

TOPPING™

E70

Model: TP509

音频解码器
Audio DAC
オーディオデコーダー使用指南
User manual
说明书

简体中文

感谢您购买拓品E70高性能解码器，相信E70会带给您带来HIFI的音乐体验和乐趣！在连接或使用之前，我们建议您先阅读本说明书，以便您正确使用E70的所有功能。

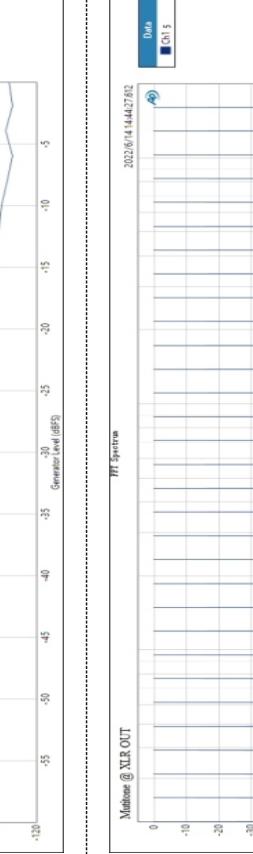
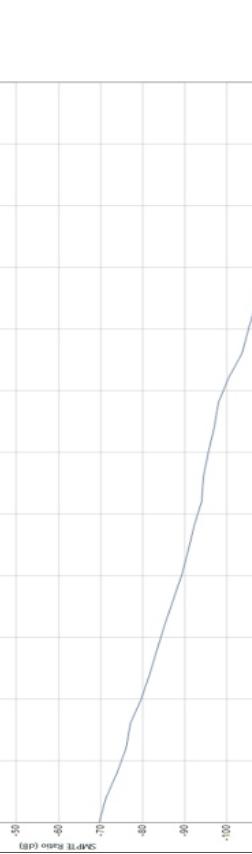
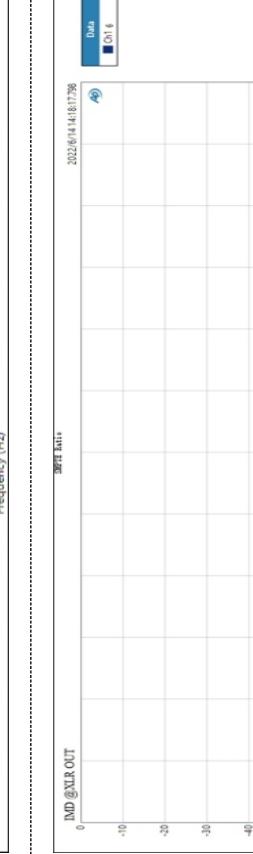
