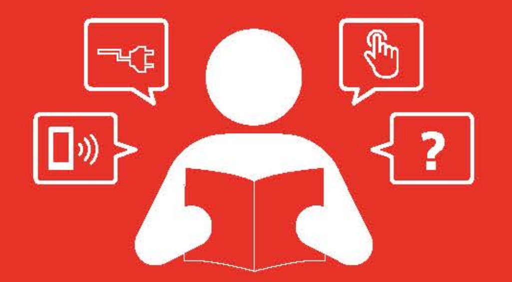
lavaudio
Only for Audiophiles



Desktop Audio Decoder
User Manual

EN:User Manual
ZH:用户手册
DE:Benutzerhandbuch
ES:Manual de usuario
IT:Manuale d'uso
FR:Manuel de l'Utilisateur
JP:ユーザーマニュアル
KO:사용자 매뉴얼

Model: DS601

Lavaudio DS601 is a high-performance desktop DAC with USB, Coaxial, Optical, Bluetooth input and 3.5mm/RCA output. USB of DS601 supports up to PCM 32bit/768kHz and DSD512(Native). DS601 comes with complete digital volume control and OLED display, so it can serve as "DAC+Pre-amplifier". We believe that Lavaudio DS601 will bring you more HiFi music experience and fun.

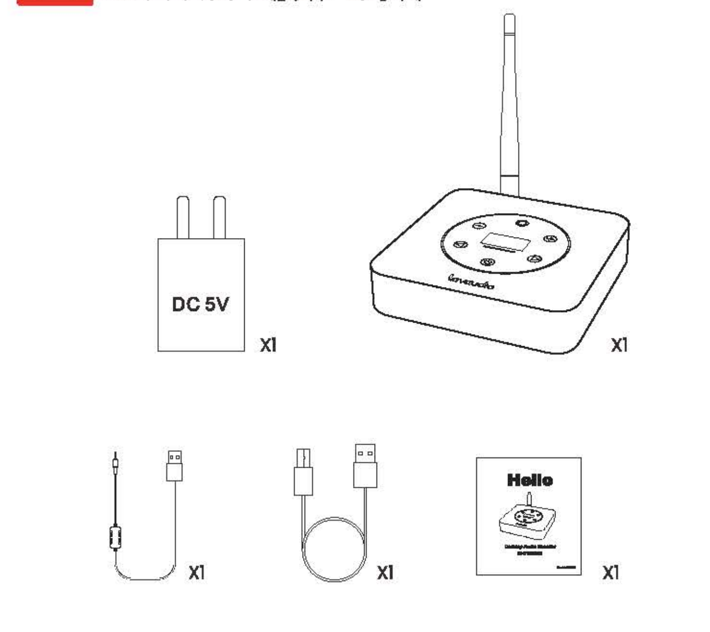
1.Specifications

USB Input	16bit/44.1kHz-32bit/768kHz DSD64-DSD512(Native)
Optical/ Coaxial input	16bit/44.1kHz-24bit/192kHz
Bluetooth Input	AAC/SBC/APTX/APTX LL/APTX HD/LDAC
Power supply	DC5V/1A
Size	115x115x25mm
Weight	484g

