

TOPPING

*DX5 II*

使用手册 

User Manual 

Model: TP742

V1.1



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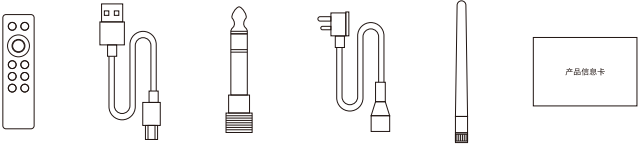
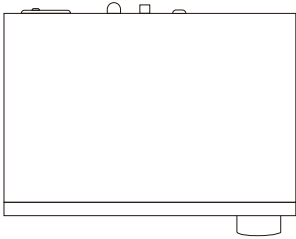
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## 1. 包装内物品清单

|                 |     |
|-----------------|-----|
| DX5 II主机        | x 1 |
| 遥控器             | x 1 |
| USB数据线          | x 1 |
| 6.35mm转3.5mm转接头 | x 1 |
| AC电源线           | x 1 |
| 蓝牙天线            | x 1 |
| 产品信息卡           | x 1 |

说明：TOPPING产品的驱动可以到

<https://www.toppingaudio.com/zh/downloads>上下载。



## 2. 产品基本属性

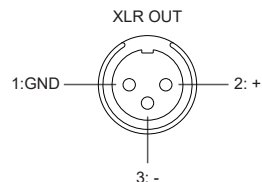
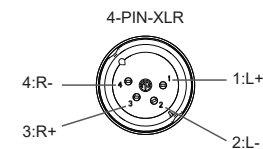
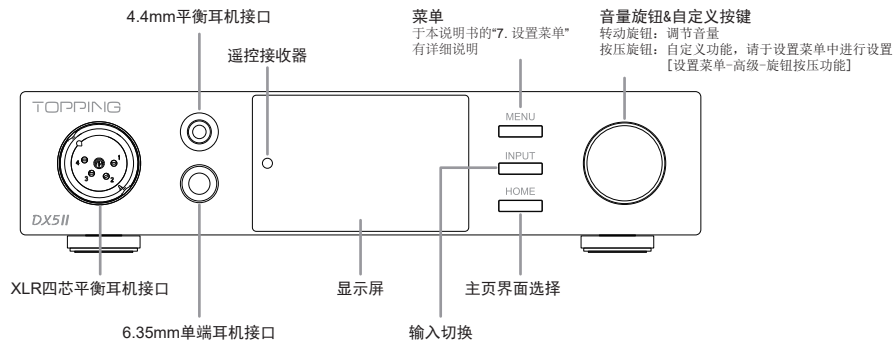
|              |                                  |
|--------------|----------------------------------|
| 尺寸           | 19.0cm x 15.5cm x 4.4cm (包含突出部分) |
| 单机重量         | 945g                             |
| 电源           | 100-277VAC 50Hz/60Hz             |
| 输入接口         | USB/BT/OPT/COAX                  |
| Line Out输出接口 | XLR/RCA                          |
| 耳放输出接口       | 6.35mm耳机接口                       |
|              | 4.4mm平衡耳机接口                      |
|              | XLR四芯平衡耳机接口                      |
| 其他控制接口       | 12V触发输入 (3.5mm插座)                |
|              | 12V触发输出 (3.5mm插座)                |
| 蓝牙接收距离       | 10米                              |
| 显示           | 2.0寸LCD彩屏                        |
| 控制方式         | 主机：3个按键+多功能旋钮                    |
|              | 无线：遥控器                           |
| 待机功耗         | <1.3W                            |
| 正常工作功耗       | <6W                              |

## 3. 支持规格

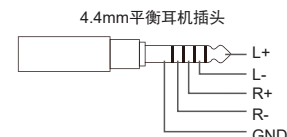
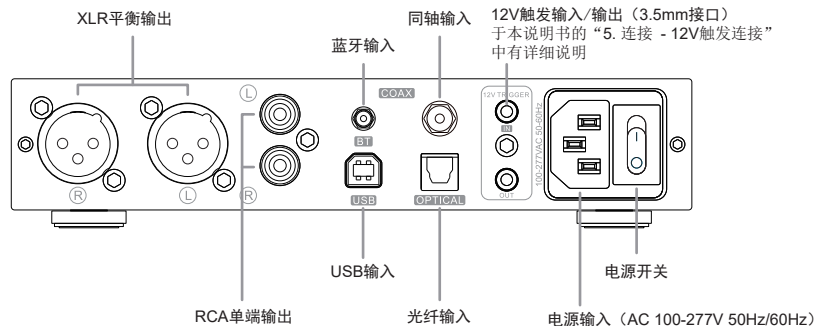
|             |                                         |                                            |
|-------------|-----------------------------------------|--------------------------------------------|
| USB IN      | PCM                                     | 44.1kHz-768kHz/16bit-32bit                 |
|             | DSD                                     | DSD64-DSD512 (Native) , DSD64-DSD256 (DoP) |
|             | PEQ                                     | 44.1kHz-192kHz/16bit-32bit                 |
| COAX/OPT IN | PCM                                     | 44.1kHz-192kHz/16bit-24bit                 |
|             | PEQ                                     | 44.1kHz-192kHz/16bit-24bit                 |
| BT IN       | AAC/SBC/APTX/APTX HD/APTX-Adaptive/LDAC |                                            |
|             | PEQ                                     | 44.1kHz-96kHz/16bit-24bit                  |

## 4. 部件与名称

### 前面板



### 后面板

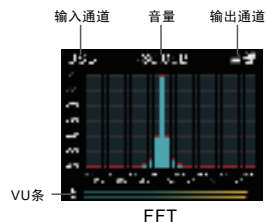


## 显示说明

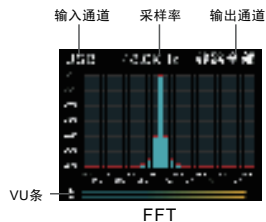
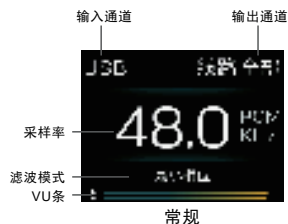
主页显示有三种：常规，VU和FFT，可以通过按压前面板的HOME按键进行切换，或者可在菜单中进行设置[设置菜单-显示-主页]。

仅线路输出时，于[设置菜单-输出设置-线路模式]可设置前级模式和DAC模式，DX5 II前级模式下音量可调，DAC模式下保持最大音量输出，音量不可调。另外在主页显示上也有些许不同。

### 前级模式



### DAC模式



\*VU表，VU条和FFT反映当前输入下XLR接口的输出幅值。（不受音量控制影响）

\*VU表，VU条和FFT不支持DSD512。

## 遥控器说明



A B

可自定义这两个按键的功能，于“设置菜单”的“高级”中有详细说明。

C1 C2

**操作：**长按3秒C1/C2按键保存当前设置，按压C1/C2按键即可使用对应设置。

**保存的设置：**包含音量大小以及设置菜单中的全部设置，比如输入通道、输出通道、音量等等。

**功能说明：**该功能适用于不止一个使用场景的用户，比如以下两种使用场景。不同的使用场景下，DX5 II有不同的设置。

| DX5 II设置 | 场景1：连接耳机使用 | 场景2：连接音箱使用 |
|----------|------------|------------|
| 输入通道     | USB输入      | 蓝牙输入       |
| 输出通道     | 耳放全部       | 线路全部       |
| 音量大小     | -40dB      | -20dB      |

从场景1切换到场景2使用需要更改不少设置，这时使用C1和C2按键分别将这两种场景的DX5 II设置保存，切换到场景2时，只需要按压C2按键就能一键调用全部的设置，无需逐个更改。

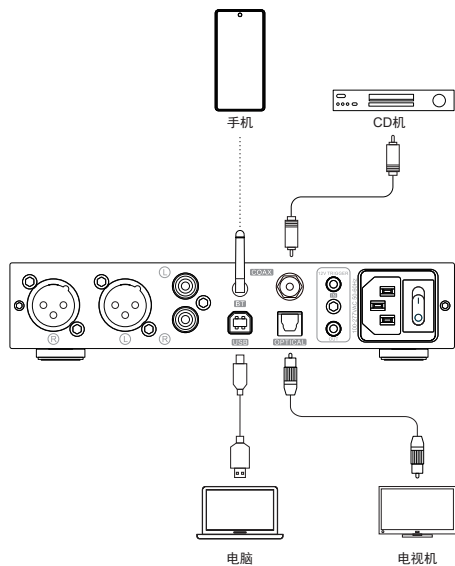


于“设置菜单”的“1-3亮度”中有详细说明

## 5. 连接

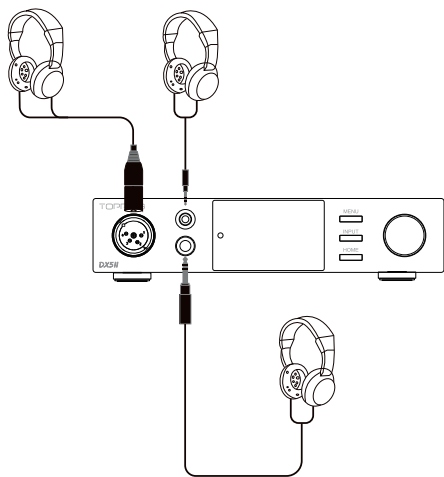
### 连接输入源

共4类输入接口可供选择：USB、光纤、同轴、蓝牙。



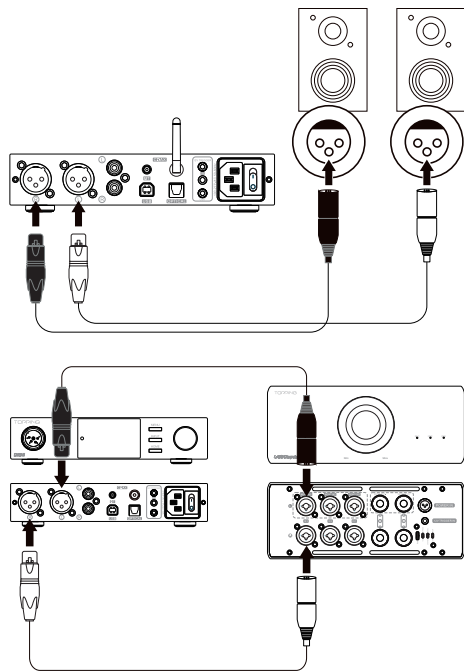
### 连接耳机

三类耳机接口输出可供选择：四芯XLR，4.4mm和6.35mm



## 连接放大器或有源音箱

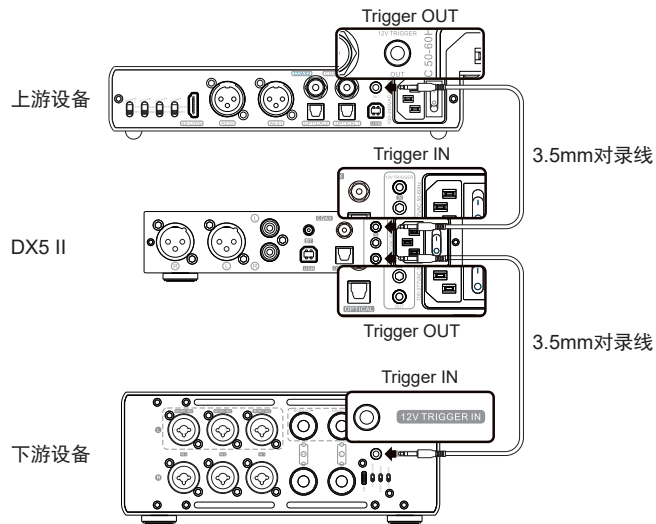
使用RCA或XLR线缆连接至放大器或有源音箱，连接前请先关闭放大器或有源音箱，以免损坏设备。



## 12V触发连接

当两个或多个配备12V Trigger接口的设备连接，可实现同步开机/待机。Trigger In所连接的上游设备可控制DX5 II开机/待机，DX5 II可控制Trigger Out所连接的下游设备开机/待机。

\* 注意使用DX5 II的Trigger IN功能时，需要在〔设置菜单-高级-开关机触发〕将开关机触发设置为“12V”。

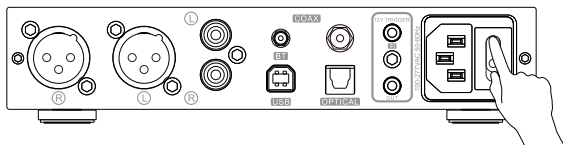


## 6. 操作说明

### 开关机/待机操作

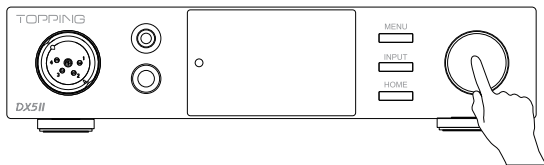
#### 1. 开关机

打开或者关闭后面板的电源开关，即可实现DX5 II的开关机。



#### 2. 待机、退出待机设置

使用前面板右侧的旋钮，短按开机，长按待机。亦可使用遥控器。



### 音量设置

#### 1. 静音状态的进入与退出

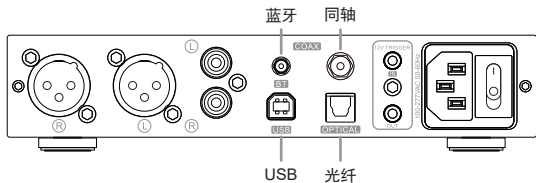
按压遥控器上的静音按键可以设置DX5 II输出为静音状态，重新按压静音按键或调节音量大小即可退出静音状态。