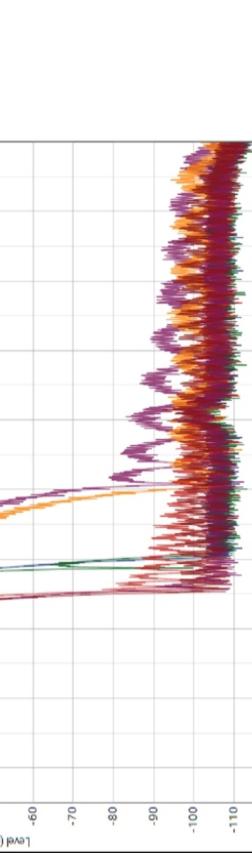
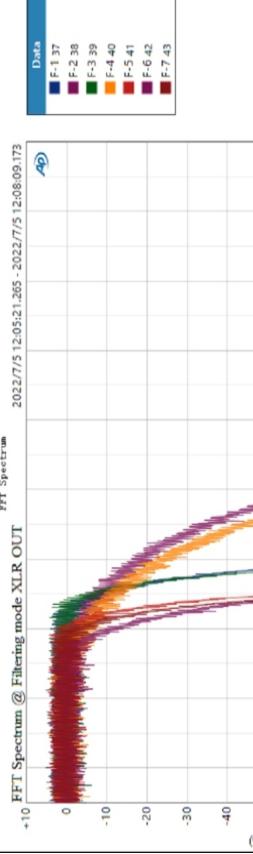
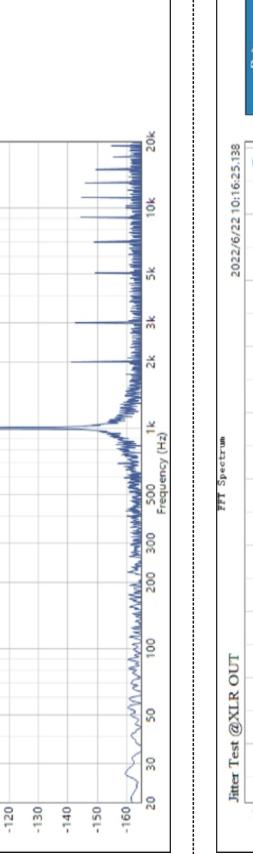
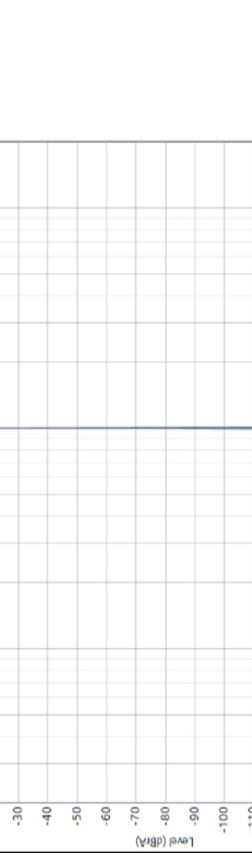
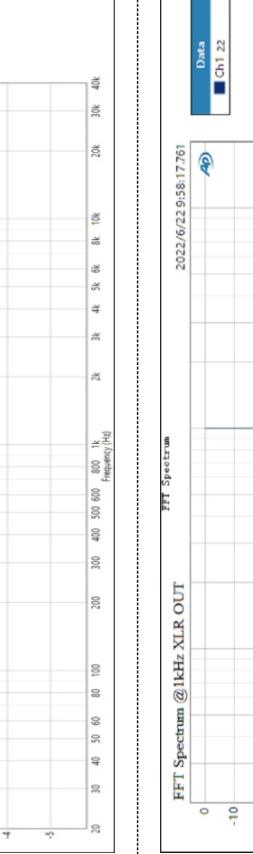
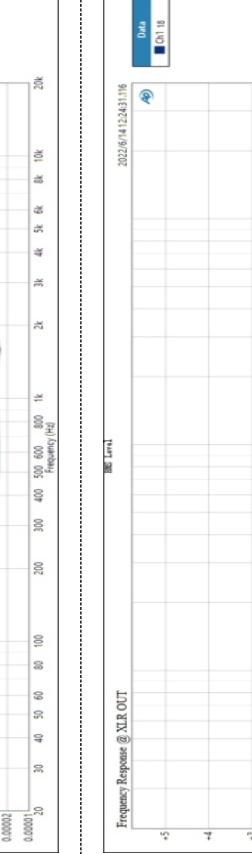
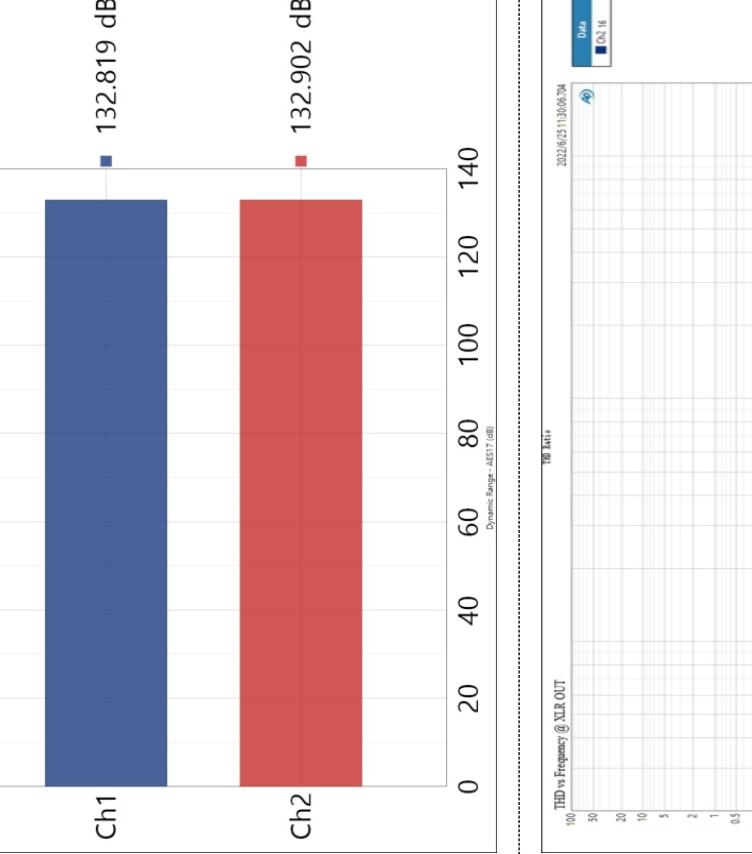
包装内物品清单

