \* A battery is disconnected during an operation.  
 \* Please reconnect the battery and restart!

✓CH1 CH2

[ TEMPERATURE SENSOR ]  
 \* A temperature sensor is connected in reverse or is defective.

✓CH1 CH2

[ BAT. TEMP TOO LOW ]  
 \* Battery temp is too low to be operated!

OUTPUT  $_{0.000}V$   
 BATT TEMP  $_{0.0}^{\circ}F$

✓CH1 CH2

[ HIGH OUTPUT VOLTAGE ]  
 \* Output voltage is higher than the selected cells or voltages.

✓CH1 CH2

[ INTERNAL TEMP ]  
 \* Internal tem is too hot!  
 \* Contact Hobby Services if this message appears often.

✓CH1 CH2

[ DATA COMMUNICATION ]  
 \* Something is wrong with the internal circuit.  
 \* Contact Hobby Services.

✓CH1 CH2

[ BAT. TEMP TOO HIGH ]  
 \* Battery temp is too high to be operated!

OUTPUT  $_{0.000}V$   
 BATT TEMP  $_{0.0}^{\circ}F$

✓CH1 CH2

[ BAL. VOLTAGE LOW ]  
 \* Balancer cells voltage is too low!!  
 Low cell is [00]  
 Voltage: 0.300V

✓CH1 CH2

[ CALIBRATION DATA ]  
 \* Either calibration data or internal circuit might have been damaged.

✓CH1 CH2

[ BAL. VOLTAGE HIGH ]  
 \* Balancer cells voltage is too high!!  
 Low cell is [00]  
 Voltage: 0.300V

✓CH1 CH2

[ NO TEMP. SENSOR ]  
 \* A temp-sensor is not connected to the port.  
 \* Please connect the the temp-sensor to the port then restart!

✓CH1 CH2

[ CONNECTION ]  
 \* Selected cells and cells connected to the balancing port are different!  
 \* Please recheck and restart!

✓CH1 CH2



## **ALSO AVAILABLE FROM TRAKPOWER**

**TKPC0265....LIPO 2S 7.4V 4400 50C SHORT**  
**TKPC0270....LIPO 2S 7.4V 6200 50C**  
**TKPC0390....LIPO 2S 7.4V 5600 60C**  
**TKPC0420....LIPO 2S 7.4 5400 60C SP**  
**TKPC0450....LIPO 4S 14.8V 5600 60C**  
**TKPC0455....LIPO 6S 22.2V 3400 60C**  
**TKPC0460....LIPO 1S 3.7V 6400 70C**  
**TKPC0465....LIPO 2S 7.4V 6800 70C**  
**TKPC0485....LIPO 4S 14.8V 6800 70C**  
**TKPC8001....SPEED WASH NITRO CLEANER 32OZ**  
**TKPC8003....SPEED PREP CAR DETAILER 32OZ**  
**TKPC8006....KRYTECH LUBRICANT 4 FL OZ**  
**TKPC8008....WATERPROOF GEAR GREASE 2 FL OZ**  
**TKPP5500....12V 25A RACING POWER SUPPLY**  
**TKPP5505....DPS 25A RACING POWER SUPPLY**  
**TKPP5610....2S BALANCE LEAD DEANS**  
**TKPP5612....4S BALANCE LEAD DEANS**  
**TKPP5614....6S BALANCE LEAD DEANS**  
**TKPP5618....BALANCE LEAD BANANA TO 4MM**  
**TKPP5620....VR-1 BALANCE BOARD TRAKPOWER**  
**TKPP5621....VR-1 BALANCE BOARD THUNDERPOWER**  
**TKPP5630....DPS DOUBLE GOLD CONNECTOR 4MM**  
**TKPP9000....INFRARED TEMP GAUGE STOPWATCH**  
**TKPQ2000....PREMIUM FLAT HD SCREW SET(130)**  
**TKPQ2001....PREMIUM BUTN HD SCREW SET(130)**  
**TKPQ2005....PREMIUM SET SCREW SET (70)**  
**TKPR0950....TK950 SOLDERING STATION**