#### 2. 音量大小调节

使用面板上的旋钮，或者遥控器上的 ◀ 或 ▶ 按键可以调节DX5 II的音量。注意长按遥控器上的 ◀ 或 ▶ 按键会快速调节音量，要小心操作以保护听力。

**特别说明：**在DAC模式下，音量固定为0dB，音量大小调节无效。[设置菜单-输出设置-线路模式]

## 输入设置



## 1. 输入选项设置

由于设备具备多个输入通道，切换时可能耗费一定时间。为提高效率，建议您在[设置菜单-输入设置-输入选项]中，预先勾选常用的输入通道，以缩短切换输入源所需的时间。可支持“自动检测有效信号”与“手动选择”两种方式，您可根据实际使用需求进行配置。

- 自动检测有效信号

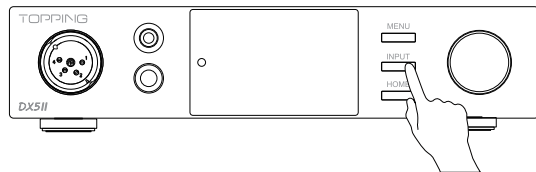
系统将自动检测各输入接口是否接收到有效信号。如检测到有效信号，该输入通道将被自动添加至输入选项中，切换输入时将在这些通道间进行切换。

- 手动选择（默认）

您也可以手动选择所需的输入通道。勾选后，在进行输入切换时，系统将仅在这些已选通道中进行切换。

可选输入通道包括：☒ USB

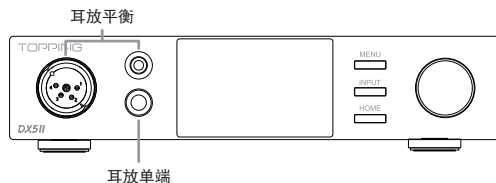
- ☒ 光纤
- ☒ 同轴
- ☒ 蓝牙



## 2. 输入通道切换

完成输入选项设置后，按压前面板的INPUT按键或者遥控左侧的  按键即可依次循环切换输入。

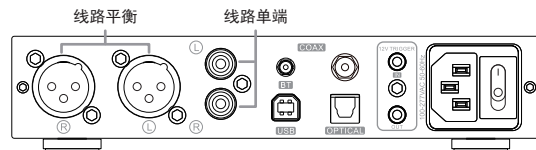
## 输出设置



### 1. 输出选项设置

由于设备具备多个出通道，切换时可能耗费一定时间。为提高效率，建议您在 [设置菜单-输出设置-输出选项] 中，预先勾选常用的输出通道，以缩短切换输出通道所需的时间。

- 可选输出通道包括：
- ☒ 全部
  - ☒ 耳放全部
  - ☒ 线路全部
  - ☐ 耳放单端（6.35mm耳机接口）
  - ☐ 耳放平衡（4.4mm/XLR-4耳机接口）
  - ☐ 线路单端（RCA）
  - ☐ 线路平衡（XLR）



### 2. 输出通道切换

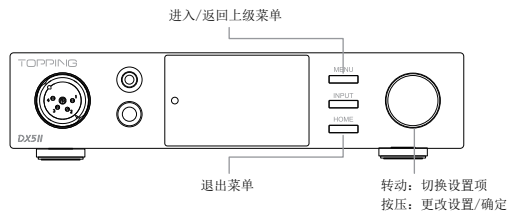
完成输出选项设置后，按压前面板的旋钮或者遥控右侧的  按键即可依次循环切换输出。

\*旋钮按压功能默认为“输出选择”。如需更改该功能，可 [设置-高级-旋钮按压功能] 中进行配置。

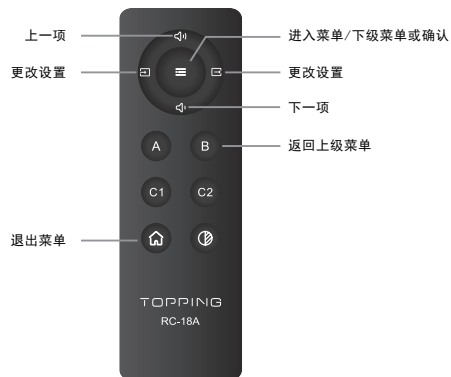
## 7. 设置菜单

### 进入菜单和更改设置

#### 1. 使用前面板按键



#### 2. 使用遥控器



### 菜单全览



## 1. 显示

### 1-1 主题

多种主题可供选择，默认极光

### 1-2 主页

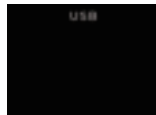
选择主页显示界面

常规（默认）、VU、FFT

### 1-3 亮度

低、中（默认）、高、自动

自动的亮度与亮度中一样。不同的是，在自动模式下，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。



### 1-4 经典VU 0dB

设置VU界面0dB的参考电压，如若设置为+4dBu，当指针摆动到0dB时，DX5 II的当前输出幅值就是+4dBu。

+4dBu（默认）、+10dBu

### 1-5 VU条

可选择打开/关闭VU条，或在单独某个主页界面显示VU条  
全开（默认）、常规界面、FFT界面、全关

## 2. 输入设置

### 2-1 输入选择

USB（默认）/ 根据“输入选项”勾选的列表循环

### 2-2 输入选项

由于设备具备多个输入通道，切换时可能耗费一定时间。为提高效率，建议您在[设置菜单-输入设置-输入选项]中，预先勾选常用的输入通道，以缩短切换输入源所需的时间。可支持“自动检测有效信号”与“手动选择”两种方式，您可根据实际使用需求进行配置。

#### ● 自动检测有效信号

系统将自动检测各输入接口是否接收到有效信号。如检测到有效信号，该输入通道将被自动添加至输入选项中，切换输入时将在这些通道间进行切换。

#### ● 手动选择

您也可以手动选择所需的输入通道。勾选后，在进行输入切换时，系统将仅在這些已选通道中进行切换。

可选输入通道包括：☒ USB

☒ 光纤

☒ 同轴

☒ 蓝牙

### 2-3 UAC

UAC2.0（默认）、UAC1.0

### 2-4 蓝牙

启用（默认）、禁用

### 2-5 蓝牙aptX

启用（默认）、禁用

本机支持多种音频编码，设置为OFF时，可禁用APT-X-Adaptive编码，使用其余编码（视手机而定）。

### 3. 输出设置

#### 3-1 输出选择

全部（默认）/ 根据“输出选项”勾选的列表循环

#### 3-2 输出选项

由于设备具备多个出通道，切换时可能耗费一定时间。为提高效率，建议您在[设置菜单-输出设置-输出选项]中，预先勾选常用的输出通道，以缩短切换输出通道所需的时间。

可选输出通道包括：☒ 全部

☒ 耳放全部

☒ 线路全部

☐ 耳放单端（6.35mm耳机接口）

☐ 耳放平衡（4.4mm/XLR-4耳机接口）

☐ 线路单端（RCA）

☐ 线路平衡（XLR）

#### 3-3 PCM滤波器

F-1：最小相位（默认）

F-2：线性相位快速滚降变迹

F-3：线性相位快速滚降

F-4：线性相位快速滚降低纹波

F-5：线性相位慢速滚降

F-6：最小相位快速滚降

F-7：最小相位慢速滚降

F-8：最小相位慢速滚降低扩散

#### 3-4 耳放增益

低增益（默认）、高增益

#### 3-5 通道平衡

可设置范围：C（平衡），L+0.5~9.5dB或R+0.5~9.5dB。（默认：C）

注意：使用前面板旋钮设置时，需要按压一下旋钮进入该项设置，转动旋钮调节数值，再次按压旋钮退出该设置。

#### 3-6 音量步进设置

0.5dB（默认）、1dB

#### 3-7 极性设置

标准（默认）、反相

#### 3-8 线路模式

前级：音量可调（默认）

DAC：保持最大音量输出，音量不可调

注意：DAC模式在仅线路输出时生效。

## 4. PEQ配置

### 4-1 PEQ

禁用（默认）、启用

| PEQ支持规格     |                            |
|-------------|----------------------------|
| USB IN      | 44.1kHz-192kHz/16bit-32bit |
| COAX/OPT IN | 44.1kHz-192kHz/16bit-24bit |
| BT IN       | 44.1kHz-96kHz/16bit-24bit  |

### 4-2 PEQ选择

内置5个默认预设配置供用户选择，注意默认预设配置不可修改。另外还可通过Topping Tune软件保存5个自定义的配置到DX5 II上，DX5 II可离线使用该配置。

## 5. 高级

### 5-1 开关机触发

**信号：**根据输入信号触发开机/关机。在一分钟内如果当前输入没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。（默认）

**12V：**根据12V信号触发开机&待机。配备12V触发输出的设备连接DX5 II的触发输入后，可控制DX5 II开机/进入待机。当触发输入接口检测到12V信号从无到有时，DX5 II会自动开机；当检测到12V信号从有到无时，DX5 II自动进入待机状态。

**关闭：**关闭该功能

### 5-2 音量记忆方式

**跟随输出：**记忆各个输出通道上次使用时的音量和耳放增益，并在下次使用该通道时，音量会自动恢复为上次使用时的音量。（默认）

**跟随输入：**记忆各个输入通道上次使用时的音量和耳放增益，并在下次使用该通道时，音量会自动恢复为上次使用时的音量。

**无：**不使用该功能

### 5-3 PEQ记忆方式

**跟随输出：**记忆各个输出通道上次使用时的PEQ配置选择，并在下次使用该通道时，会自动恢复上次使用时的PEQ配置选项。（默认）

**跟随输入：**记忆各个输入通道上次使用时的PEQ配置选择，并在下次使用该通道时，会自动恢复上次使用时的PEQ配置选项。

**无：**不使用该功能

### 5-4 遥控器

启用（默认）、禁用

### 5-5 旋钮按压功能

可自定义按压旋钮的功能

输出选择（默认）、主页选择、亮度选择、息屏、静音、PEQ选择、开关机触发、PCM滤波器、耳放增益、PEQ开关、输入选择

### 5-6 遥控按键A功能

可自定义遥控按键A功能

输出选择、主页选择、亮度选择、息屏、静音、PEQ选择（默认）、开关机触发、PCM滤波器、耳放增益、PEQ开关、输入选择

### 5-7 遥控按键B功能

可自定义遥控按键B功能

输出选择、主页选择、亮度选择、息屏、静音、PEQ选择、开关机触发、PCM滤波器、耳放增益、PEQ开关、输入选择（默认）

## 6. 语言

English、中文

## 7. 恢复出厂设置

选择恢复出厂设置会有弹窗，选择确定/取消（选中带颜色），然后按压遥控中间按键或者前面板旋钮确定选择。

## 8. 故障排除

若使用过程中出现问题，请通过以下链接查找相应的解决方法。

<https://www.toppingaudio.com/zh/faq>

查找方式：Window OS同时按住键盘的 Ctrl 和 F 按键（Mac OS 同时按住 command 和 F ）进入搜索，输入设备型号，就能跳转到该设备的FQA。

如果依然无法解决问题，请联系我们：[service@tpdz.net](mailto:service@tpdz.net)

## 9. 注意事项

1. 不得将本机搁置在高温、潮湿的环境，更不得淋雨或者受强烈冲击。
2. 不得随意拆开机壳，如需维修应请专业维修人员处理。
3. 本机仅供室内使用。
4. 对因产品的故障而直接或间接引起的任何损失或损坏不予负责。
5. 因产品改进，规格及功能若有变动恕不另行通知。

## 10. 参数

| DX5 II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 90kBw                | <0.0005%            | <0.00015%           |
| 信噪比 @1kHz (A-wt)                     | 128dB               | 132dB               |
| 动态范围 @1kHz (A-wt)                    | 128dB               | 132dB               |
| 频率响应                                 | 20Hz-20kHz (±0.3dB) | 20Hz-20kHz (±0.3dB) |
|                                      | 20Hz-40kHz (±1.0dB) | 20Hz-40kHz (±1.0dB) |
| 输出幅值                                 | 2.5Vrms @0dBFS      | 5.0Vrms @0dBFS      |
| 底噪 @A-wt                             | <1.1uVrms           | <1.3uVrms           |
| 声道串扰                                 | -135dB @1kHz        | -147dB @1kHz        |
| 声道平衡度                                | 0.3 dB              | 0.3 dB              |
| 输出内阻                                 | 50Ω                 | 100Ω                |