E70主机	x 1
遥控器	x 1
USB数据线	x 1
AC电源线	x 1
蓝牙天线	x 1
产品说明书	x 1
产品保修卡	x 1

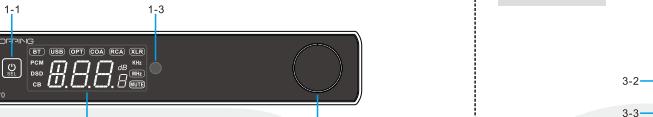
说明：TOPPING产品的电子档说明书和驱动可以到<http://www.topping.audio/>上下载。

产品基本属性

尺寸	20.0cm x 13.8cm x 4.4cm (包含突出部分)
单机重量	700g
电源	100-240VAC 50Hz/60Hz
输入接口	USB/BT/OPT/COAX
Line Out输出接口	XLR/RCA
其他控制接口	12V触发输入(3.5mm插座) 12V触发输出(3.5mm插座)
显示	白色LED
蓝牙接收距离	>10米
待机功耗	<0.7W



前面板



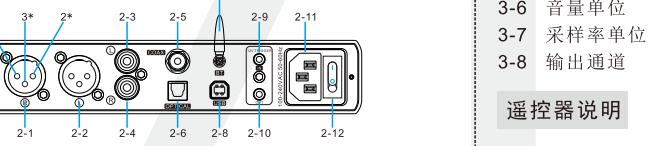
1-1 多功能触摸按键

1-2 LED显示屏

1-3 遥控接收器

1-4 音量旋钮

后面板



2-1 XLR平衡输出右*

2-2 XLR平衡输出左*

2-3 RCA单端输出左

2-4 RCA单端输出右

2-5 同轴输入

2-6 光纤输入

2-7 蓝牙输入

2-8 USB输入

2-9 12V触发输入

2-10 12V触发输出

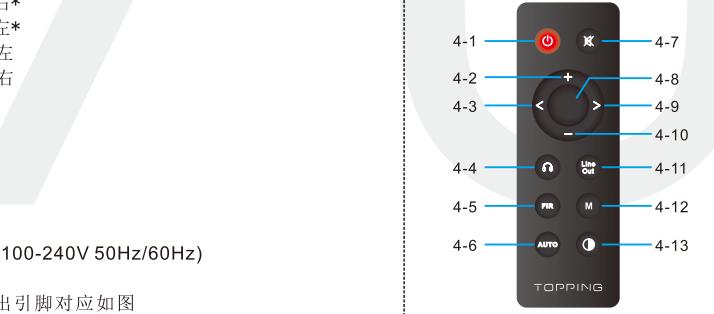
2-11 电源输入(AC 100-240V 50Hz/60Hz)

2-12 电源开关

*说明：XLR平衡输出引脚对应如图

1、GND 2、+ 3、-

遥控器说明



4-1 待机

4-2 音量加

4-3 向左循环切换输入

4-4 无效按键

4-5 滤波设置

4-6 自动开机&待机设置

4-7 静音

4-8 OK按键

4-9 向右循环切换输入

4-10 音量减

4-11 输出通道设置

4-12 声道平衡设置#

4-13 亮度设置*

显示说明



3-1 输入通道

3-2 PCM/DSD格式指示

3-3 声道平衡指示

3-4 数字显示区

3-5 静音指示

3-6 音量单位

3-7 采样率单位

3-8 输出通道

支持规格

USB IN	PCM 44.1kHz-768kHz/16bit-32bit DSD DSD64-DSD512 (Native), DSD64-DSD256 (DoP)
COAX/OPT IN	PCM 44.1kHz-192kHz/16bit-24bit DSD DSD64 (DoP)
BT IN	AAC/SBC/APTX/APTX LL/APTX HD/APTX-Adaptive/LDAC

