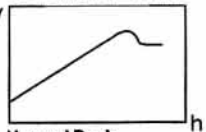


# INDI 16X5v6 Computerized Charger

Thank you for your purchase. This is the most advanced charge / discharge system for Ni-Cd & Ni-MH batteries. Our exclusive battery internal resistance detection accurately calculate battery IR in realtime during charging, discharging & cycling. New V6 software also allow users to set trickle charge on/off, store 10 battery profiles, recall last battery charge and discharge data, select 6 different ring tones, handle 1 to 10 cells with high performance switching circuitry, select partial charge, set auto timer for repeak, boost battery before race...etc. The unit may seems complicated at first but once you start using it, you will find it very user friendly. The following user guide will be very helpful for both expert users and beginners.

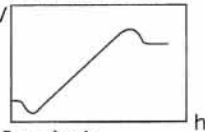
## NEW FUNCTION

### NORMAL PEAK



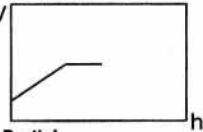
**Normal Peak**  
Use this mode for all standard charging applications. You can setup the unit to perform one peak or two peaks. You can setup the auto repeak delay time within the USER SETUP MODE. To turn off the 2nd peak, set the repeak delay time to zero.

### FUZZY LOGIC



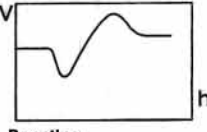
**Fuzzy Logic**  
This charge mode is especially useful for packs with a partial charge. The unit would first discharge your pack according to your preset discharge rate and then fully charge your pack.

### PARTIAL ..



**Partial..**  
Use this mode only for Ni-MH cell(s). Certain Ni-MH batteries require a partial charge for long term storage. You can program the amount of partial charge in the USER SETUP MODE. 10 to 30% usually good for Ni-MH battery.

### BOOSTING ..



**Boosting..**  
This mode is developed for racing application. You can get the most capacity and power from your batteries using this boosting function. The unit first partially discharge your pack momentarily follow by a preprogrammed fast charge, this increase battery temperature as well as it's overall voltage output. We suggest that you only use this boosting feature when your pack is cool. Never use the Boosting function when your pack is still warm.

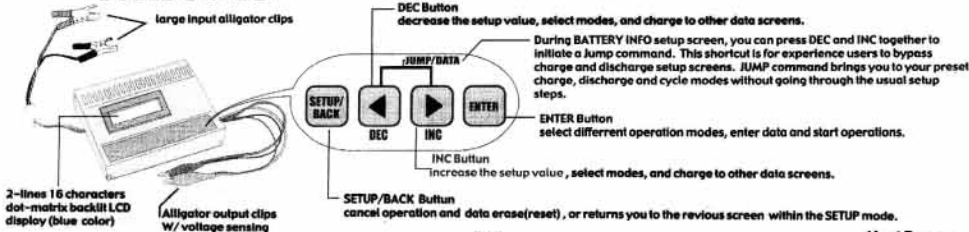
## SPECIFICATION

ADD Specification	2X16 Characters INDIGO blue backlit LCD display
LCD	Surface Panel Type
BUTTONS	mOhm
Battery IR	On/Off 1-60 Minutes (1 minute step)
Auto Repeak	10-50% (10% step)
Partial Charge	6 Ring Tones (user selectable)
Alarm Sound	
Case Size	6.14" x 4.80" x 1.77" (15.6x12.2x4.5cm)
Weight	24.54ounces(695g)
Input Voltage(Power Source)	11.5-15 Volts DC
Charge Battery Capacity	50-6000mA (50mA step)
Charge rate(Super linear)	0.1-7.0A(0.1A step)
Auto Trickle	ON/OFF Auto Trickle Value
Discharge Rate	0.1-20.0A(0.1V step)
Volt Threshold	3-20mV/cell for Ni-CD, 3-15mV/cell for Ni-MH,
Cycle Number	1-9 times (1 time step)
Delay Time For After Charge	1-10 Minutes (1 Minutes step)
Delay Time For After Discharge	1-60 Minutes (1 Minutes step)

