70mm 70mm 70mm 70mm 70mm 70mm 70mm 70mm

100mm

S.M.S.L

AD18

深圳市双木三林电子有限公司

安全注意事项

为了确保最好的性能，请仔细阅读本说明书，并妥善保管以备日后查阅。

警告

❶请将本音响系统安装在通风良好、阴凉、干燥、干净的位置，远离直射阳光、热源、振动、灰尘、潮湿或寒冷。

❷不要将本机从温度反差大的寒冷地方突然搬到温热地方，也不要将本机放置在非常潮湿的环境里（例如放置有加湿器的房间），以免本机内部结露。因为结露可能导致触电、火灾而损坏本机 或造成人身伤害。

❸本机的上面，请不要放置下列物品：
–其他装置。因为这样有可能会导致损坏或导致本机表面变色。
–可燃物品（例如蜡烛）。因为这样有可能导致火灾而损坏本机或造成人身伤害。
–装有液体的容器。因为有容器反倒，液体流淌的可能，如此有可能导致用户触电或损坏本机。

❹不要在本机上面覆盖报纸，台布，窗帘等，以免妨碍散热。如果本机内部温度过高，则有可能导致火灾，损坏本机或造成人身伤害。

❺不要使用化学溶剂清洗本机，否则会损伤表面涂层。请使用干净的布匹。

❻不要试图自行改造或修理本机。如果需要任何服务，请就近与有资格的双木三林维修人员联系。不管有任何理由，都没有打开机壳的必要。

❼如果打算长时间不使用本机（比如度假时），请从墙壁交流电源插座上断开电源线的连接。

❽搬动本机前，请从墙壁电源插座上断开电源线的连接。

❾请务必使用本机附带的AC适配器。使用附带的AC适配器以外的适配器可能导致火灾或损害本机。

❿为了加强对于本产品的保护，在雷电期间，或无人管理时以及长时间不使用时，请将电源线从墙壁上的电源插座上拔下。这样将防止该产品在闪电和电网出现电涌时受到损害。

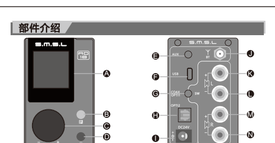
产品特点

AD18为多功能功率放大器和耳机放大器。具备六种输入分方式别为USB,同轴，模拟，蓝牙和两路光纤；
蓝牙采用高规格的蓝牙4.2方案；
功放采用了TI德州仪器的DSP+功放组合；
耳放采用了独立耳放电路；
内置双木三林专利音效SDB(SMSL Dynamic Bass)。
SDB介绍:
双木三林公司专业的音效。能有效的提升声音的还原度，此音效不只对低音进行提升。同时还会根据当前的音乐信号对高低音进行动态调节，以达到最佳的欣赏效果！

技术参数

输入方式:		USB/光纤*2/同轴/模拟/蓝牙
THD+N:	喇叭	0.04%
	耳机	0.008%
信噪比:	喇叭	90dB
	耳机	100dB
USB兼容性:		windows XP/7/8/8.1/10
位深:		24bit
采样率:	USB	44.1KHz-96KHz
	光纤、同轴	44.1KHz-192KHz
功放输出功率:	4欧	80W+80W
耳放输出功率:	32欧	53mW@THD=0.04%
	64欧	26mW@THD=0.02%
	150欧	11mW@THD=0.02%
功放消耗功率:		50W
待机功率:		0.8W

部件介绍



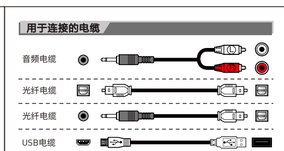
❶显示屏
❷遥控接收窗
❸功能按键/旋钮
❹耳机输出
❺模拟输入
❻USB输入
❼*3.5同轴/3.5光纤输入
低音输出
❽光纤输入
❾电源输入接口
❿蓝牙天线
⓫左声道输出正端
⓬左声道输出负端
⓭右声道输出正端
⓮右声道输出负端
⓯同轴输入
⓰低音输出

*注意 同轴输入 低音输出 接地

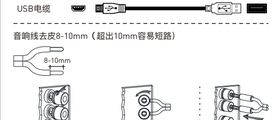
遥控器功能介绍

注意
第一次操作AD18时，先按A键。

用于连接的电缆



音响线去皮8-10mm（超出10mm容易短路）



操作说明

功能键在播放界面下长按关机，在菜单界面下，长按返回播放界面。短按切换菜单。

播放界面介绍
初次使用机器，长按功能按键开启设备进入播放界面（图1）

❶显示采样率。
（注：当启用静音时此处显示 MUTING；当无信号输入时此处显示 NO SIGNAL）
❷显示输入源。
❸此处显示音响模式和耳机模式，当使用前置耳机口时显示🎧，用音响播放时显示🔊。
❹音量大小显示。
设具备有断电记忆音量大小功能，当上一次关机时的音量大于20时，下次使用设备音量会自动降为20；当上一次关机时的音量小于8时，下次使用设备音量会自动升为8。
❺显示当前选择播放的EQ模式。
❻显示音频格式。