参数

E70解码参数一览表 (LineOut/USB In@96kHz)		
	RCA	XLR
总谐波失真加噪声 @1kHz (A-wt)	<0.00008%	<0.00006%
总谐波失真 @20-20kHz (A-wt/No-wt)	<0.0007%	<0.0002%
信噪比@1kHz (A-wt)	126dB	132dB
动态范围@1kHz (A-wt)	126dB	132dB

说明：

*L-A的亮度与L-2一样，是亮度中。不同的是，在L-A模式下，30秒无操作自动息屏，息屏时只显示当前输入，息屏时点击任意按键即可唤醒屏幕。
*当E70设置为BT输入状态时，长按“亮度设置”按键3秒可断开已有的蓝牙连接，强制设置蓝牙进入配对状态。
#按此按键进入声道平衡设置界面后，按压遥控器上的左/右按钮或者使用前面板上的旋钮即可进行调节，按压遥控器上的OK按键可恢复平衡状态，无操作五秒后自动保存退出。可设置范围：0.0dB (平衡)，左声道+0.5~9.5dB或右声道+0.5~9.5dB。

支持规格



频率响应

20Hz-20kHz (±0.2dB)	20Hz-20kHz (±0.2dB)
20Hz-40kHz (±0.4dB)	20Hz-40kHz (±0.4dB)
2.1Vrms @0dBFS(4V Mode)	4.2Vrms @0dBFS(4V Mode)
2.5Vrms @0dBFS(5V Mode)	5.0Vrms @0dBFS(5V Mode)

输出幅值

<1.3uVrms

底噪 (A-wt)

-133dB @1kHz

声底抑制

-149dB @1kHz

声道平衡度

0.3dB

输出阻抗

50Ω

声道平衡度

100Ω

说明：

以上数据是TOPPING实验室在AC220V 50Hz和E70设

置为5V输出模式下测试得到的结果。

操作说明

开关机/待机操作

(1) 开机：上电即进入待机状态，屏幕显示一个亮点。

(2) 待机、退出待机设置：

工作时长按前面板的多功能触摸按键进入待机，待机时短按它以退出待机；也可以直接按压遥控器上的待机按键进入或退出待机。

输出通道切换

按压前面板的“输出通道设置”按键或前面板的旋钮即可切换输出通道。

设置菜单

将电源开关切换到“电源关”后，按住前面板的旋钮的同时切

换到“电源开”即可进入E70的设置菜单。

设置的更改及保存

(1) 使用前面板的旋钮：短按旋钮可以进入下一个设置项，转动旋钮可以更改参数，长按旋钮直到屏幕显示“8-8”即可保存设置。

(2) 使用遥控器：按压音量加/减按键可以进入上一个/下一个设置项，按压左/右按键可以更改参数。按压“OK按键”，屏

幕显示“8-8”表示已保存设置。

自动开机&待机设置

有三个选项可供选择，请于“设置菜单”或按压遥控器

AUTO按键进行设置。

• A-1：根据输入状态自动开机&待机。在一分钟内如果当前输入没有接入或者当前输入信号无效时自动进入待机状态，一旦检测到任一输入存在有效信号接入就可以自动恢复正常工作状态。

• A-2：根据触发信号自动开机&待机。配备12V触发输出的设备连接E70的触发输入后，可控制E70开机/进入待机。当触发输入

设置项说明：

1. 自动开机&待机设置(可遥控器设置)

屏幕显示

说明

DSD F-1

47kHz

DSD F-2

50kHz

DSD F-3

60kHz

DSD F-4

70kHz

注意事项

1. 不得将本机搁置在高温、潮湿的

English

Thank you for purchasing high-performance DAC E70. We hope it could bring you more fun at enjoying music! Before making any connections or using this product, we recommend you read this manual first so that you can use all the features of E70 correctly and get the most listening pleasure.

