

O-NORUS

D3

Desktop digital amplifier

User manual

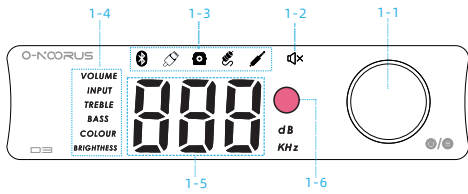
O-noorus (Shenzhen) Technology Co., Ltd.
http://www.o-noorus-audio.com

Thank you for purchasing Desktop Digital Amplifier! D3 is a high-performance desktop digital amplifier that supports AUX/Bluetooth/USB/COAX/OPTI input, Maximum output power up to 300Wx2@50V10A(4Q). We believe that D3 will give You bring HiFi music experience and fun. Now we recommend first to read this manual for you to correctly use all functions of D3.

Contents list

D3 host x 1
AC/DC power adapter x 1
AC cable x 1
User manual x 1
Antenna x 1
Note: You can download the user manual on
http://www.o-noorus-audio.com

Front Panel



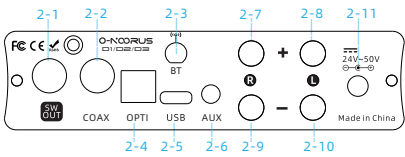
1-1 Power switch/main menu/submenu switching: long press to turn on and off; short press to switch to main menu. Turn the knob to select a submenu or adjust the volume.
1-2 Mute display, double-click the knob button to enter mute, double-click again to exit, or remote controlSilent control.

1-3 Input Display:

Bluetooth Input; OPTI Input; Analog Input;
USB Input; COAX Input;
1-4 main menu Display, short press to switch to the main menu, and rotate the knob to select the submenu:
VOLUME : Volume Display, Range 1~60, 1dB step.
INPUT : Audio source input switching.
TREBLE : Treble display, adjustment range -10dB ~ +10dB.
BASS : Bass display, adjustment range -10dB ~ +10dB.
COLOUR : Color theme display, 9 themes can be selected.
BRIGHTNESS : Display brightness 0~4 brightness selectable.

1-5 volume, treble and bass, color, brightness, etc display.
1-6 Infrared receiving window.

Rear Panel



2-1 Subwoofer output 2-2 Coaxial source input
2-3 Bluetooth antenna 2-4 Optical fiber input
2-5 USB source input 2-6 AUX analog input
2-7 Right channel output positive .
2-9 Right channel output negative.
2-8 Left channel output positive.
2-10 Left channel output negative.
2-11 Power input: DC24V~50V input.

Specification

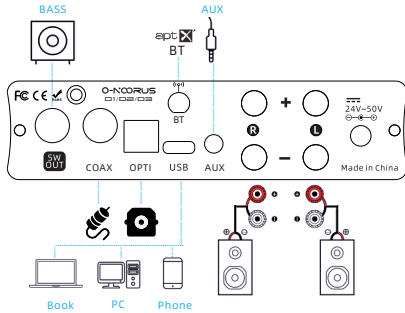
Measured	170mm x 120mm x 38mm
Weight	560g
Signal input	BT/USB/Optical/Coaxial/Analog AUX
Signal output	PBTL mode , speaker terminal
Power parameters	DC24~50V (DC 5.5*21)

Parameter

	USB	AUX	BT/COAX/OPTI
THD+N @1kHz	<0.033%@4Q 5W	<0.034%@4Q 5W	<0.045%@4Q 5W
THD @20~10kHz	<0.045%@8Q 5W	<0.0450%@8Q 5W	<0.055%@8Q 5W
SNR @MAXOUT 1KHz	99dB	101dB	103dB
Dynamic@1kHz	102dB	105dB	102dB
Noise @1kHz	<255uVrms	<273uVrms	<273uVrms
channel Crosstalk @1kHz	-96dB	-96dB	-90dB
Input sensitivity	1.72Vrms	0.92Vrms	0.87Vrms
Gain	30dB	28dB	30dB
channel balance	0.5dB	0.5dB	0.5dB
Frequency Response	20Hz~40khz	20Hz~40khz	20Hz~40khz
Adaptation Impedance	4~8Ω	4~8Ω	4~8Ω
Output Power	300W x 2 @4Q 50V10A THD+N<10%		
	200W x 2 @8Q 50V10A THD+N<10%		
	200W x 2 @4Q 36V10A THD+N<10%		
	130W x 2 @8Q 36V10A THD+N<10%		

Wiring Instructions

Wiring instructions D3 has five signal inputs, which can be switched through the buttons on the front panel or the remote control.



