FEATURES & SPECIFICATIONS

- Charges "AA", "AAA ", "C", "D', or 9V size battery cells.
- Will fully charge your rechargeable batteries regardless of the batteries capacity.
- Charges either rechargeable NiMH or NiCD battery cells.
- Built-in Microprocessor controller with Trickle Charge
- Built-in Conditioner for Discharging NiMH or NiCD Batteries
- Current Sensing IC switches to Normal Charge Cycle after Conditioning
- Also has Selectable Conditioning Cycle. Use only when needed.
- Two or Four Cell Charging -Two independent charging and discharging circuits
- Capable of simultaneous charging and /or discharging.
- 0deltaV and 0deltaT based detect circuitry .
- AA, AAA, C, D Charge Current : Constant Pulse 800mA
- 9V Charge Current : Constant 13mA
- Trickle Charge Current : 1/10 of the constant pulse current
- AA, AAA, C, D Discharge Current : 300mA
- Unit has a protective spring loaded plastic lid. Helps protect unit from spills while charging.
- Power Supply input Voltage required : 12VDC 800mA
- AC Adapter Included : Adapter Input 120V AC ~60Hz - Output: 12v DC 800mA
- Total Weight with AC Adapter : 33.2 OZ. - Without AC adapter 16.5 OZ.
- Dimensions : 5.75" W x 8" D x 2.75" H (148mm x 203mm x 75.5mm)
- Consumer Warranty : 1 Year from date of purchase
- 90 Day Warranty For Commercial Use.

ALLTEK™

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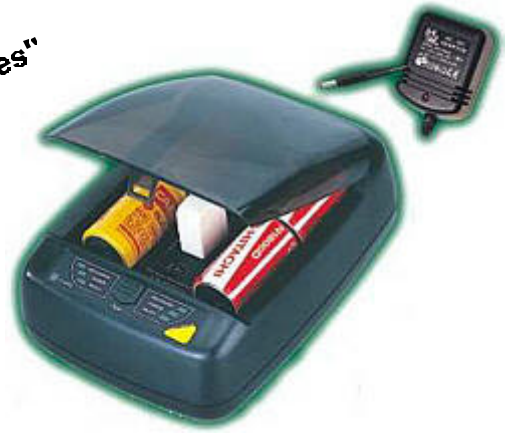
ALLTEK™

OPERATING INSTRUCTIONS

AT-5798 PRO

"Professional Series"



AT-5798 PRO Intelligent Charger

Congratulations on your purchase of the all new ALLTEK ™ AT-5798 PRO Microprocessor Controlled Ni-MH / Ni-CD Battery Charger. The AT-5798 PRO Charger is capable of charging and discharging 2 or 4 batteries of different types and sizes regardless of capacity. Up to 2 pcs of 9V rechargeable Ni-MH / Ni-CAD batteries can also be charged.

The AT-5798 PRO features a built-in discharge and deep conditioning function to ensure all batteries work at their optimum capacity. The "Intelligent" microprocessor checks the voltage (-V and +V) , and terminates the charging process and switches into trickle mode automatically. The LED Indicators on the 2 outside banks will glow RED while the AT-5798 PRO in in the charge mode, and then will glow green when the charge mode has completed and the unit has switched to trickle mode—all automatically. While the unit is in trickle mode the AT-5798 is charging at 1/10th of the constant pulse rate. The 9V charge current is a constant 13 mA pulse rate. The LED for each 9V battery will glow red while the 9V batteries are charging. A 160mA 9V battery will require roughly 13—14 (13 mA x 13 = 169 mA) hours charge time hours before reaching a full charge, after which time you may remove the 9V batteries from the charger for use.

GENERAL PRECAUTIONS

- Charge only NICD or NiMH type rechargeable batteries only. **Attempting to charge any other type of rechargeable batteries will seriously damaged your charger and can cause the batteries to explode causing injury.**
- Always place battery cells with the positive tip facing top.
- Do not mix battery types or sizes in the same bank.
- Do not short the charging terminals.
- Do not expose the charger to rain, water, or moisture to avoid the risk of fire or electric shock.
- Do not operate the charger if it appears damaged in any way.
- Failure to follow the above General Precautions will void your Warranty.
- Always allow your batteries to rest for at least 15 minutes after removing them from your charger before using them in any equipment.

CHARGING INSTRUCTIONS

The AT-5798 has two independent charging banks. One bank is located on the left of the charger and the second bank is located on the right side of the charger. The two banks are separated by 2 slots for charging 9V type NiMH or NiCD batteries in the middle of the charger.

Charging AA, AAA, C or D Size Batteries

You can automatically charge any two AA, AAA, C, or D size NiMH / NiCD batteries in each of the two outside banks as long you follow the instructions below :

- Both batteries placed in each bank must be of the same type and capacity. You can not mix battery types and capacities in **each individual bank**. You can however charge different sizes of batteries in **each separate bank**. For instance you can charge AA batteries in **Bank One** while charging AAA, C, or even D batteries in **Bank Two** , etc… Two batteries are required in each bank.
- While the batteries are charging the LED indicators on the front of the charger will glow **RED**. Once the batteries have completed their charge cycle the same LED indicators will glow **GREEN** denoting that the batteries are now on trickle charge and that the batteries have completed their charge cycle. You may leave the batteries on trickle for an added extra topping off charge or just to maintain them in a fully charged state until you need them. Please note that you should not leave your batteries in the

CHARGING INSTRUCTIONS (continued)

charger once you have unplugged the unit. This will cause the batteries to discharge. So if you unplug your charger be sure to remove the batteries.

Charging 9V Size NiMH / NiCD Batteries

The AT-5798 PRO is designed to charge up to two 9 Volt NiMH or NiCD batteries at a time.

Insert your 9V battery into either 9V battery slot being careful to match the proper connector on the charger to thje connector on your battery. Once the 9V battery is properly inserted the LED indicator in front of the 9V slot will glow **RED** while the battery is charging. The 9V charging cycle is not automatic and you will need to remove your 9V battery once the battery has been fully charged depending on your calculation.

Below is an example on how to calculate 9V charging times.

Example: Your 9V Battery is rated at 160 mAH and the AT-5798 PRO charges 9V batteries at a constant 13 mA pulse rate. So to calculate your charge time you will divide your 160 mAH battery capacity by the 13 mA charge rate and the result will be approximately 12.5 hours. So to assured of a full charge you should allow 13– 14 hours. Please note that it is safe to allow the 9V NiMH batteries to charge up to 20 hours or more without any overcharging concerns.

BATTERY INFORMATION

All New NiMH batteries require charging before their first use. Batteries are not shipped charged, however some may have a small amount of charge from the factory.

NiMH rechargeable batteries usually require at least 3 to 5 uses before they will be at full potential and capacity. By uses we mean the actual charge and discharge cycle as you normally use them in your equipment. **Do not fully charge your batteries and then discharge the fully charged batteries in your charger. Just use them as you normally will.** Basically you are breaking them in to your equipment and the more you use them the better they function. So do not be alarmed if the first few times you charge and use NEW NiMH batteries they seem to discharge quicker than expected.