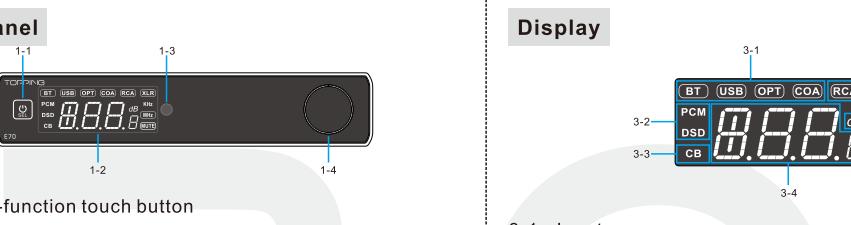
Contents list

E70	x 1
Remote control	x 1
USB cable	x 1
AC cable	x 1
Bluetooth antenna	x 1
User manual	x 1
Warranty card	x 1

Note: You can download the driver and user manual on <http://www.topping.audio/>.

Attribute

Measured	20.0cm x 13.8cm x 4.4cm (Include protruding parts)
Weight	700g
Power input	100-240VAC 50Hz/60Hz
Signal input	USB/BT/OPT/COAX
Line Out output	XLR/RCA
Other interfaces	12V Trigger In (3.5mm jack) 12V Trigger Out (3.5mm jack)
Display	White LED
Bluetooth range	>10 M
Standby power consumption	<0.7W



Front panel

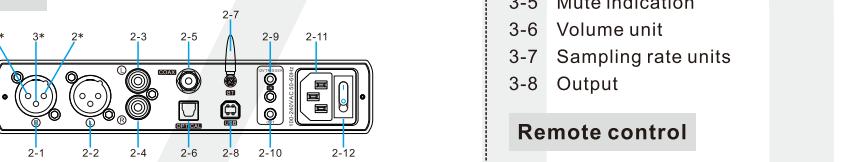
1-1 Multi-function touch button

1-2 LED screen

1-3 Remote control receiver

1-4 Volume knob

Rear panel



2-1 Right channel balanced XLR output*

2-2 Left channel balanced XLR output*

2-3 Left channel single-ended RCA output

2-4 Right channel single-ended RCA output

2-5 Coaxial SPDIF input

2-6 Optical SPDIF input

2-7 Bluetooth input

2-8 USB input

2-9 12V Trigger In

2-10 12V Trigger Out

2-11 Power input (AC 100-240V 50Hz/60Hz)

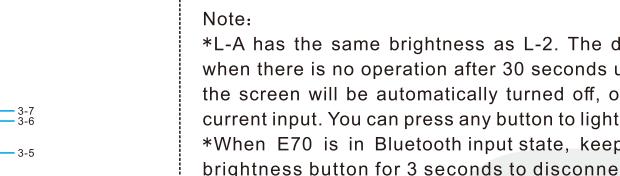
2-12 Power switch

2-13 Bluetooth range

2-14 Standby power consumption

*Note: Description of XLR male connector pin definition.

