



A4

智能充电器操作说明书

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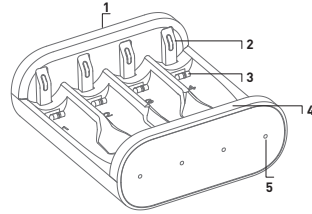
深圳艾斯特创新科技有限公司



感谢您购买ISDT A4充电器
为确保安全和良好的用户体验,在使用本产品之前,请阅读这些说明和警告。
1.请勿使用非充电电池;
2.使用过程中确保充电器远离热源及潮湿环境,并注意通风散热;
3.切勿让儿童玩耍电池及充电器。

产品规格
型号: A4
输入: DC 5~9V/1.5A
最大输出功率: 10W
最大充电电流: 1.00A/槽
电池尺寸: AAA, AA, 10500, 12500
电池类型: NiMH, NiCd, Li-Ion, LiFePO4
工作温度: -10°C ~ 40°C
尺寸: 59 × 63 × 25毫米
重量: 36克

操作指引



1. Micro USB 电源输入及电脑连接端口
2. AA电池负极触片
3. AAA电池负极触片
4. 电池正极触片

A4最多可为任意组合的四颗AA或AAA电池充电
1. 确保电池的正极和负极与充电器的正极和负极匹配;
2. 将本产品Micro USB接口与5-9V直流电源(手机适配器或电脑USB均可)连接,给电池充电;
3. 充电指示灯(橙色、紫色)慢闪表示正常充电,充电指示灯绿色常亮表示对应电池已经充满。

LED指示灯说明

正常充电	对应指示灯闪烁
	NiMH/Cd: 橙色 Li-Ion/LiFePO4:紫色
	电池电量<25%: 单闪
	电池电量25%~75%: 双闪 电池电量75%~99%:三闪
充满	对应绿色指示灯常亮
充电异常	红色指示灯:
	单闪: 电池内阻过大或误装一次性电池
	双闪: 电池充电温度过高或过低
	三闪: 电池充电容量超限或充电时间过长 常亮: 通道硬件故障, 无法充电

系统故障说明

设备上电后自动进行自检,在自检过程中各通道的指示灯(白色)依次点亮熄灭。
自检正常——所有指示灯全部熄灭;
自检异常——指示灯(红色)提示异常类型,具体异常类型见下表。

系统故障说明

通道1	通道2	通道3	通道4	系统自检错误类型
闪烁	灭	灭	灭	超出使用温度极限
闪烁	闪烁	灭	灭	输入电压超出范围
闪烁	闪烁	闪烁	灭	设备故障, 无法正常工作
闪烁	闪烁	闪烁	闪烁	设备固件异常, 请更新固件

如果设备一直处于待机状态(无电池装入),指示灯(白色)每隔5s闪烁一次。

故障排除

现象	可能原因	处理方法
电池接入 指示灯不亮	电池安装不到位,或电池装反	将充电电池正确装入
	电池与充电器接触不良	用干布或棉签擦拭接触点的污垢
充电时间过长	输入电源功率不足	建议使用5V/1A及以上功率电源

产品合格性声明

A4智能充电器符合相关的CE指令以及FCC第15章B: 2010相关指令。

测试标准	结果
EN 61000-6-3:2007 + A1:2011	符合
EN 61000-6-3:2007	符合

说明书中有此标志的电子产品,在处理时,请务必与家庭垃圾分开处理。请将报废的充电器拿去附近的垃圾收集中心或者循环使用中心。

如对艾斯特产品有任何疑问, 欢迎联系当地代理商或发邮件到 hi@isdt.com
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Smart Charger Operating Instructions

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Shenzhen ISD Technology CO.,LTD

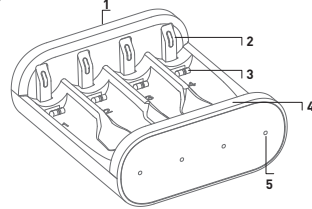


Thank you for purchasing the ISDT A4 charger.

For safety and a better user experience, please read this manual and follow the instruction before using your new charger.
1. Never charge a non-rechargeable battery.
2. Keep the charger away from humidity and high temperature while charging, and ensure the cooling fan heats sinking smoothly.
3. Do not let children play with any batteries and chargers.

Specification
SMART CHARGER A4
Input: DC 5~9V/1.5A
Max charging power: 10w
Max charging current: 1.00A/slot
Battery size: AAA, AA, 10500, 12500
Battery types: NiMH, NiCd, Li-Ion, LiFePO4
Operating temperature: -10°C - 40°C
Dimensions (LXWXH): 59X63X25mm
Weight: 36g

Operating Introductions



1. Micro USB port for power input and PC connection port
2. AA Battery negative plate
3. AAA Battery negative plate
4. battery positive plate

A4 could charge at most 4 AA or AAA batteries with any combination.
1. Ensure to insert batteries into each slot according to the polarity marks on the slot.
2. Connect the A4 to a 5-9V DC power(phone power adapter or PC USB port) via its Micro USB port.
3. The orange and purple light blink slowly shows normal charging. And the green light always on means the charge completed.

LED indicator light introduction

normal	corresponding indicator light blink
	NiMH/Cd: orange light Li-Ion/LiFePO4: purple light
	Battery level less than 25%: single blink
	Battery level between 25% to 75%: double blink
Full charged	Battery level between 75% to 99%: triple blink
	corresponding indicator light always on
Abnormal	Red indicator light:
	single blink: internal resistance of battery is too high or charging a non-rechargeable battery by mistake
	double blink: The charging temperature is too high or too low
	triple blink: Battery charging capacity exceeds the limit or long-time charging
charge	Light always on: broken-down channel hardware, unable to charge

System failure description

The charger will auto-start to self-checking once power on. And the lights(white) of each channel will be on and off in turn. Self-checking succeed: all indicator light will be off
Self-checking failed: the red indicator light will remind the exception type, please check the following list for exception types.

System failure description

Channel1	Channel2	Channel3	Channel4	self-checking exception types
blink	off	off	off	exceeds the limit of operating temperature
blink	blink	off	off	Out of range of input voltage
blink	blink	blink	off	equipment failure, fail to work
blink	blink	blink	blink	exceptional firmware, please update it

If the charger stay in standby mode without battery inside, the white indicator light will be blink each 5s.

Clearing of fault

faults phenomenon	possible reasons	solution
Power on while the light is not bright	insert battery in wrong ways or battery reversal	Re-insert battery in correct way
	Battery is poor contact with the charger	Clean the contact point with dry cloth or cotton swab
too long time to charge	low-power input	Use more than 5V/1A input power

Product Qualification Declaration

A4 smart charger conforms to relevant CE command and relevant commands in B:2010, CHAPTER 15, FCC

Testing standards	Result
EN 61000-6-3:2007 + A1:2011	YES
EN 61000-6-3:2007	YES

For electronic products with this marking in their manuals, please separately dispose them with family garbage. When a charger gets spoiled and cannot be used anymore, please take it to a nearby garbage station or recycle center.

Any questions, please contact hi@isdt.co freely.
*The above photos and statement is for reference only. Please check our web for final confirmation: www.isdt.co
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