\*说明：以上数据是TOPPING实验室在AC220V 50Hz的条件下测试得到的结果。

| DX5 II耳放参数一览表 (USB In@96kHz) |                               |                               |
|------------------------------|-------------------------------|-------------------------------|
|                              | 6.35mm耳机接口                    | 4.4mm/XLR-4pin耳机接口            |
| 总谐波失真加噪声<br>@1kHz (A-wt)     | <0.00008% @Output=200mW (32Ω) | <0.00008% @Output=850mW (32Ω) |
|                              | <0.00007% @Output=22mW (300Ω) | <0.00007% @Output=90mW (300Ω) |
| 总谐波失真<br>@20-20kHz (45dBW)   | <0.00060% @Output=200mW (32Ω) | <0.00050% @Output=850mW (32Ω) |
|                              | <0.00050% @Output=22mW (300Ω) | <0.00050% @Output=90mW (300Ω) |
| 信噪比 @MAX OUT 1kHz (A-wt)     | 131dB @1kHz                   | 133dB @1kHz                   |
| 动态范围 @1kHz (A-wt)            | 131dB @1kHz                   | 133dB @1kHz                   |
| 频率响应                         | 20Hz-20kHz (±0.3dB)           | 20Hz-20kHz (±0.3dB)           |
|                              | 20Hz-40kHz (±1.0dB)           | 20Hz-40kHz (±1.0dB)           |
| 输出幅值                         | 7.2Vpp @G=L                   | 15.0Vpp @G=L                  |
|                              | 24.2Vpp @G=H                  | 48.0Vpp @G=H                  |
| 底噪 (A-wt)                    | <1.1uVrms @G=L                | <1.6uVrms @G=L                |
|                              | <2.5uVrms @G=H                | <4.3uVrms @G=H                |
| 声道串扰                         | -127dB @1kHz                  | -143dB @1kHz                  |
| 增益                           | G=L 8.6dB (Vrms/FS)           | G=L 14.6dB (Vrms/FS)          |
|                              | G=H 18.7dB (Vrms/FS)          | G=H 24.7dB (Vrms/FS)          |
| 声道平衡度                        | 0.3 dB                        | 0.3 dB                        |
| 输出阻抗                         | <0.1Ω                         | <0.1Ω                         |
| 输出功率                         | 3300mW x 2 @16Ω THD+N<1%      | 7600mW x 2 @16Ω THD+N<1%      |
|                              | 2200mW x 2 @32Ω THD+N<1%      | 6400mW x 2 @32Ω THD+N<1%      |
|                              | 1160mW x 2 @64Ω THD+N<1%      | 4300mW x 2 @64Ω THD+N<1%      |
|                              | 250mW x 2 @300Ω THD+N<1%      | 990mW x 2 @300Ω THD+N<1%      |
|                              | 120mW x 2 @600Ω THD+N<1%      | 490mW x 2 @600Ω THD+N<1%      |
| 适配阻抗                         | >8Ω                           | >8Ω                           |

\*说明：以上数据是TOPPING实验室在AC220V 50Hz的条件下测试得到的结果。

# Catalog

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## 1.Contents list

|                          |     |
|--------------------------|-----|
| DX5 II                   | x 1 |
| Remote control           | x 1 |
| USB cable                | x 1 |
| 6.35mm to 3.5mm Adaptor  | x 1 |
| AC cable                 | x 1 |
| Bluetooth antenna        | x 1 |
| Product Information Card | x 1 |

Note: You can download the driver on  
<https://www.toppingaudio.com/downloads>

## 2.Attribute

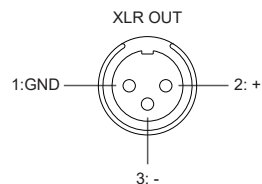
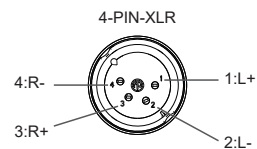
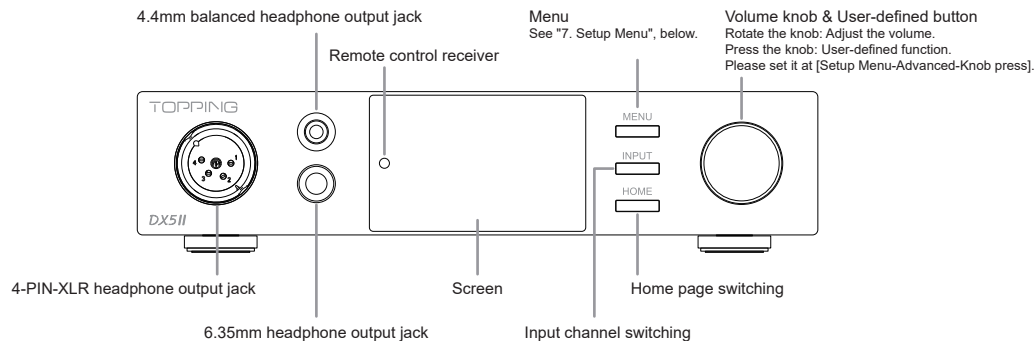
|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Measured                      | 19.0cm x 15.5cm x 4.4cm (Include protruding parts) |
| Weight                        | 945g                                               |
| Power input                   | 100-277VAC 50Hz/60Hz                               |
| Signal input                  | USB/BT/OPT/COAX                                    |
| Line Out output               | XLR/RCA                                            |
| Headphone<br>Amplifier output | 6.35mm headphone output jack                       |
|                               | 4.4mm headphone output jack                        |
|                               | 4-PIN-XLR headphone output jack                    |
| Other connectors              | 12V Trigger In (3.5mm jack)                        |
|                               | 12V Trigger Out (3.5mm jack)                       |
| Bluetooth range               | 10M                                                |
| Display                       | 2inch LCD                                          |
| Control                       | 3 buttons + multifunction knob                     |
|                               | + Remote control                                   |
| Standby power consumption     | <1.3W                                              |
| Power consumption             | <6W                                                |

## 3.Input range

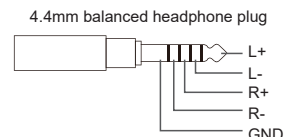
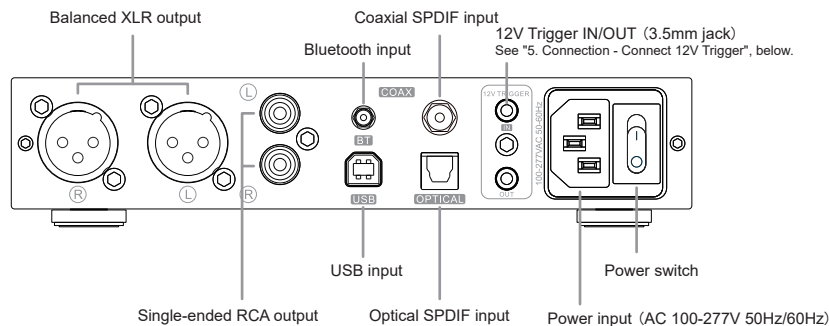
|             |                                         |                                            |
|-------------|-----------------------------------------|--------------------------------------------|
| USB IN      | PCM                                     | 44.1kHz-768kHz/16bit-32bit                 |
|             | DSD                                     | DSD64-DSD512 (Native) , DSD64-DSD256 (DoP) |
|             | PEQ                                     | 44.1kHz-192kHz/16bit-32bit                 |
| COAX/OPT IN | PCM                                     | 44.1kHz-192kHz/16bit-24bit                 |
|             | PEQ                                     | 44.1kHz-192kHz/16bit-24bit                 |
| BT IN       | AAC/SBC/APTX/APTX HD/APTX-Adaptive/LDAC |                                            |
|             | PEQ                                     | 44.1kHz-96kHz/16bit-24bit                  |

## 4. Parts and names

### Front panel



### Rear panel



## Display

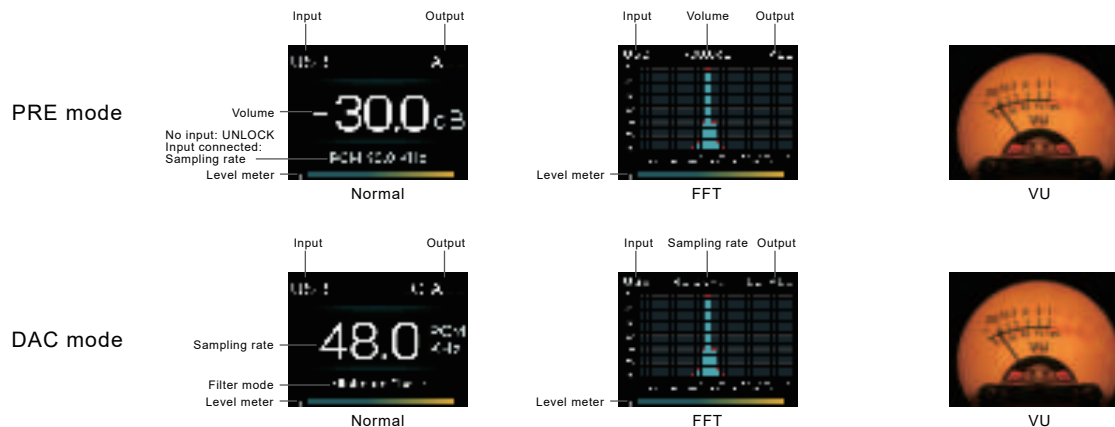
There are three types of home page displays: Normal, VU and FFT, which can be switched by touching the HOME button on the front panel or set in the menu [Setup Menu-Display-Home].

When only line output is available, PRE mode and DAC mode can be set in [Setup menu-Output settings-Line out mode]

PRE mode: Volume is adjustable.

DAC mode: DX5 II keeps the maximum volume output and the volume is not adjustable.

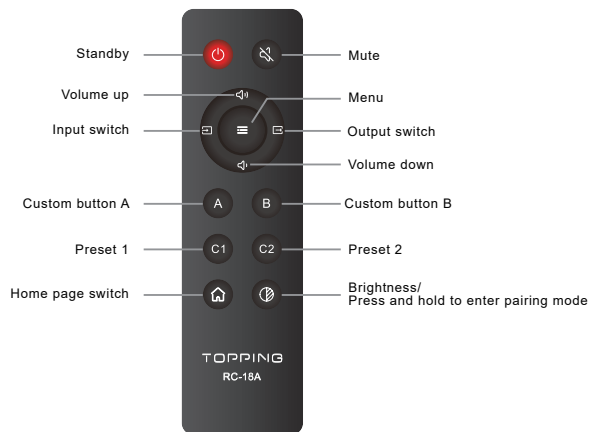
The home page display in DAC mode and PRE mode will be slightly different.



\*VU Meter, FFT and Level meter monitor or reflect XLR's output level. (They won't be affected by the volume in PRE mode.)

\*VU Meter, FFT and Level meter do not support DSD512.

## Remote control



A B

The function of these two buttons are customizable. See "Advanced" in the "Setup Menu", below.

C1 C2

Operation: Press and hold the C1/C2 button for 3 seconds to save the current settings. Short press the C1/C2 button to use the corresponding settings.

What was saved: Volume and all settings in the setup menu, such as input channel, output channel, etc.

When to use: This feature is suitable for users who have more than one usage scenario, such as the two shown below. Using C1&C2 buttons to bsave and load settings may free you from changing settings one by one when you want to change usage scenario.

| DX5 II settings | Usage scenario 1:<br>Connect with headphone | Usage scenario 2:<br>Connect with speakers |
|-----------------|---------------------------------------------|--------------------------------------------|
| Input channel   | USB                                         | Bluetooth                                  |
| Output channel  | HPA ALL (All Headphone Outputs)             | LO ALL (All Line Outputs)                  |
| Volume          | -40dB                                       | -20dB                                      |

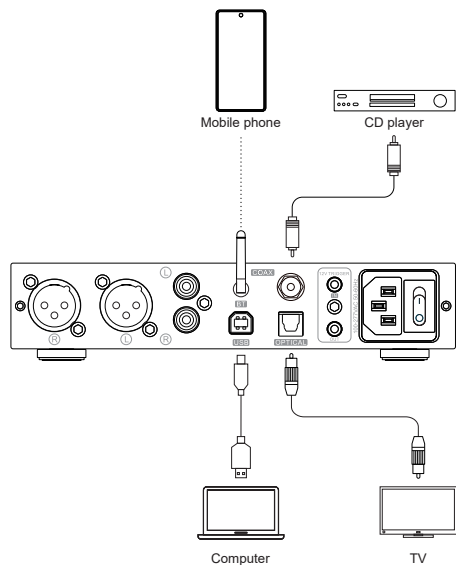
☰

See "1-3 Brightness" in the "Setup Menu", below.

## 5.Connection

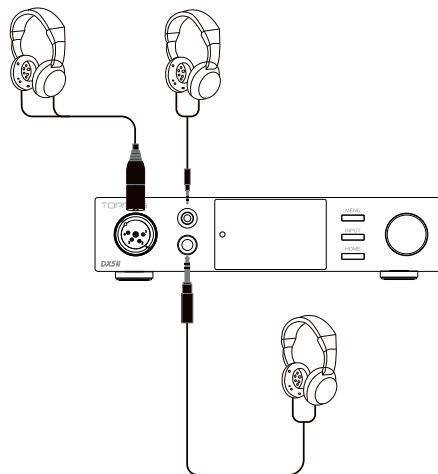
### Connect to the input source

Support USB, Coaxial, Optical, Bluetooth input.



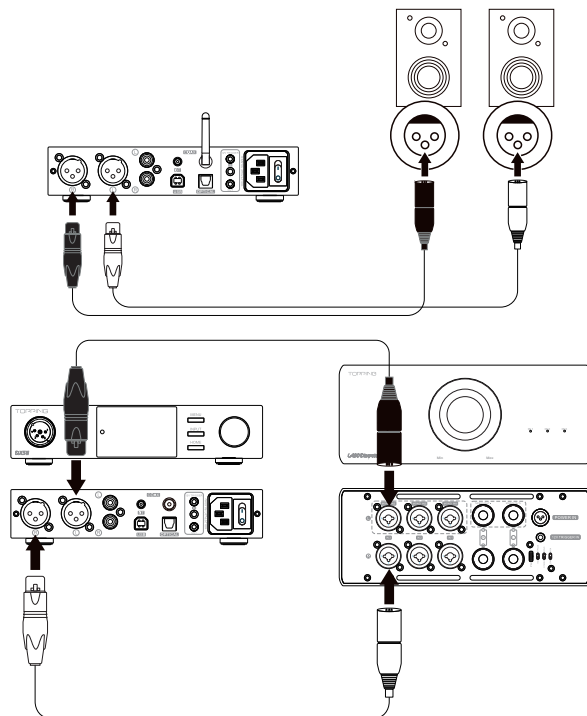
### Connect to headphone

Three types of headphone jack are available: XLR-4, 4.4mm and 6.35mm.