（图1）

主菜单
短按菜单键进入AD18菜单选项

输入方式→输出方式→EQ模式→低音调节→高音调节
显示屏亮度调节←显示颜色设置

输入方式菜单（图2）

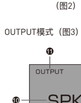
❼当前显示USB输入的方式进行播放，顺时针旋转菜单进入输入方式的切换，设备共有六种输入方式。

USB→OPT1→OPT2→COAX→BT→AUX

❽显示当前播放为USB输入。
❾设备共有六个菜单，当前表示菜单一。

（图2）

OUTPUT模式（图3）



（图3）

⓫设备有两种输出模式，分别是功放输出和耳机输出，顺时针旋转换。

SPK(喇叭)→HP(耳机)

⓬当前输出模式选择。

EQ模式菜单（图4）
❷设备有七种EQ模式，分别是顺时针旋转切换。

EQ-OFF→SDB→S-BASS→H-ROCK→L-ROCK
RAP←COUNTRY←JAZZ

❸当前菜单EQ模式选择。

（图4）

EQ手动调节菜单（图5/6）

（图5）

⓭手动调节高低音增益（顺逆时针菜单进行增大减小）。
调节范围为（-8dB—+8dB）

⓮当前为低音调节。

EQ手动调节菜单（图5/6）

（图6）

⓯当前为高音调节。

字体颜色更改（图7）

（图7）

⓱设备字体共有六种颜色可供选，旋转菜单按钮进行切换。

WHITE→RED→GREEN
PURPLE←YELLOW←BLUE

显示亮度更改（图8）

（图8）

⓲显示屏亮度范围为9级。

NFC连接说明

AD18带NFC功能，使用NFC功能时，请确保手机NFC已打开。
手机NFC区域与AD18 NFC区域贴合感应，AD18将会对手机进行识别。
注：使用NFC功能时，确保手机有NFC功能，如果没有将不能使用设备的NFC功能。

恢复出厂设置

机器在未通电状态下，按住开机键再通电，直到显示屏显示logo之后，松开按键。

等边三角形中有箭头闪电标号的图形表示警告使用者在产品内有非绝缘的"危险电压"，可能会对人体造成很大的电击危险。

等边三角形中有感叹号的图形表示警告使用者该设备在操作与维护（维修）方面应严格按照所附设备说明书。

仅适用于海拔2000m以下地区安全使用。

仅适用于非热带气候条件下安全使用。

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http://www.smsl-audio.com/

100mm

S.M.S.L

AD18

Shenzhen SHUANGMUSANLIN Electronics Co., Ltd.

Safety Notes

To assure the best performance, please read this manual carefully. Keep it in a safe place for future reference.

Warning

❶Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, or cold.

❷Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, or personal injury.

❸On the top of this unit, do NOT place:
-Other components, as they may cause damage or discoloration on the surface of this unit.
-Burning objects (i.e. candles) , as they may cause fire , damage to this unit , or personal injury.
-Do not cover this unit with a newspaper, tablecloth, curtain , etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, or personal injury.

❹Do not use force on switches, knobs, and/or cords.

❺Use a clean, dry cloth.

❻Do not attempt to modify or fix this unit. Contact qualified SMSL service personnel when anyservice is needed. The cabinet should never be opened for any reason.

❼When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect the power cable from the AC wall outlet.

❽Before moving this unit, disconnect the power cable from the wall outlet.

❾Be sure to use the AC adaptor supplied with this unit. Using an AC adaptor other than the one provided may cause fire or damage to this unit.

❿For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

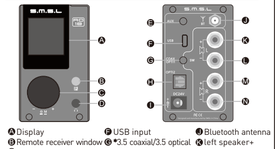
AD-18 Features

Ad18 is a multi-functional power amplifier with headphone amplifier. Up to six kinds of input including USB, coaxial, analog, bluetooth and two optical jacks.
Using the advanced CSR BT 4.2 as bluetooth solution.
Using DSP+AMP from TI .
Headphone amplifier adopts independent circuit.
Built-in SDB sound patented belongs to S.M.S.L.
SDB:
SDB sound which patented belongs to S.M.S.L, it improves the fidecity of sound. For the best sound effects, SDB is not only improve BASS, but also will adjust dynamic for bass and treble according to input source.