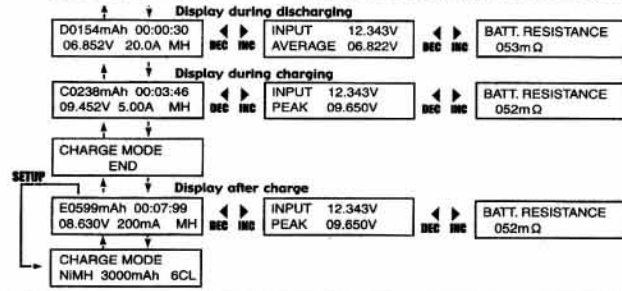
## LCD Display

Charge mode	During charge	Charge or Discharge capacity	Charge or Discharge time	Output Battery Voltage	Charging Current (Discharge Current)	Slow charging current	Input Voltage	Peak Voltage	Average Voltage (0.000V)	Battery Resistance (mΩ)
Charge mode	During charge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Discharge mode	During discharge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Cycle mode	During initial discharge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	During discharge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	During charge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	After charge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	After discharge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	After test discharge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Data		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

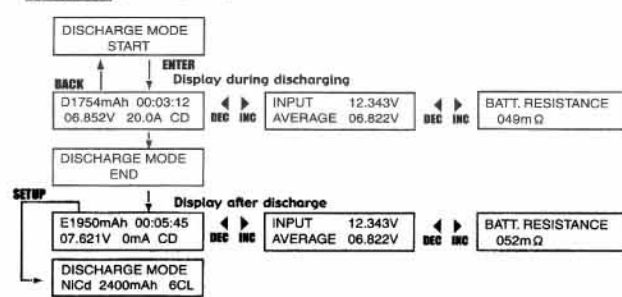
## FEATURES



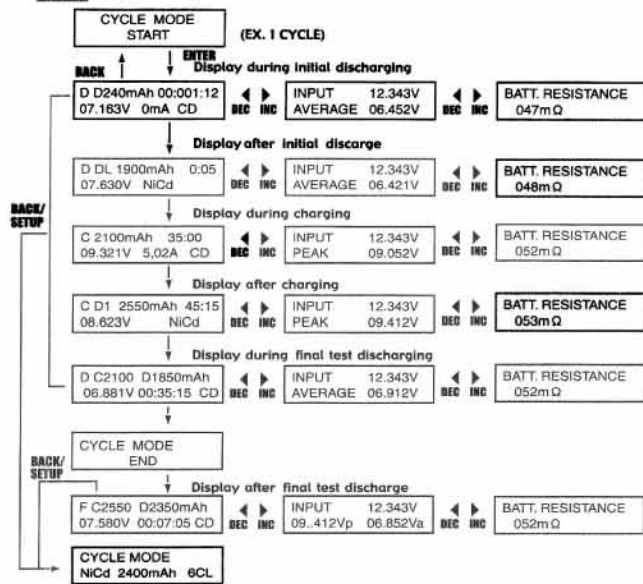
**BOOSTING** Boosting.. This mode is developed for racing application. You can get the most capacity and power from your batteries using this boosting function. The unit first partial discharge your pack momentarily follow by a preprogrammed fast charge, this increase battery temperature as well as it's overall voltage output. We suggest that you only use this boosting feature when your pack is cool. Never use the Boosting function when your pack is still warm.



## DISCHARGE (Discharge Start)



## CYCLE (Cycle Start)



## DISPLAY RESULT

You can push DEC and INC together to access a special screen. This screen save previous battery charge and discharge information, data is available until power source is disconnected.

INPUT	12.343V	PEAK	09.458V	CHG CAP.	3486mAh	BATT. RESISTANCE	
OUTPUT	07.899V	AVERAGE	06.822V	DCH CAP.	3242mAh	052mΩ	