Attention: The connection between D3 and the speaker must be correct. L + to the red Jack(+ in) of the left speaker, L- to the black Jack(-in)ofthe left speaker. Connection to the right channel is the same. Please ensure that step is correct before proceeding to the next step.
D3 is a amplifier with PBTL output, the L- /R- jack are separate, they are not connected to the ground or a same point. So if you make a mistake at this step, maybe it will cause serious damage to D3.Warranty is void when user's error connection led to a damage.

O-NORUS

D3

桌面式数字功放

使用说明书

欧诺诗（深圳）科技有限公司
http://www.o-noorus-audio.com

感谢您购买欧诺诗D3桌面式数字功放!

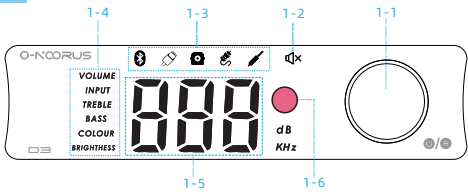
D3是一款高性能的桌面式数字功放，支持蓝牙APT-HD、模拟信号，USB，光纤，同轴输入，外观简洁新颖。最大输出功率可达300Wx2@50V/10A/4Q，小小的身躯蕴含着大大的能量!我们相信D3会给您带来HIFI的音乐体验和乐趣。现在我们建议您先阅读本说明书，以便您正确使用D3的所有功能。

包装内物品清单

D3主机 x 1
AC/DC适配器 x 1
AC电源线 x 1
产品说明书 x 1
天线 x 1
遥控器 x 1
数据线 x 1

说明:o-noorus产品的电子档说明书可以到
http://www.o-noorus-audio.com 下载。

前面板



1-1电源开关/主菜单/子菜单切换:长按开机、关机；短按切换主菜单，旋转旋钮选择子菜单或者调节音量。
1-2 静音显示，双击旋钮按键进入静音，再次双击退出，或者遥控静音控制。

1-3 音源输入显示:

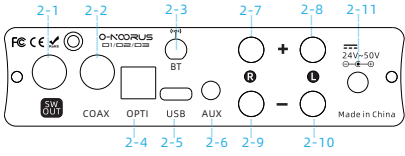
蓝牙输入; 光纤输入; 模拟AUX输入;
USB输入; 同轴输入;

1-4 主菜单显示,短按切换主菜单，旋转旋钮选择子菜单:

VOLUME : 音量显示，显示范围1~60，1dB每一步。
INPUT : 音源输入切换。
TREBLE : 高音显示，调节范围-10dB ~ +10dB。
BASS : 低音显示，调节范围-10dB ~ +10dB。
COLOUR : 颜色主题显示，9种主题可以选择。
BRIGHTNESS : 显示亮度 0~4亮度可以选择。

1-5 音量、高低音、颜色、亮度等主界面显示。
1-6 红外接收窗口。

后面板



2-1 低音炮输出 2-2 同轴音源输入
2-3 蓝牙天线 2-4 光纤音源输入
2-5 USB音源输入 2-6 AUX模拟输入
2-7 功放右声道输出正极插座:连接右音箱正极。
2-9 功放右声道输出负极插座:连接右音箱负极。
2-8 功放左声道输出正极插座:连接左音箱正极。
2-10 功放左声道输出负极插座:连接左音箱负极。
2-11 电源输入:DC24V~50V 输入

产品规格

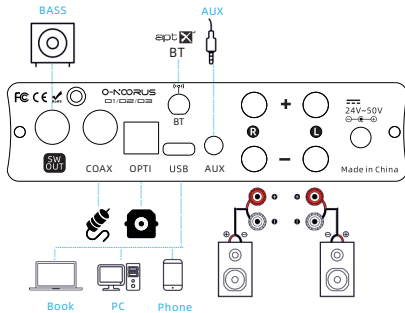
尺寸	170mm x 120mm x 38mm
重量	560g
输入方式	蓝牙/USB/光纤/同轴/模拟AUX
输出接口	BTL模式输出，香蕉插头、低音炮输出
电源参数	DC24~50V (DC座5.5*21)