Specifications

Input:		USB/Optical*2/Coaxial/ AUX/Bluetooth
THD+N:	Speakers	0.04%
	Headphones	0.008%
SNR:	Speakers	90dB
	Headphones	100dB
USB compatibility:		windows XP/7/8/8.1/10
Bit depth:		24bit
Sampling rate:	USB	44.1KHz-96KHz
	Optical,Coaxial	44.1KHz-192KHz
Amplifier power:		4Ω 80W+80W
headphone amplifier power:		32Ω 53mW@THD=0.04%
		64Ω 26mW@THD=0.02%
		150Ω 11mW@THD=0.02%
Amplifier consumption:		50W
Standby power:		0.8W

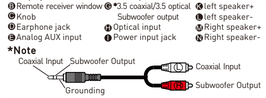
Part Names and Functions



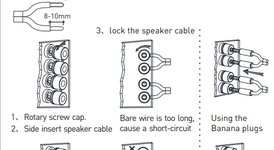
❶Display
❷Remote receiver window
❸Knob
❹Earphone jack
❺Analog AUX input
❻USB input
❼*3.5 coaxial/3.5 optical Subwoofer output
❽Optical input
❾Power input jack
❿Bluetooth antenna
⓫left speaker+
⓬left speaker-
⓭Right speaker+
⓮Right speaker-

*Note
Coaxial Input Subwoofer Output
Coaxial Input
Grounding
Subwoofer Output

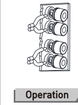
Cables used for connections



Bare wire length



Operation



Function Key: Long press to switch off unit. When menu display, Long press to return to desktop and short press to swiching menu.

Display screen illustration
please long-press function key when you boot this unit first time. power on machine into display screen [figure 1].

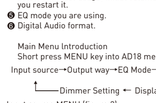
❶Sampling rate
Note: When the machine is muted. There will show 'MUTING'. It shows NO SIGNAL when without input.
❷Input source.
❸Speaker mode or headphone mode. When headphone is playing with, it shows 🎧.When speaker is playing with,it shows 🔊.
❹Volume
Ad18 featured with function of memorizing volume even machine power off. If volume was up to 20 in last time usage, initial volume will set as low as 20 when you restart it. If volume is below 8. in last usage, initial volume will set up as 8 itself when you restart it.
❺EQ mode you are using.
❻Digital Audio format.

Main Menu Introduction
Short press MENU key into AD18 menu

Input source→Output way→EQ Mode→Bass adjust→Treble adjust

Dimmer Setting ← Display Color setting

Input source MENU [figure 2]



[figure 2]

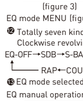
❼When it shows USB input, revolving MENU key clockwise into switch of input source. totally 6 input sources.

USB→OPT1→OPT2→COAX→BT→AUX

❽Display USB input you are playing.
❾AD-18 totally have six MENU, this is MENU ONE.

[figure 1]

OUTPUT mode [figure 3]



[figure 3]

⓫Device includes two outputs, power amplifier and headphone amplifier output. Clockwise revolving knob to switch.

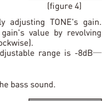
SPK(Speaker)→HP(Headphone)

⓬Output mode selection.

EQ mode Menu [figure 4]
❷Totally seven kinds of input mode. Clockwise revolving knob to switch.

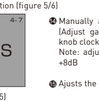
EQ-OFF→SDB→S-BASS→H-ROCK→L-ROCK
RAP←COUNTRY←JAZZ

❸EQ mode selected.



[figure 4]

EQ manual operation [figure 5/6]



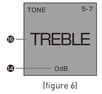
[figure 5]

⓭Manually adjusting TONE's gain. (Adjust gain's value by revolving knob clockwise).
Note: adjustable range is -8dB—+8dB

⓮Ajusts the bass sound.

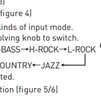
EQ manual operation [figure 5/6]

⓯Ajusts the treble sound.



[figure 6]

Font color change [figure 7]



[figure 7]

⓱There are six kinds of color for selection. Easily changing color by revolving menu knob.

WHITE→RED→GREEN
PURPLE←YELLOW←BLUE

Dimmer Setting [figure 8]

⓲Total dimmer level is 9。

[figure 8]

Factory Reset:

Long-Press power key without power input first, then power on the unit, until screen shows LOGO.

Remote controller

NOTE
Press A button before remote AD18 for the first time.

NFC connection instruction

AD18 build-in NFC function. Please make sure that your phone NFC is on when you connect with it.
Ad18 will recognize phone when phone NFC area get close and induce to AD18 NFC area.
Notes: Please make sure your phone get NFC before you want to use NFC function from this machine. Otherwise, it will be unable to use NFC function.

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