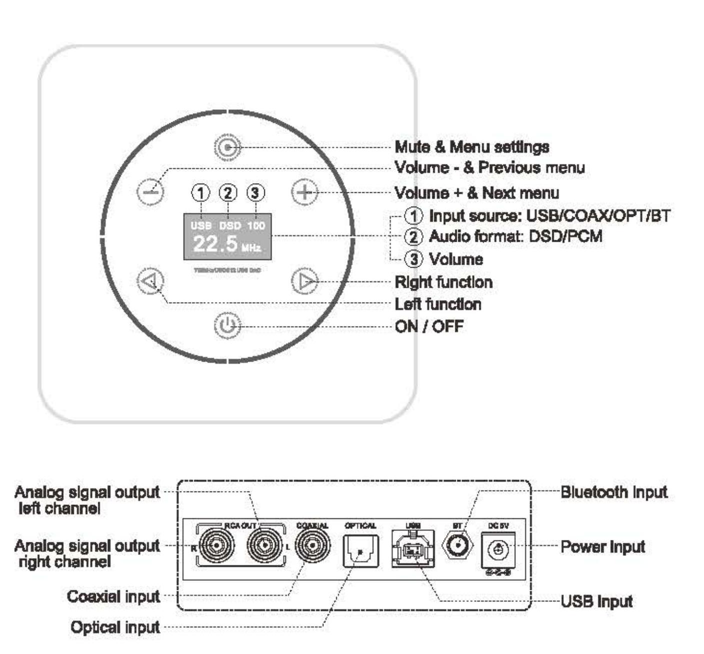
2.Product parameters

Output Voltage	2Vrms@0dBFS
THD+N	<0.0002%@1kHz A-weighing
Noise	<2uVrms@A-weighing
Crosstalk	-112dB@1kHz
SNR	122dB
Output Impedance	10Ω

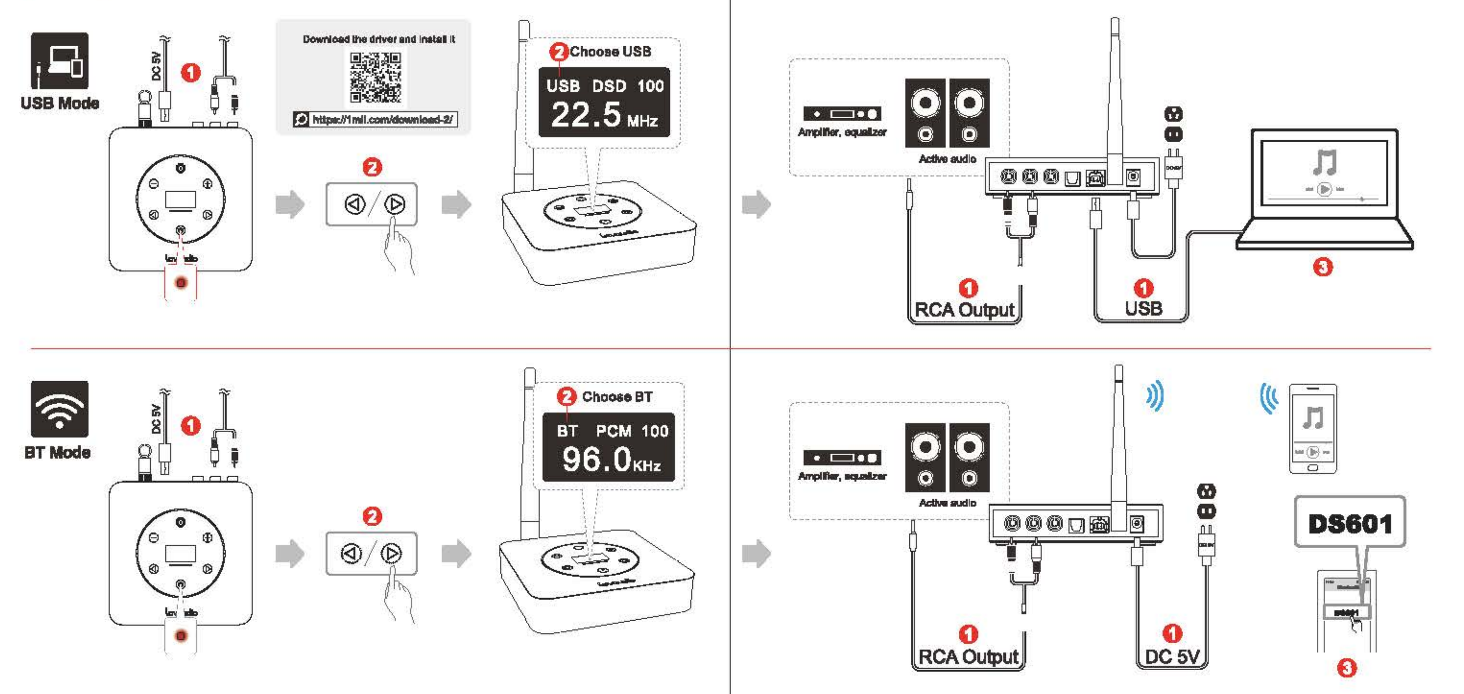
EN:In the box ZH:包装内容 DE:In der Box
ES:En el cuadro IT:Nella scatola Prodotto
FR:Dans la boite JP:箱の中に KO:상자에