## Connect to amplifier or active speakers

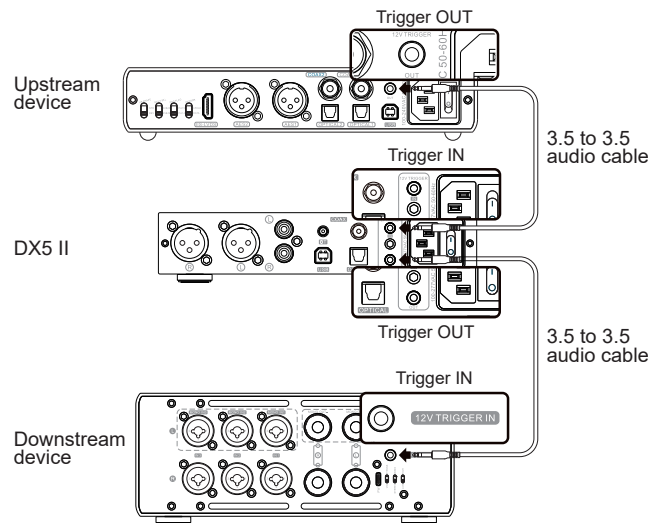
Use XLR or RCA cables to connect to amplifiers or active speakers. In order to avoid damage to your devices, please turn off the amplifier or active speakers before you connect them to DX5 II.



## Connect 12V Trigger

The 12V Trigger IN/OUT allows the DX5 II to be activated by other devices or to activate other devices via a 3.5mm AUX cable. The upstream device connected to Trigger In can control the power on/standby of DX5 II, and the downstream device connected to Trigger Out can be controlled by DX5 II.

\*Before using the Trigger IN function, you need to set the On/Off trigger mode to "12V" in the setup menu. [Setup menu-Advanced-On/Off trigger]

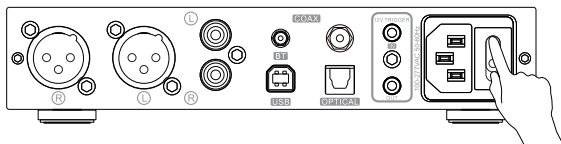


## 6.Operation

### Power on & off / standby operation

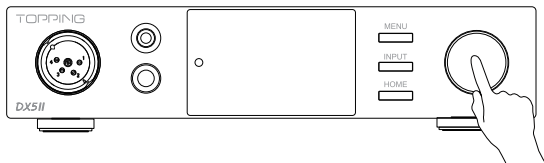
#### 1. Power on & off

Press the power switch on the rear panel to turn the DX5 II on or off.



#### 2. Standby setting

Short press the knob to turn on the unit, press and hold to enter standby state. Or you could use the remote control.



### Volume setting

#### 1. Mute and unmute

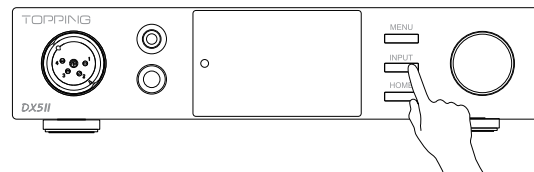
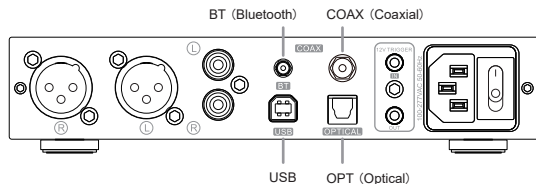
Press the mute button on the remote control to mute DX5 II, press the mute button again or adjust the volume to exit mute state.

#### 2. Volume adjusting

You can use the knob on the front panel or press the  or  button on the remote control to adjust the volume. Note that long pressing the  or  button on the remote control will quickly change 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. [Setup menu-Output settings-Line out mode]

## Input settings



### 1. Input option setting

Since the device supports multiple input channels, switching between them may take some time. To improve efficiency, it is recommended that you preselect frequently used input channels in [Setup menu-Input settings-Input option]. This can help reduce the time required for switching input sources.

The system supports two configuration methods: Auto-detect and Manual. You may choose either based on your actual usage needs.

- Auto-detect

The system will automatically detect whether a valid signal is received at each input port. If a valid signal is detected, the corresponding input channel will be added to the input options list. During input switching, the system will cycle through these channels.

- Manual (Default)

You may also manually select the input channels you wish to use. Once selected, the system will only switch between these specified channels during input switching.

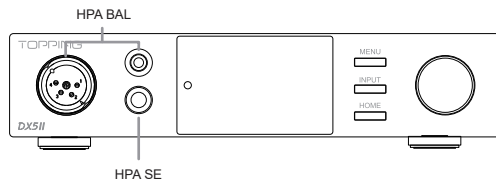
Available input channels include:

- ☒ USB
- ☒ OPT (Optical)
- ☒ COAX (Coaxial)
- ☒ BT (Bluetooth)

### 2. Input channel switching

After configuring the input options, you can press the INPUT button on the front panel or press  button on the remote control to switch the input circularly.

## Output settings

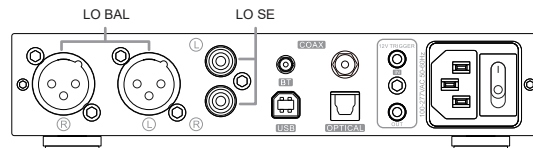


### 1. Output option setting

Since the device supports multiple output channels, switching between them may take some time. To improve efficiency, it is recommended that you preselect commonly used output channels in [Setup menu-Output settings-Output option], which will help reduce the time required for switching.

Available output channels include:

- ☒ All
- ☒ HPA ALL (All Headphone Outputs)
- ☒ LO ALL (All Line Outputs)
- ☐ HPA SE (6.35mm headphone jack)
- ☐ HPA BAL (4.4mm/4-pin-XLR headphone jack)
- ☐ LO SE (RCA)
- ☐ LO BAL (XLR)



### 2. Output channel switching

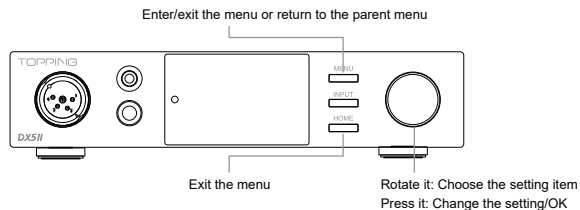
After configuring the output options, you can press the knob on the front panel or press  button on the remote control to switch the output circularly.

\*By default, the knob press function is set to "Output select." If needed, you can change this setting in [Setup-Advanced-Knob press].

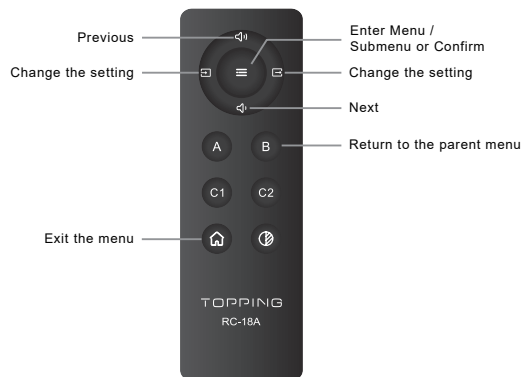
## 7.Setup Menu

### Enter menu and change settings

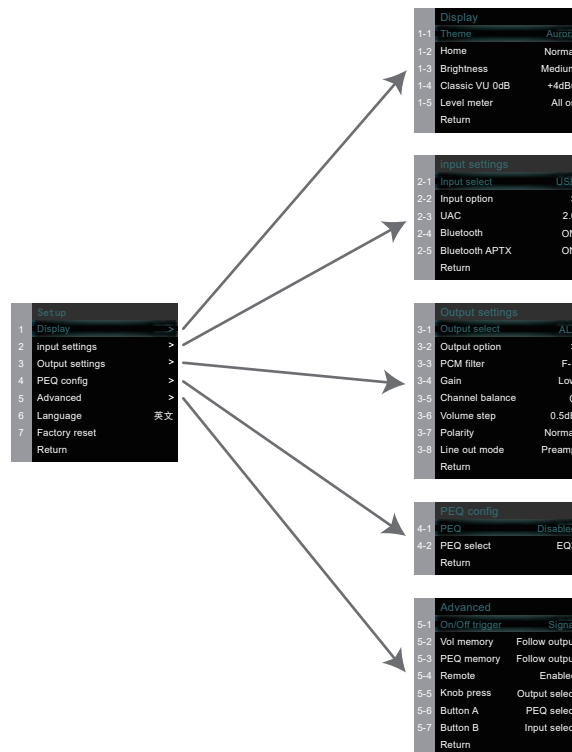
#### 1. Buttons on front panel



#### 2. The remote control



### Menu Overview



## 1. Display

### 1-1 Theme

Multiple options available, default Aurora.

### 1-2 Home

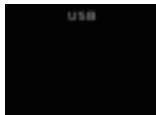
Choose home page

Normal (Default) , VU, FFT

### 1-3 Brightness

Low, Medium (Default) , High, Auto

Auto has the same brightness as Medium. The difference is that when there is no operation after 30 seconds under Auto mode, the screen will be automatically turned off and only display the current input. You can press any button to light up the screen.



### 1-4 Classic VU 0dB

Set 0dB reference voltage for VU meter. For example, if set to +4dBu, when the pointer swings to 0dB, the current output level of the DX5 II is +4dBu. +4dBu (Default) , +10dBu

### 1-5 Level meter

All on (Default) , Normal page, FFT page, All off

## 2. Input settings

### 2-1 Input select

USB (Default) /Input option

### 2-2 Input option

Since the device supports multiple input channels, switching between them may take some time. To improve efficiency, it is recommended that you preselect frequently used input channels in [Setup menu-Input settings-Input option]. This can help reduce the time required for switching input sources.

The system supports two configuration methods: Auto-detect and Manual. You may choose either based on your actual usage needs.

- Auto-detect

The system will automatically detect whether a valid signal is received at each input port. If a valid signal is detected, the corresponding input channel will be added to the input options list. During input switching, the system will cycle through these channels.

- Manual (Default)

You may also manually select the input channels you wish to use. Once selected, the system will only switch between these specified channels during input switching.

Available input channels include:

- ☒ USB
- ☒ OPT (Optical)
- ☒ COAX (Coaxial)
- ☒ BT (Bluetooth)

## 2-3 UAC

UAC2.0 (Default) , UAC1.0

## 2-4 Bluetooth

Enabled (Default) , Disabled

## 2-5 Bluetooth aptX

Enabled (Default) , Disabled

The DX5 II supports multiple Bluetooth codecs. When set to OFF, the APTX-Adaptive will be disabled, allowing the use of other codecs (depending on the phone) .

## 3. Output settings

### 3-1 Output select

ALL (Default) /Output option

### 3-2 Output option

Since the device supports multiple output channels, switching between them may take some time. To improve efficiency, it is recommended that you preselect commonly used output channels in [Setup menu-Output settings-Output option], which will help reduce the time required for switching.

Available output channels include:

- ☒ All
- ☒ HPA ALL (All Headphone Outputs)
- ☒ LO ALL (All Line Outputs)
- ☐ HPA SE (6.35mm headphone jack)
- ☐ HPA BAL (4.4mm/4-pin-XLR headphone jack)
- ☐ LO SE (RCA)
- ☐ LO BAL (XLR)

### 3-3 PCM filter

- F-1: Minimum Phase (Default)
- F-2: Liner Phase Fast Roll-Off Apodizing
- F-3: Liner Phase Fast Roll-Off
- F-4: Liner Phase Fast Roll-Off Low Ripple
- F-5: Liner Phase Slow Roll-Off
- F-6: Minimum Phase Fast Roll-Off
- F-7: Minimum Phase Slow Roll-Off
- F-8: Minimum Phase Slow Roll-Off Low Dispersion

### 3-4 Gain (Headphone gain)

Low (Default) , High

### 3-5 Channel balance

Setting range: C (Balance) , L+0.5~9.5dB or R+0.5~9.5dB. (Default: C)

\*When using the knob on the front panel, press the knob to enter the setting, rotate the knob to set the value, and press the knob again to exit the setting.

### 3-6 Volume step

0.5dB (Default) , 1dB

### 3-7 Polarity

Normal (Default) , Reverse

### 3-8 Line out mode

Preamp: Volume is adjustable. (Default)

DAC: Keep the maximum volume output and the volume is not adjustable.

Note: DAC mode takes effect when only the line output works.

## 4. PEQ config

### 4-1 PEQ

Enabled (Default) , Disabled

| PEQ Support Range |                            |
|-------------------|----------------------------|
| USB IN            | 44.1kHz-192kHz/16bit-32bit |
| COAX/OPT IN       | 44.1kHz-192kHz/16bit-24bit |
| BT IN             | 44.1kHz-96kHz/16bit-24bit  |

### 4-2 PEQ select

Five default preset configurations are provided for users to choose from.

Please note that these default preset configurations are not modifiable.

Additionally, you can save five custom configurations to the DX5 II using the Topping Tune software. The DX5 II can then use these configurations offline.

## 5. Advanced

### 5-1 On/Off trigger

Signal: Input signal will trigger the device to turn on, but if the current input is not connected or input signal is invalid in 1 minute, it will automatically enter the standby state. Once having detected valid signal, it will automatically return to working state. (Default)

12V: 12V signal will trigger the device to turn on. When DX5 II's Trigger In is connected to another device's 12V Trigger Out, DX5 II's on/standby state can be controlled through this device. The DX5 II will remain in standby state until Trigger In detects the signal change from 0V to 12V. When changing back to 0V, the DX5 II will return to standby state.

Off: Disabled this function.