性能参数

	USB	AUX	BT/COAX/OPTI
总谐波失真 @1kHz	<0.033%@4Q 5W	<0.034%@4Q 5W	<0.045%@4Q 5W
总谐波失真 @20~10kHz	<0.040%@4Q 5W	<0.045%@4Q 5W	<0.05%@4Q 5W
信噪比 @MAXOUT 1KHz	99dB	101dB	103dB
动态范围@1kHz	102dB	105dB	102dB
底噪	<255uVrms	<273uVrms	<273uVrms
声道串扰@1kHz	-96dB	-96dB	-90dB
输入灵敏度	1.72Vrms	0.92Vrms	0.87Vrms
增益	30dB	28dB	30dB
声道平衡度	0.5dB	0.5dB	0.5dB
频率响应	20Hz~40khz	20Hz~40khz	20Hz~40khz
适配阻抗	4~8Ω	4~8Ω	4~8Ω
输出功率	300W x 2 @4Q 50V10A THD+N<10%		
	200W x 2 @8Q 50V10A THD+N<10%		
	200W x 2 @4Q 36V10A THD+N<10%		
	130W x 2 @8Q 36V10A THD+N<10%		

接线说明

接线说明D3有五路信号输入，可通过前面板的按钮或者遥控器进行切换选择。



请注意:务必按照图一所示连接功放与音箱:正极(红色座)对应音箱的正极(红色座)，负极(黑色座)对应音箱的负极(黑色座)。请务必确认左右声道一一对应。功放是BTL输出，黑线(负极)并非像传统功放一样是地线，因此并不能公用或者接地，也不能接串(例如用左声道正极与右声道负极去接一个音箱)，否则会对功放造成严重的损坏。连线错误导致功放故障属用户使用不当，恕我们不能对此种情况的损坏提供保修服务。

trouble shooting

Phenomenon	Cause	Solutoin
No sound	A80 did not power on	Check the power connection and is the adapter light on
	Signal input selection error	Toggle the signal selection switch
	The audio cable is not connected properly	check and reconnect it
	Mute the source device	Unmute the source device
Abnormal sound	The positive and negative are reversed	check and correct
	Poor contact of output wire	Reconnect the output wire
	Poor contact of input line	Reconnect the input cable
	Amplifier output overload	Turn the potentiometer audio down

Precautions for daily use

- Any connections must refer to this user manual.
- Ensure the output jack, including speaker L+, L-, R+,R- do not short circuit or connect to ground.
- Whether you need to connect or disconnect a cable, please turn off D3 first.
- To cut the power of AC adapter, please turn off D3 first, then pull out the power cable or cut the power of adapter.
- You must not keep the amplifier in a hot, humid environment or drop it.
- Opening the case instantly voids the warranty!
- In case before liquid is spilled into the machine, turn off the power immediately and check the device inspected by a professional before further use.
- Use o-noorus AC adapter only.
- Maintain the volume so no distortion will have much better listening experience
- Indoor use only.

About the weak current feeling on the aluminum case

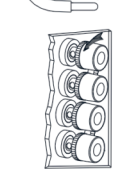
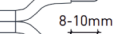
In some very special case, some people could feel very weak current on the aluminum case.The reason for this phenomenon is due to the electro magnetic interferencesuppression component in AC adapter which built a necessary circuit between the primary and secondary This weak current is controlled strictly within the limits of securitystandards required of, and the production of this productin the factory have passed the strict quality inspection, so you can feel free to use it.

Warranty

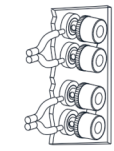
- Warranty Terms
The term of service O-NORUS (Shen zhen) Technology Co., Ltd. promises good quality products. If the product is defective by normal use within 7 days after purchasing, the customer can chose to send it back for returning or repairing (only the product does not affect the secondary sales can be returned). Faulty for free within one year warranty normal use.
- Date of purchase is in accordance with the date on invoice or receipt used by seller on line shopping can show the screen shot of trade.
- Following situation can not enjoy "Three Guarantees service"
a.All damages by human factors,including use it undernon-normalworking environment the and not follow manual in structions.
b.User privately disassemble, modification, maintenance.
c.Use non-designated or approved accessories cause damage
d.QC or warranty stickers damage on cabinet.
e.Can not provide a valid purchasing prove.
f. Not belong to o-noorus product.
- Howto quarantee These terms only suitable for China mainland,other region please refer to the policy of the local sales agents and nations.