1. GND 2. + 3. -



Display

3-1 Input

3-2 PCM/DSD format indication

3-3 Channel Balance indication

3-4 Digi display area

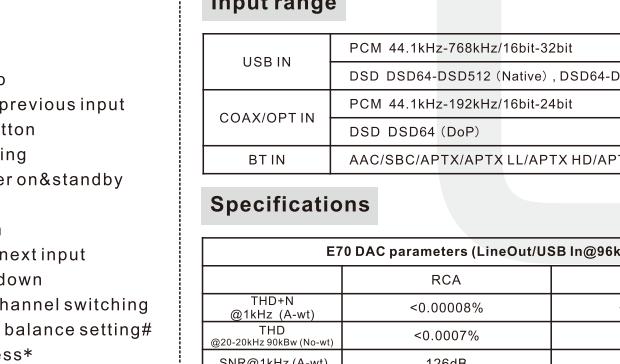
3-5 Mute indication

3-6 Volume unit

3-7 Sampling rate units

3-8 Output

Remote control



4-1 Standby

4-2 Volume up

4-3 Switch to previous input

4-4 Invalid button

4-5 Filter setting

4-6 Auto power on&standby

4-7 Mute

4-8 OK button

4-9 Switch to next input

4-10 Volume down

4-11 Output channel switching

4-12 Channel balance setting#

4-13 Brightness*

Specifications

E70 DAC parameters (LineOut/USB In@96kHz)		
	RCA	XLR
THD+N @1kHz (A-wt)	<0.00008%	<0.00006%
THD @20kHz 90dBw (No-wt)	<0.0007%	<0.002%
SNR@1kHz (A-wt)	126dB	132dB
Dynamic range @1kHz (A-wt)	126dB	132dB

Note:
*L-A has the same brightness as L-2. The differences lie in when there is no operation after 30 seconds under L-A mode, the screen will be automatically turned off, only displays the current input. You can press any button to light up the screen.
*When E70 is in Bluetooth input state, keep pressing the brightness button for 3 seconds to disconnect the existing Bluetooth connection and forcibly enter into Bluetooth pairing state.

#In the channel balance setting interface, press the left/right button on the remote to set mute, press the mute button again or adjust the volume to exit mute state.
*Note: The above data is the result obtained from TOPPING lab under AC220V 50Hz and E70 set to 5V output mode.

Frequency Response	20Hz-20kHz(±0.2dB)	20Hz-20kHz(±0.2dB)
20Hz-40kHz(±0.4dB)	20Hz-40kHz(±0.4dB)	20Hz-40kHz(±0.4dB)
2.1Vrms @0dBFS(4V Mode)	4.2Vrms @0dBFS(4V Mode)	2.5Vrms @0dBFS(5V Mode)
2.5Vrms @0dBFS(5V Mode)	5.0Vrms @0dBFS(5V Mode)	

• A-2: On & standby based on trigger signal. When E70's Trigger In is connected to another device's 12V Trigger Out, E70's power on/standby can be controlled through this device. The E70 will remain in standby mode until Trigger In detects the signal change from 0V to 12V. When changing back to 0V, the E70 will return to standby mode.

• A-C: Disabled this function

Setting descriptions:

1. Auto power on&standby setting (available for remote control setting)

Screen display	Description
FPCM F-3	Fast roll off minimum (Default)
FPCM F-4	Slow roll off minimum
FPCM F-5	Fast roll off apodizing
FPCM F-6	Fast roll off corrected minimum
FPCM F-7	Brick-wall

Parameter setting:

2. Screen display (available for remote control setting)

Screen display	Description
A-1	On & standby based on input status (Default)
A-2	On & standby based on trigger signal
A-C	Disabled this function

Operation

Power on & off / standby operation

(1) Power on: When connects to power supply, E70 goes into the standby state, the screen displays a bright dot.

(2) Standby setting:

When it is working, press and hold the multi-function touch button on the front panel to enter standby state and short press to exit standby state when it is in standby. Or you can directly press the standby button on remote control to enter or exit standby state.

12V Trigger In/Out

The 12V Trigger In/Out allows the E70 to be activated by other devices or to activate other devices via a 3.5mm mini phone plug cable. The connected device must be equipped with a 12V Trigger In/Out to use this feature.

Input channel switching:

Press the "Output channel switching" button on the remote control or the knob on the front panel to switch the output channel.

Output channel switching:

Press the "Output channel switching" button on the remote control or the knob on the front panel to switch the output channel.

Notes:

(1) The enter and exit of mute state: Press the mute button on the remote control to set mute, press the mute button again or adjust the volume to exit mute state.

(2) Volume adjusting: You can directly turn the volume knob or press the volume up or down button on the remote control to adjust the volume. Note that long pressing the volume up/down button on the remote control will quickly adjust the volume, so please be careful in order to protect your hearing.

Note: Volume is fixed to 0dB in DAC mode and volume adjusting is invalid in this mode.

Input channel switching:

When it is working, press and hold the multi-function touch button on the front panel to enter standby state and short press to exit standby state when it is in standby. Or you can directly press the standby button on remote control to enter or exit standby state.

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