### 5-2 Vol memory

Follow output: Memorizes the volume of each output channel when it was last used. The next time the channel is used, the volume will automatically revert to the volume of its last use (Default).

Follow input: Memorizes the volume of each input channel when it was last used. The next time the channel is used, the volume will automatically revert to the volume of its last use.

Disabled: Disabled this function.

### 5-3 PEQ memory

Follow Output: Memorizes the PEQ configuration used the last time for each output channel, and automatically switches to that configuration the next time the same output channel is used (Default).

Follow Input: Memorizes the PEQ configuration used the last time for each input channel, and automatically switches to that configuration the next time the same input channel is used.

Disabled: Disabled this function.

### 5-4 Remote

Enabled (Default) , Disabled

### 5-5 Knob press

Customize the function of the press knob.

Output select (Default) , Home select, Brightness, Dim screen, Mute, PEQ select, On/Off trigger, PCM filter, Gain, PEQ switch, Input select

### 5-6 Button A

Customizable function for remote control button A

Output select, Home select, Brightness, Dim screen, Mute, PEQ select (Default) , On/Off trigger, PCM filter, Gain, PEQ switch, Input select

### 5-7 Button B

Customizable function for remote control button B

Output select, Home select, Brightness, Dim screen, Mute, PEQ select, On/Off trigger, PCM filter, Gain, PEQ switch, Input select (Default)

## 6. Language

English、中文

## 7. Factory reset

Select factory reset will have a pop-up, select Yes/No (Selected with color), then press the middle button on the remote or the front-panel knob to confirm.

## 8.Trouble shooting

If there are problems during use, please find the corresponding solutions through the following links.

<https://www.toppingaudio.com/faq>

Finding Method: Window OS enters the search by pressing Ctrl and F (Mac OS presses the command and F). Then enter the device model to jump to FQA of the device.

If you still have problems or questions, please contact us: [service@tpdz.net](mailto:service@tpdz.net)

## 9.Precautions

1. Do not keep the unit in a hot, humid environment or hit the unit strongly.
2. Opening the case instantly voids the warranty!
3. Indoor use only.
4. Topping accepts no liability for any loss or damage arising directly or indirectly from the failure of DX5 II.
5. For improvement purposes, specifications subject to changes without prior notice.

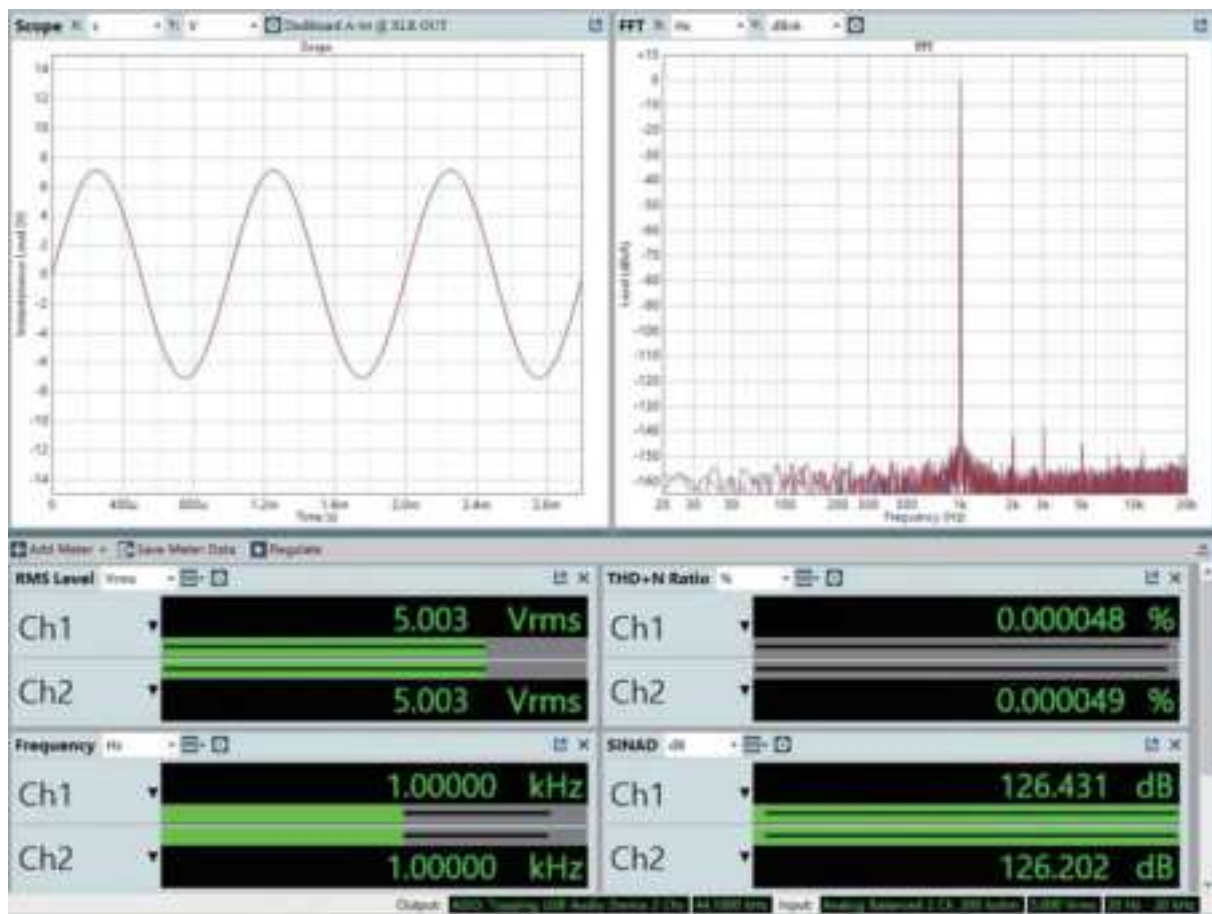
## 10.Specifications

| DX5 II DAC parameters (LineOut/USB In@96kHz) |                            |                            |
|----------------------------------------------|----------------------------|----------------------------|
|                                              | RCA                        | XLR                        |
| THD+N @1kHz (A-wt)                           | <0.00008%                  | <0.00006%                  |
| THD @20-20kHz 90kBw                          | <0.0005%                   | <0.00015%                  |
| SNR @1kHz (A-wt)                             | 128dB                      | 132dB                      |
| Dynamic Range @1kHz (A-wt)                   | 128dB                      | 132dB                      |
| Frequency Response                           | 20Hz-20kHz ( $\pm 0.3$ dB) | 20Hz-20kHz ( $\pm 0.3$ dB) |
|                                              | 20Hz-40kHz ( $\pm 1.0$ dB) | 20Hz-40kHz ( $\pm 1.0$ dB) |
| Output Level                                 | 2.5Vrms @0dBFS             | 5.0Vrms @0dBFS             |
| Noise @A-wt                                  | <1.1uVrms                  | <1.3uVrms                  |
| Channel Crosstalk                            | -135dB @1kHz               | -147dB @1kHz               |
| Channel Balance                              | 0.3 dB                     | 0.3 dB                     |
| Output Impedance                             | 50 $\Omega$                | 100 $\Omega$               |

\*Note: The above data is the result of the test in TOPPING laboratory under AC220V 50Hz condition.

| DX5 II Headphone Amplifier specifications (USB In@96kHz) |                               |                                |
|----------------------------------------------------------|-------------------------------|--------------------------------|
|                                                          | 6.35mm headphone jack         | 4.4mm/4-pin-XLR headphone jack |
| THD+N<br>@1kHz (A-wt)                                    | <0.00008% @Output=200mW (32Ω) | <0.00008% @Output=850mW (32Ω)  |
|                                                          | <0.00007% @Output=22mW (300Ω) | <0.00007% @Output=90mW (300Ω)  |
| THD<br>@20-20kHz (45KBW)                                 | <0.00060% @Output=200mW (32Ω) | <0.00050% @Output=850mW (32Ω)  |
|                                                          | <0.00050% @Output=22mW (300Ω) | <0.00050% @Output=90mW (300Ω)  |
| SNR @MAX OUT 1kHz (A-wt)                                 | 131dB @1kHz                   | 133dB @1kHz                    |
| Dynamic Range @1kHz (A-wt)                               | 131dB @1kHz                   | 133dB @1kHz                    |
| Frequency Response                                       | 20Hz-20kHz (±0.3dB)           | 20Hz-20kHz (±0.3dB)            |
|                                                          | 20Hz-40kHz (±1.0dB)           | 20Hz-40kHz (±1.0dB)            |
| Output Level                                             | 7.2Vpp @G=L                   | 15.0Vpp @G=L                   |
|                                                          | 24.2Vpp @G=H                  | 48.0Vpp @G=H                   |
| Noise (A-wt)                                             | <1.1uVrms @G=L                | <1.6uVrms @G=L                 |
|                                                          | <2.5uVrms @G=H                | <4.3uVrms @G=H                 |
| Channel Crosstalk                                        | -127dB @1kHz                  | -143dB @1kHz                   |
| Gain                                                     | G=L 8.6dB (Vrms/FS)           | G=L 14.6dB(Vrms/FS)            |
|                                                          | G=H 18.7dB (Vrms/FS)          | G=H 24.7dB(Vrms/FS)            |
| Channel Balance                                          | 0.3 dB                        | 0.3 dB                         |
| Output Impedance                                         | <0.1Ω                         | <0.1Ω                          |
| Output Power                                             | 3300mW x 2 @16Ω THD+N<1%      | 7600mW x 2 @16Ω THD+N<1%       |
|                                                          | 2200mW x 2 @32Ω THD+N<1%      | 6400mW x 2 @32Ω THD+N<1%       |
|                                                          | 1160mW x 2 @64Ω THD+N<1%      | 4300mW x 2 @64Ω THD+N<1%       |
|                                                          | 250mW x 2 @300Ω THD+N<1%      | 990mW x 2 @300Ω THD+N<1%       |
|                                                          | 120mW x 2 @600Ω THD+N<1%      | 490mW x 2 @600Ω THD+N<1%       |
| Load impedance                                           | >8Ω                           | >8Ω                            |

\*Note: The above data is the result of the test in TOPPING laboratory under AC220V 50Hz condition.



SNR @ XLR OUT

Signal to Noise Ratio

2023/1/16 11:09:03.882

Ch1

131.812 dB

Ch2

132.132 dB

0 20 40 60 80 100 120 140

Signal to Noise Ratio (dB)

DNR @ MLR OUT

Dynamic Range - AES17

2023/11/16 11:09:19.00

Ch1

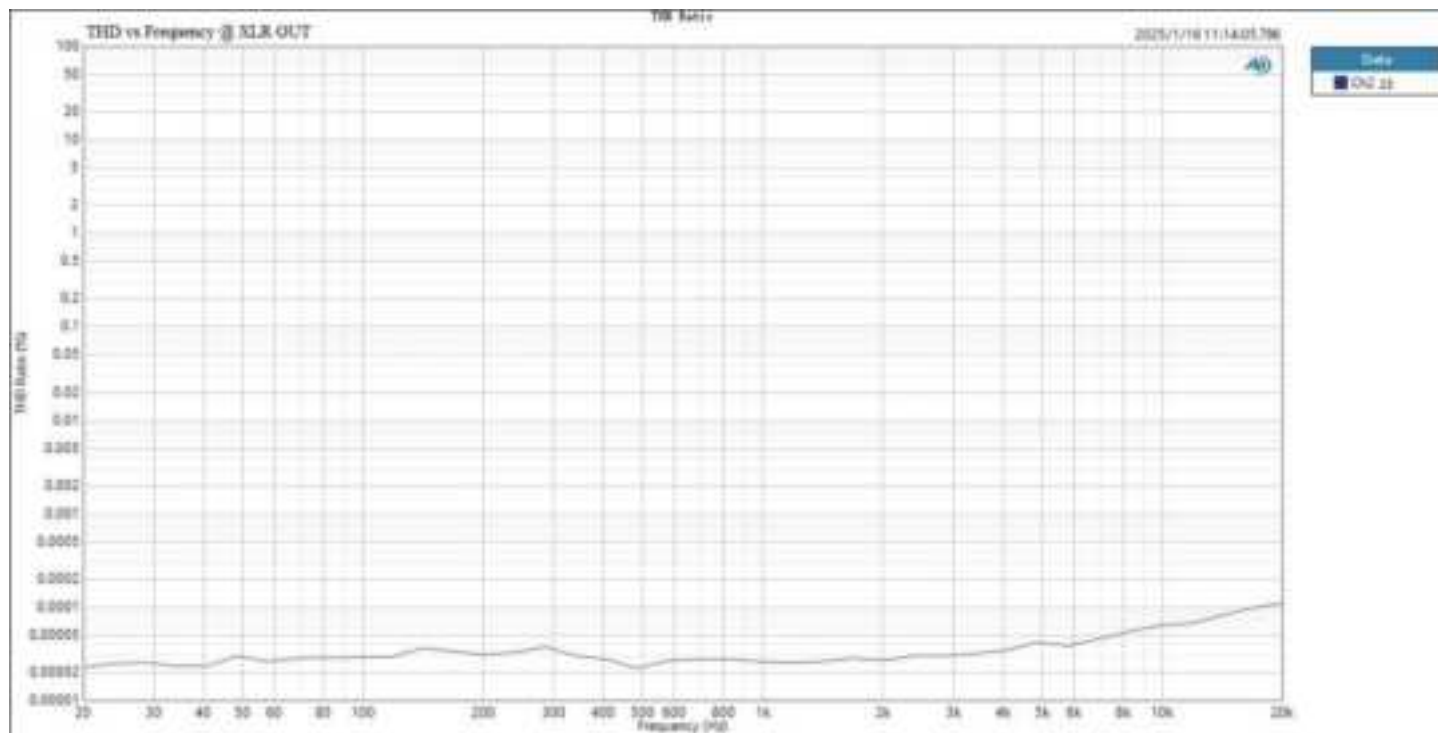
132.038 dB

Ch2

132.429 dB

0 20 40 60 80 100 120 140

Dynamic Range - AES17 (dB)