Audio wiring method

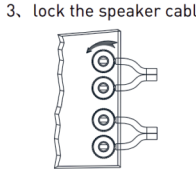
Bare wire length



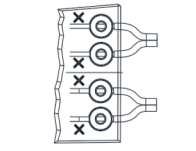
- Rotary screw cap.
- Side insert speaker cable



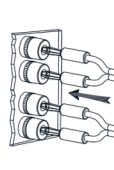
[CORRECT]



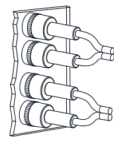
- lock the speaker cable



Bare wire is too long cause a short-circuit



- Using the Banana plugs



故障排除

故障现象	原因分析	排除方法
开机后无声音	未通电	检测电源连线及适配器指示灯是否点亮
	信号输入选择错误	切换信号选择开关
	音频线连接不正确	重新连接
	音源设备静音	解除音源设备静音
声音不正确	声道正负极接反	检查并更正
	输出线接触不良	重新连接输出线
	输入线接触不良	重新连接输入线
	功放输出过载	把电位器音频调小

日常注意事项

- 音箱输出线请严格参照本说明书的接线。
- 本机的输出端子切勿短路或接地。
- 任何线材的连接或者拆除都应在关机状态下进行。
- 关机操作请按照先关闭本机的电源开关，再拔掉输入电源线或切断总电源的顺序进行。
- 不得将本机搁置在高温、潮湿的环境，更不得淋雨或者受强列冲击。
- 不得随意拆开机壳，如需维修应请专业维修人员处理。
- 若不慎将碎块或者液体洒落机内，应立即切断电源，经专业人士检查后方可使用。
- 本机应使用拓品原装电源。
- 为了不影响您的听力，音量须控制在适度程度，以免失真并听感舒适为佳。
- 本机仅供室内使用。

关于主机金属外壳感觉到微弱电流

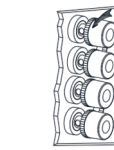
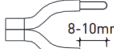
在特定的极少情况下，将电源适配器与主机连接后，根据接触部位和个人的不同，您有时在接触金属外壳或接口时可能会感觉到微弱电流。产生这种现象的原因是因为电源适配器中有抑制电磁干扰的元件，该元件在初、次级之间构成了必要的回路。您可以放心的是此微弱电流被控制在国家标准所规定的限值范围之内，且本产品在生产出厂时已通过严格的质量检查，因此请您放心使用。

保修条款

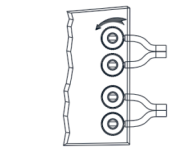
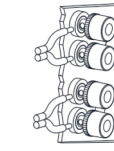
- 服务期限
欧诺诗（深圳）科技有限公司承诺产品的良好品质，产品自售出之后7天内正常使用情况下出现故障，客户可以选择退货或者保修（不影响二次销售才可退货）。正常使用一年内出现故障可以免费保修。
- 购买日期以销售商开出的购机发票或收据日期为准，网购可以交易截图为准。
- 有以下情况都不能享受“三包”服务
1.一切人为因素损坏，包括非正常工作环境下使用或不按照说明书使用。
2.用户私自拆卸、改装、维修。
3.使用非指定或许可的配件造成损坏的。
4.机身的OC或保修贴损毁。
5.不能出示有效购机凭证。
6.不属于本公司产品。
四、保修方式为送修
此条款只适用于中国大陆，其它地区请参考当地销售代理商的规定和国家法规。

音频线接法

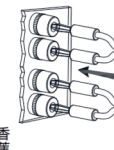
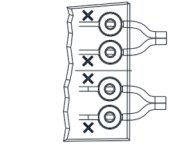
音频线去皮8-10mm（超出10mm容易短路）



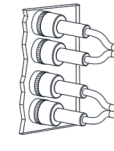
- 反转螺帽
- 侧面对孔插入音频线



- 上图正确安装图
- 顺转螺帽，锁住音频线



- 下图音频线去皮容易短路



FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.