Frequency Response @ XLR OUT

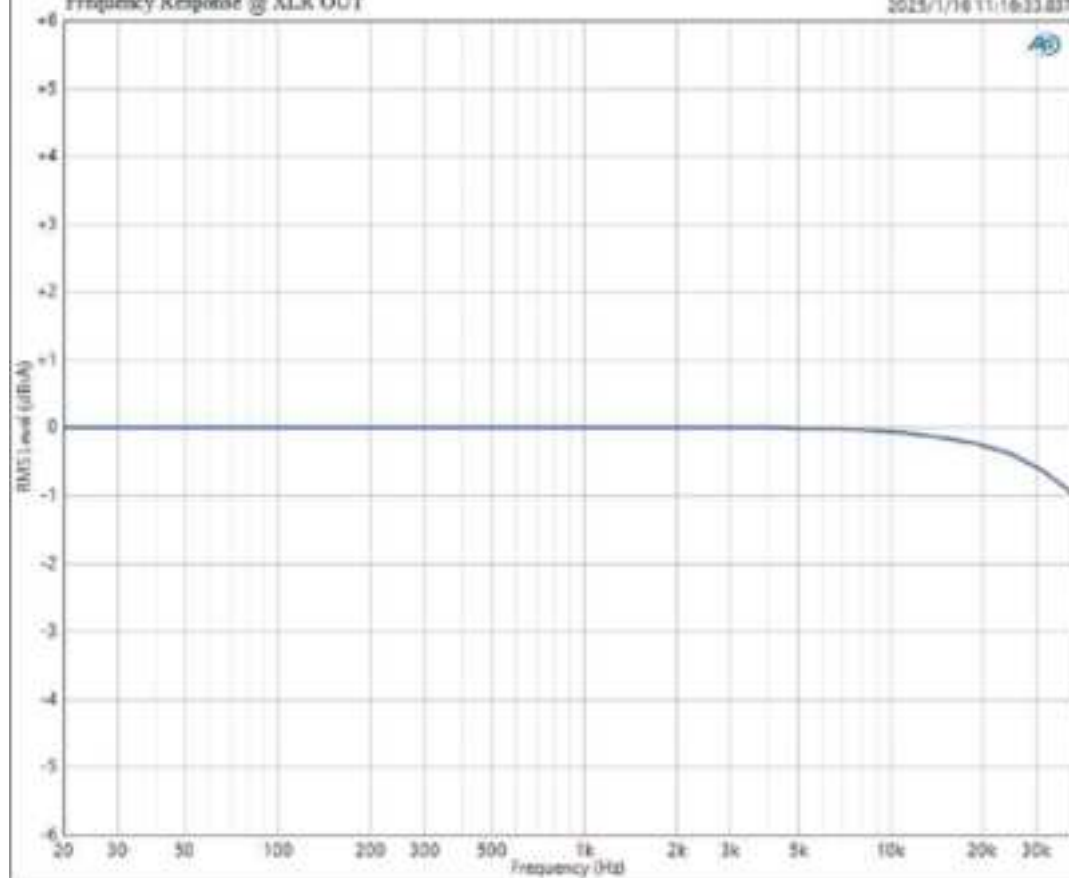
REF Level

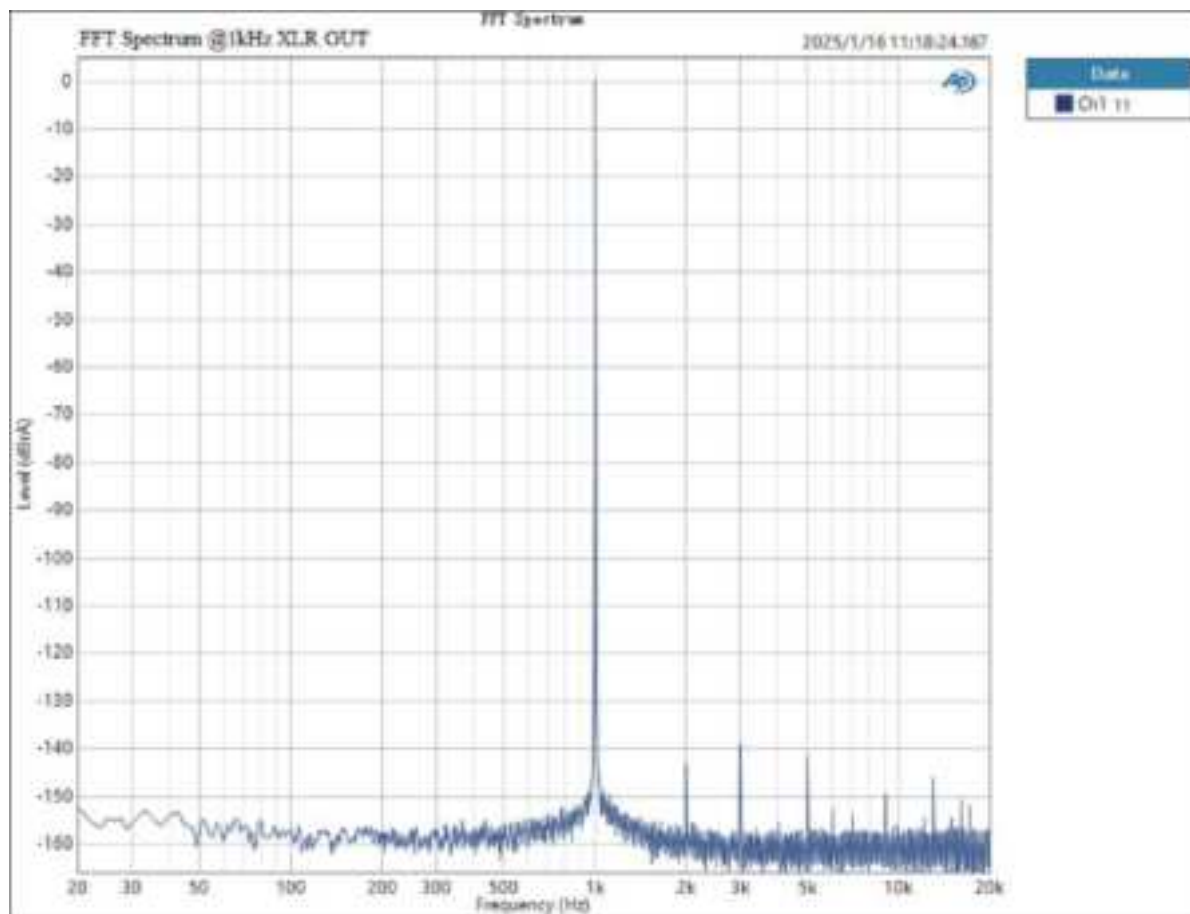
2025/1/16 11:16:33.83T

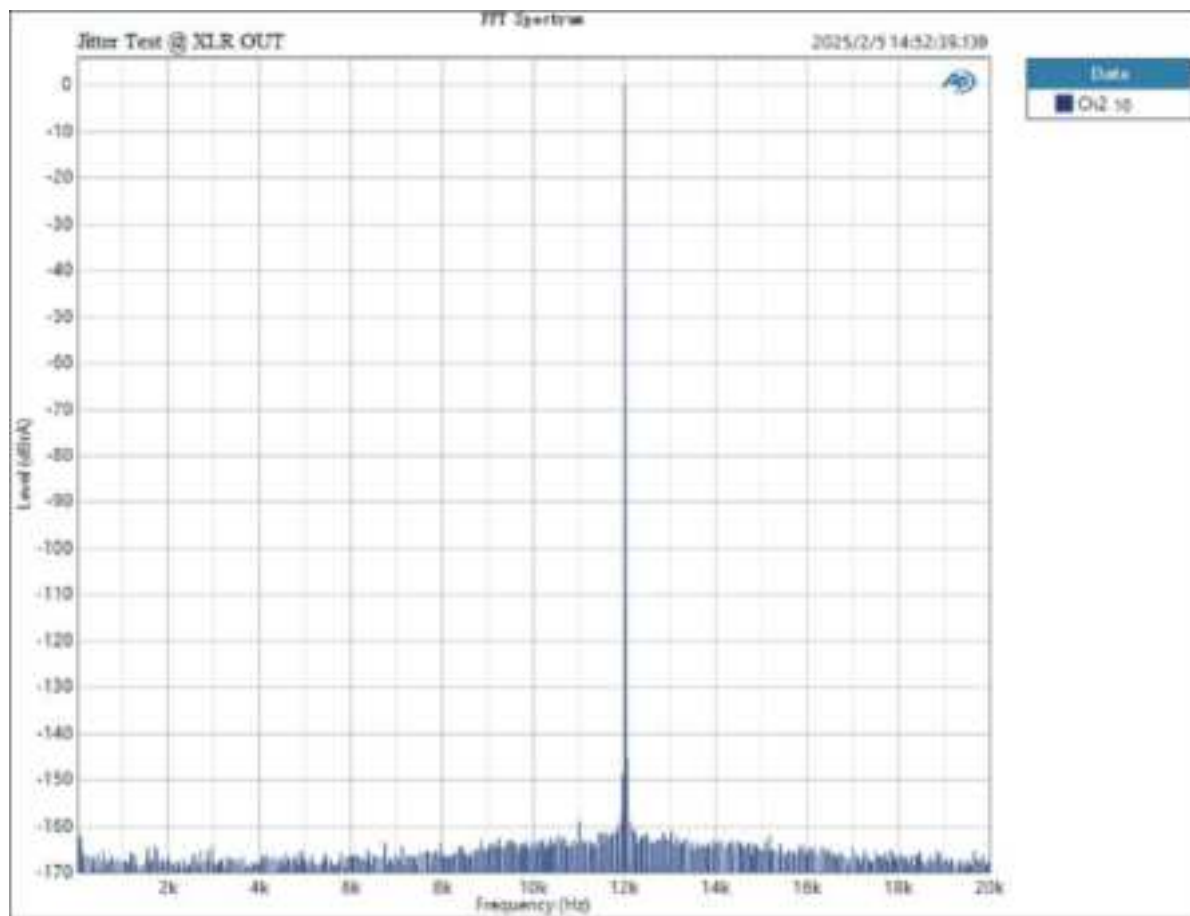


Rate

On 1 16







IMD @ XLR OUT

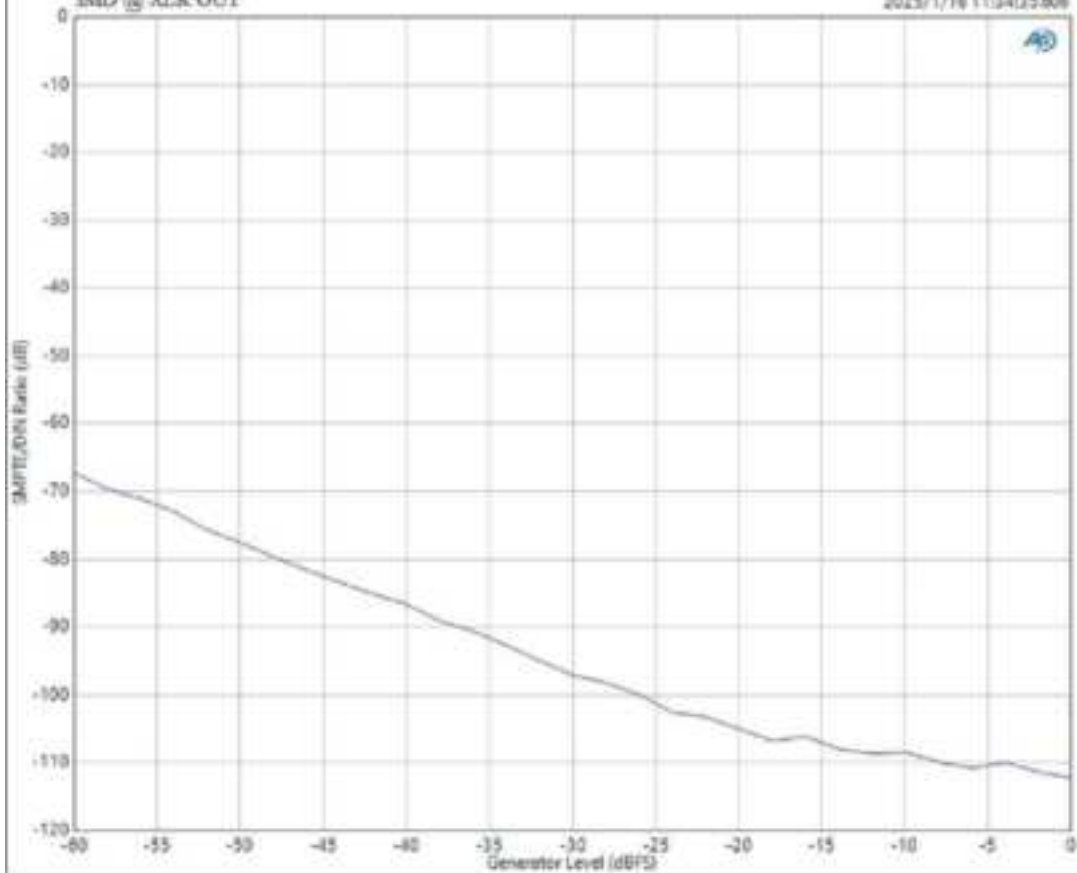
IMD Ratio

2023/1/16 11:34:25.808

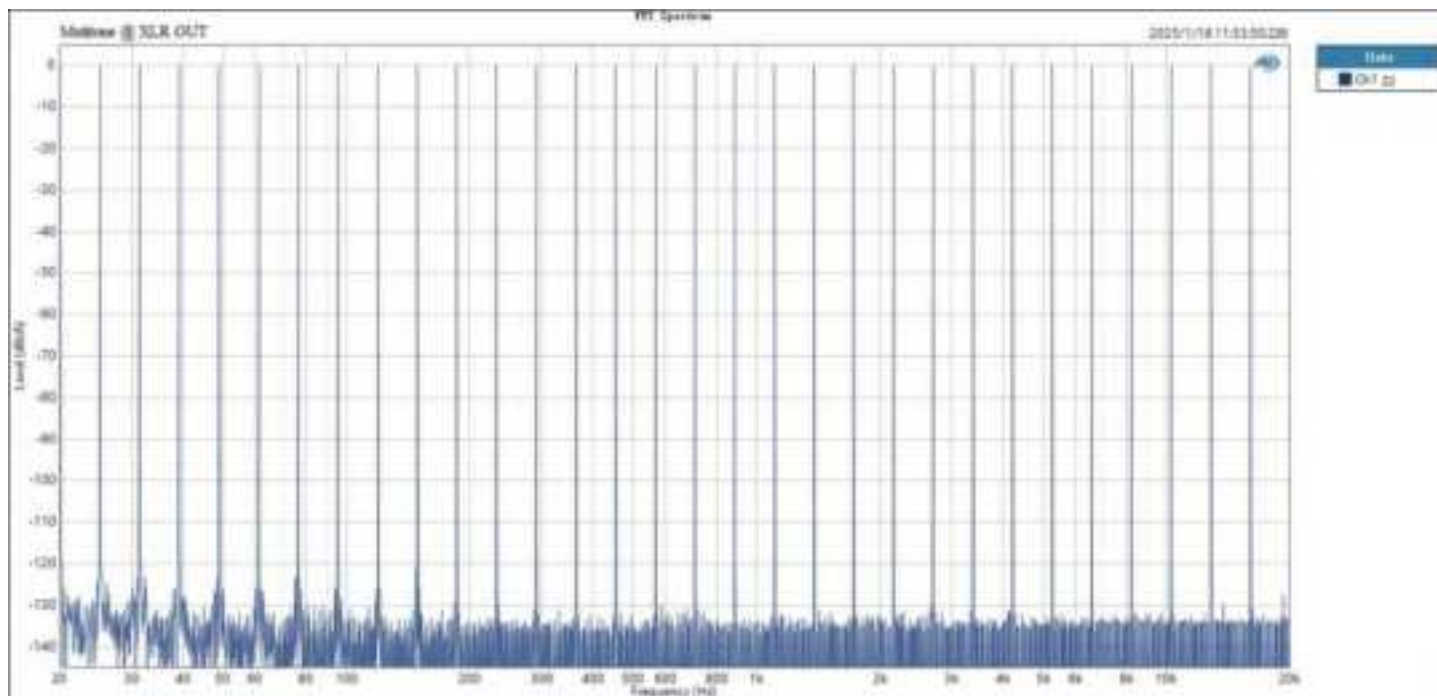


Date

01/12









SNR @ XLB-4 OUT G+H

Signal to Noise Ratio

2023/1/16 12:09:38.115

Ch1

132.813 dB

Ch2

133.313 dB

0 20 40 60 80 100 120 140

Signal to Noise Ratio (dB)

DNR @ XLR-1 OUT G-H

Dynamic Range - AES17

2023/11/16 12:18:13 PM

Ch1

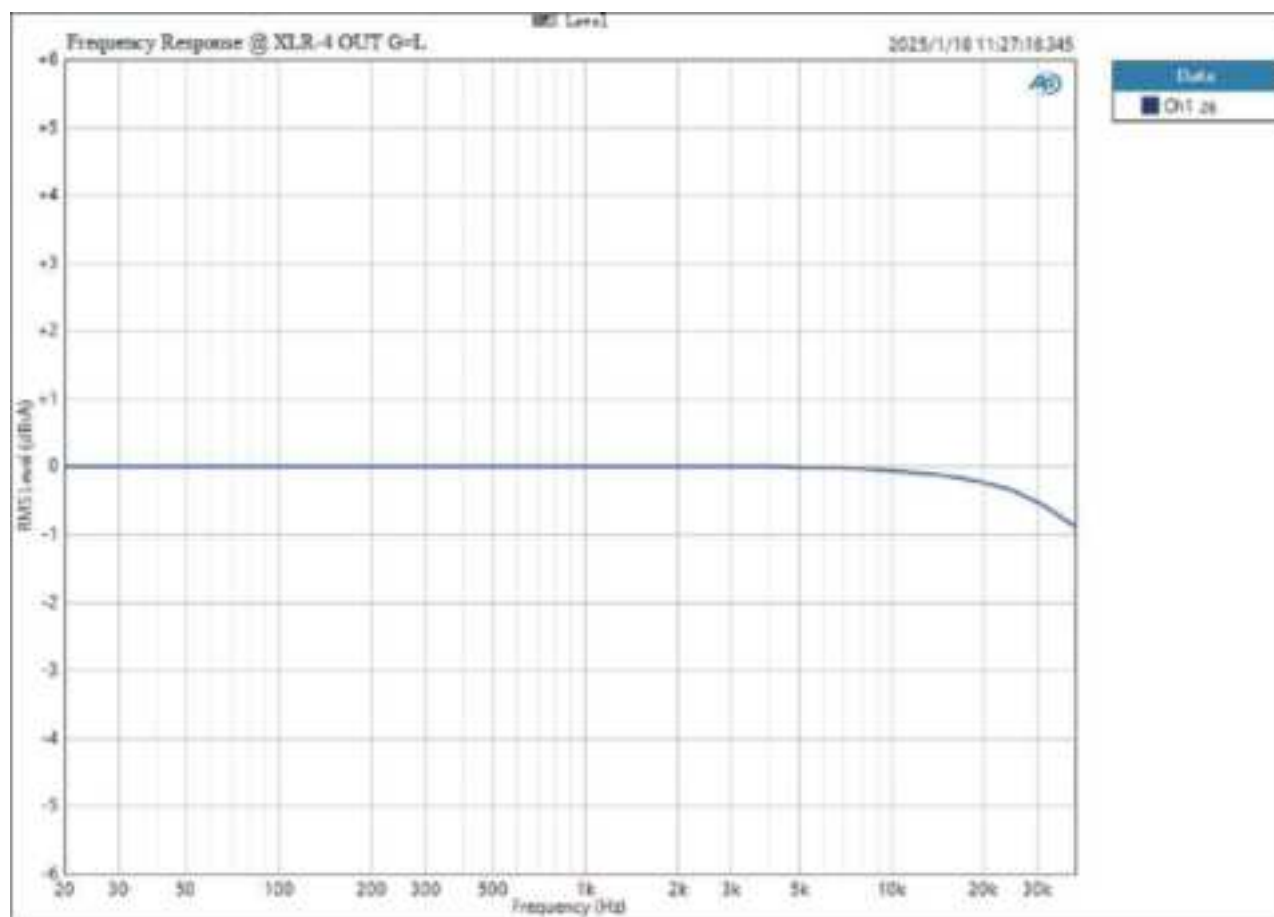
133.097 dB

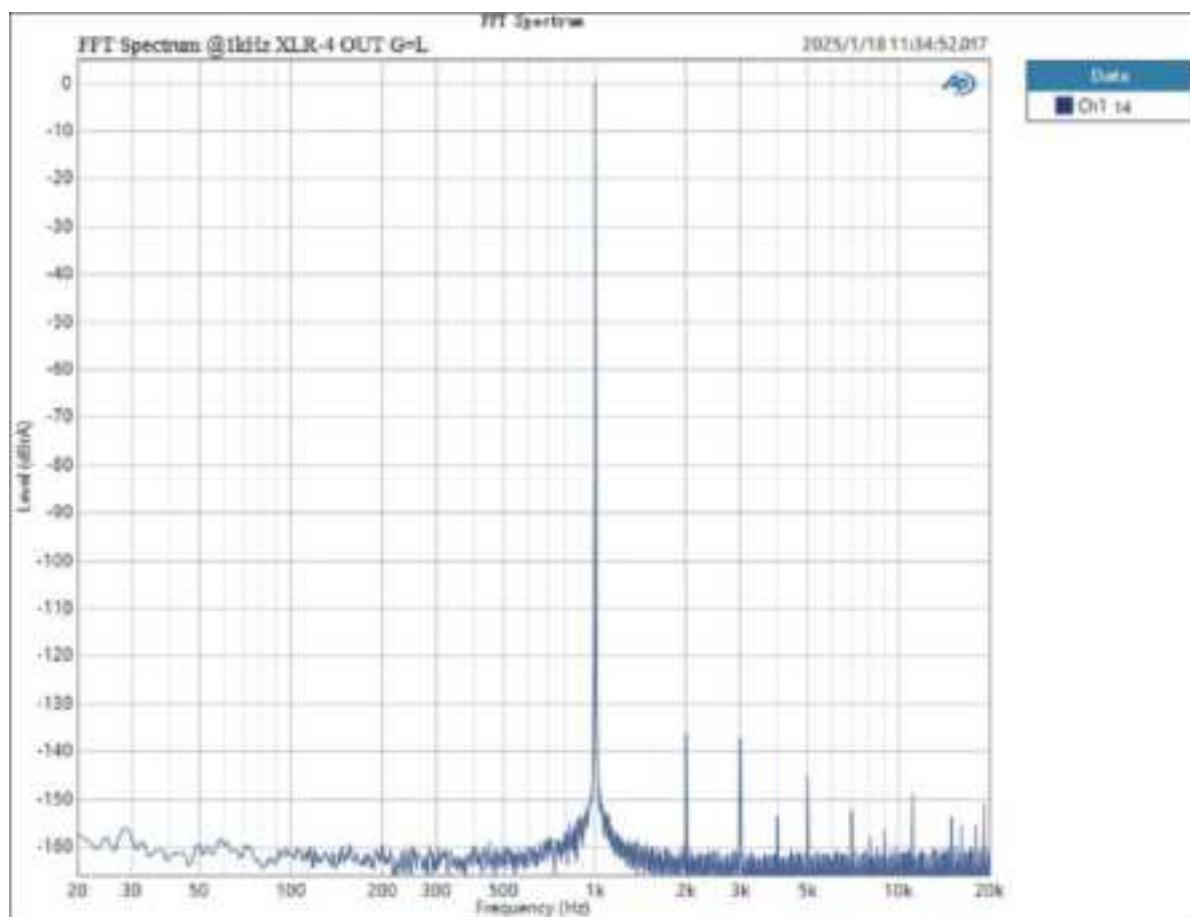
Ch2

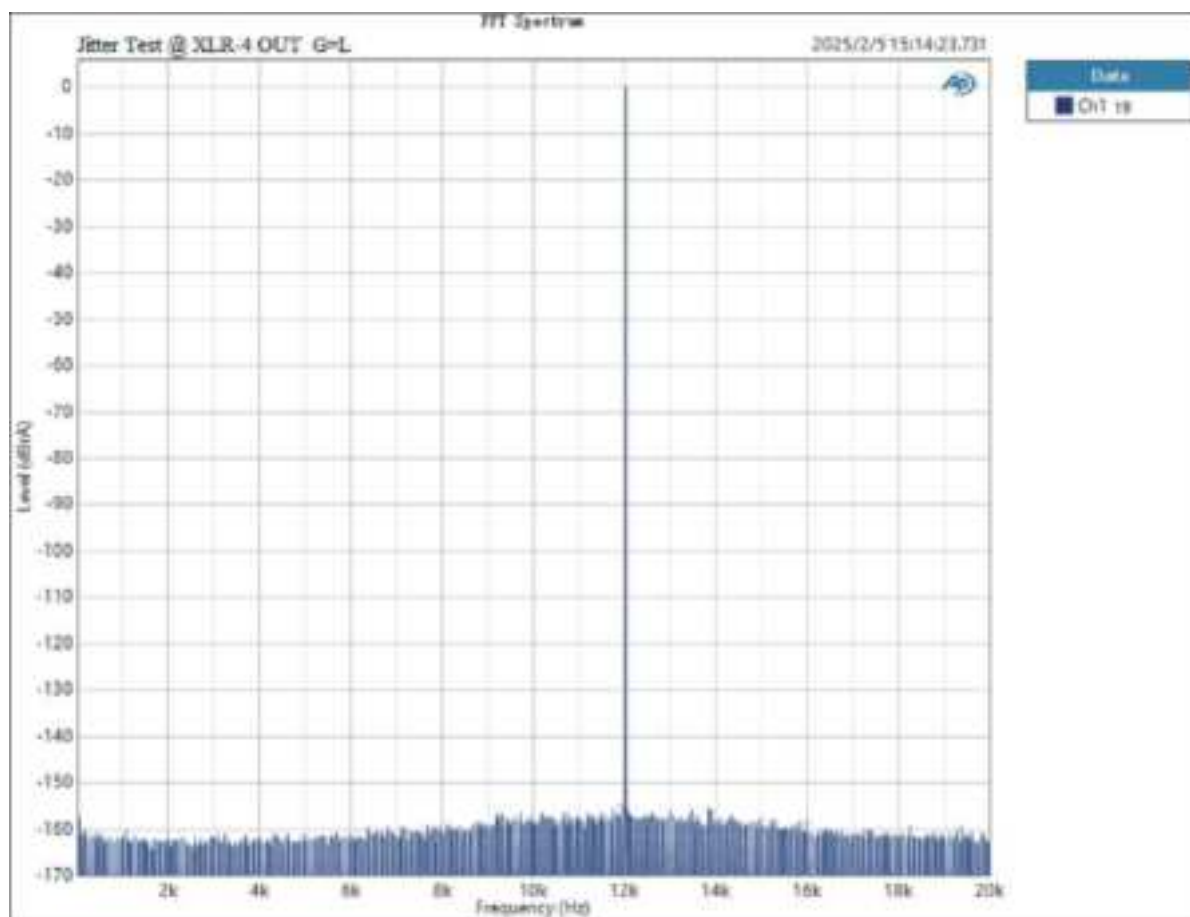
133.425 dB

0 20 40 60 80 100 120 140

Dynamic Range - AES17 (dB)







IMD @ XLR-4 OUT G=L

IMD Ratio

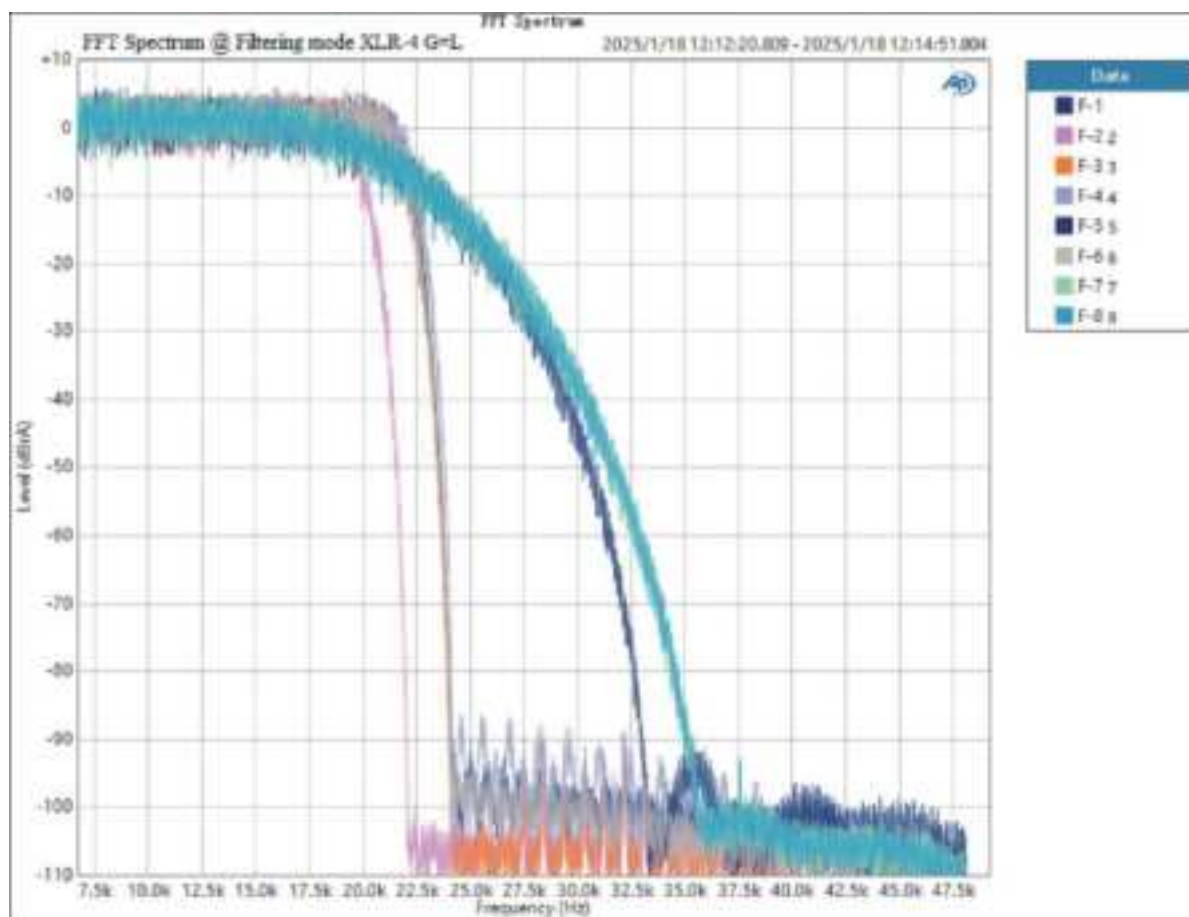
2023/1/16 12:04:10.055

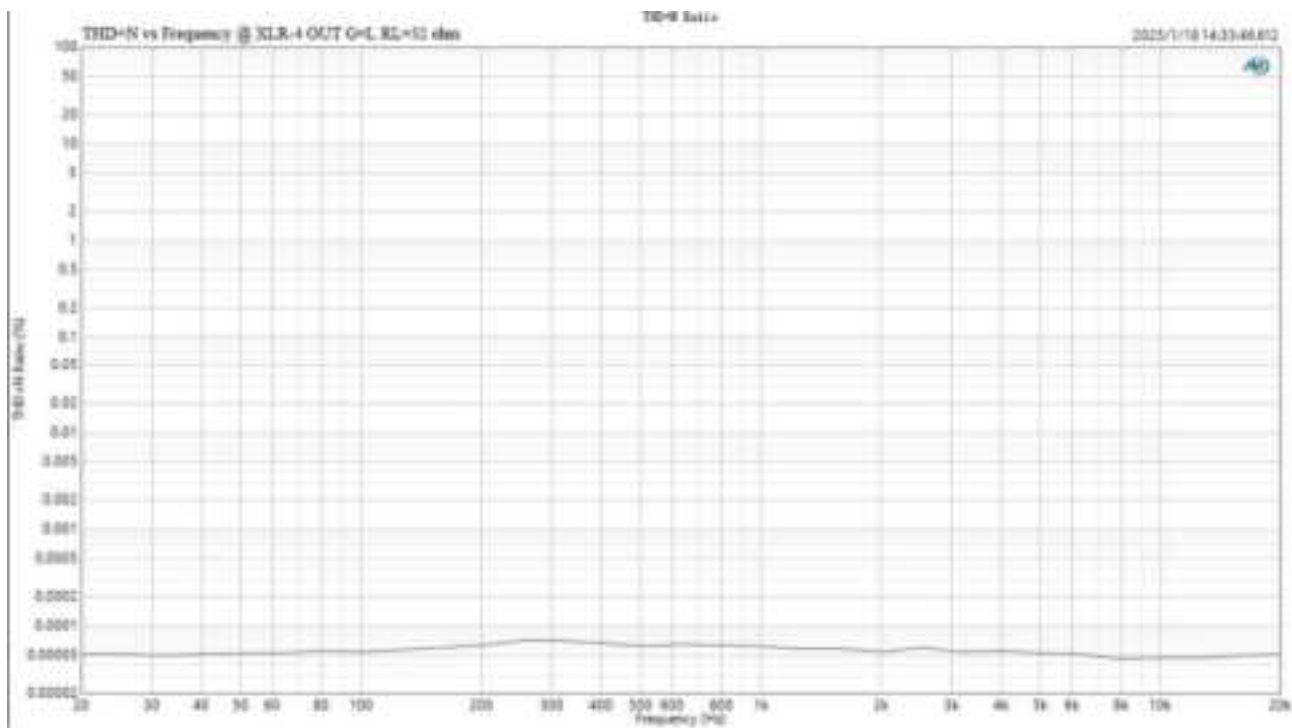


Data

Ch1 15

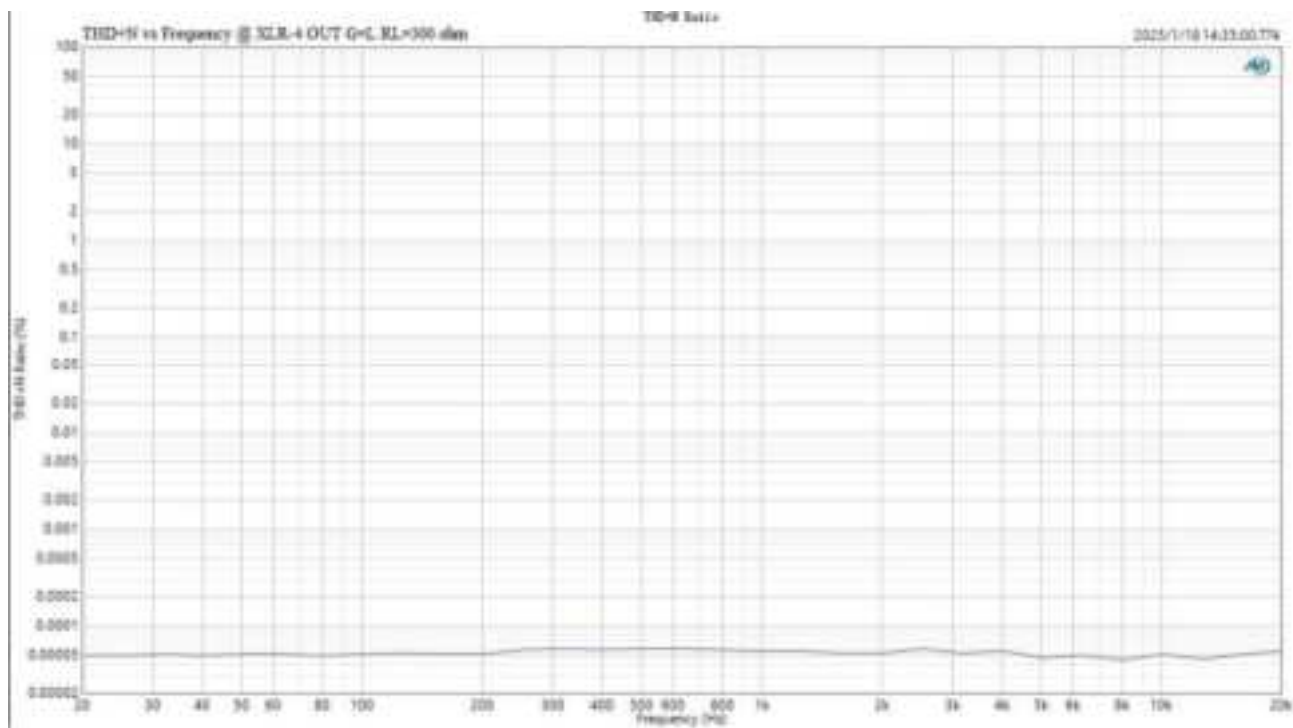






State

ON2 18

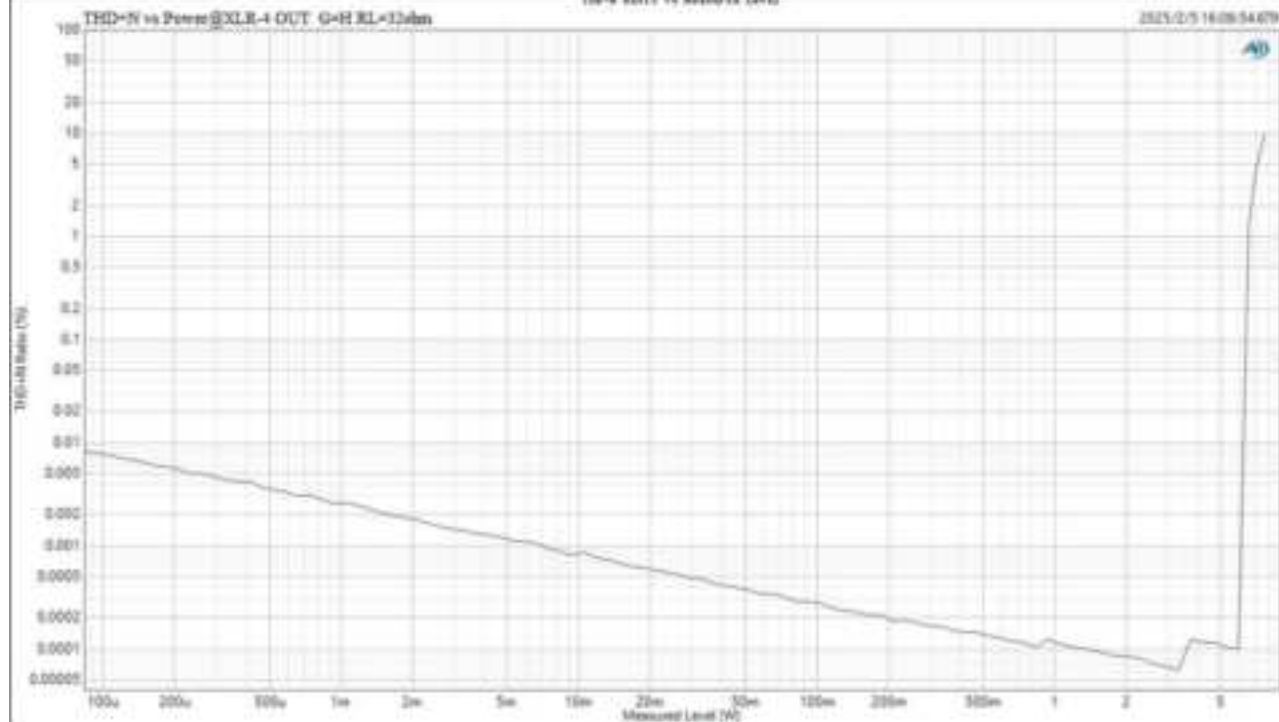


Stats

OUT 28

THD Ratio vs Measured Level

2025/2/3 16:08:54.079



Data

Ch1 07