EN:Product overview ZH:产品概述
DE:Produktübersicht ES:Descripción del producto
IT:Panoramica del Prodotto FR:Présentation du produit
JP:製品の概要 KO:제품 개요



EN:Control functions ZH:功能操作
DE:Steuerfunktionen ES:Funciones de control
IT:Funzioni di controllo FR:Fonctions de contrôle
JP:制御機能 KO:제어 기능



EN: Instructions
USB Mode:
❶ Plug in the DC power supply device to turn on DS601 and connect it with USB cable to computer, then use the RCA cable to connect to other devices such as audios or power amplifiers.
❷ Click the ◁/▷ button to select the input mode "USB".
❸ Adjust an appropriate volume to enjoy HiFi music.
Note: For Windows users, the driver needs to be installed when using it for the first time. Please refer to "DS601 Driver & Installation Guide" and "DS601- Player Foobar2000 & JR".

BT Mode:
❶ Plug in the DC power supply and DS601 will automatically turn on. Use the RCA cable connect to other devices such as speakers or power amplifiers.
❷ Click the ◁/▷ button to select the input mode "BT".
❸ Turn on the Bluetooth on mobile phone and pair with "DS601" to enjoy HiFi music.

ZH: 使用说明
USB模式：
❶ 插入直流电源设备将会自动开机，然后用USB线将DS601与电脑连接，用RCA线连接音响或功放等其他设备。
❷ 单击◁/▷键选择输入模式为USB。
❸ 调节适当的音量，即可欣赏HIFI音乐。
注意：对于Windows用户，首次使用时需要安装驱动程序。
请参阅 "DS601 Driver & Installation Guide" 和 "DS601- Player Foobar2000 & JR" 。

BT模式：
❶ 插入直流电源设备将会自动开机，用RCA线连接音响或功放等其他设备。
❷ 单击◁/▷键选择输入模式为BT。
❸ 打开手机上的蓝牙，选择 "DS601" 连接即可享受HiFi音乐。

DE: Anweisungen
USB Modus:
❶ Schließen Sie das DC-Netzteil an, um das DS601 einzuschalten, und verbinden Sie es mit dem USB-Kabel mit dem Computer. Verwenden Sie dann das Cinch-Kabel, um andere Geräte wie Audiogeräte oder Leistungsverstärker anzuschließen.
❷ Klicken Sie auf die Schaltfläche ◁/▷, um den Eingabemodus „USB" auszuwählen.
❸ Stellen Sie eine geeignete Lautstärke ein, um HiFi-Musik zu genießen.
Hinweis: Für Windows-Benutzer muss der Treiber bei der ersten Verwendung installiert werden.
Siehe "DS601 Driver & Installation Guide" und "DS601-Player Foobar2000 & JR".

BT Modus:
❶ Schließen Sie das DC-Netzteil an und DS601 schaltet sich automatisch ein. Verwenden Sie das Cinch-Kabel, um andere Geräte wie Lautsprecher oder Leistungsverstärker anzuschließen.
❷ Klicken Sie auf die Schaltfläche ◁/▷, um den Eingabemodus „BT" auszuwählen.
❸ Schalten Sie Bluetooth am Mobiltelefon ein und koppeln Sie es mit "DS601", um HiFi-Musik zu genießen.

ES: Instrucciones
Modo USB:
❶ Enchufe el dispositivo de alimentación de CC para encender el DS601 y conéctelo con un cable USB a la computadora, luego use el cable RCA para conectarse a otros dispositivos como audios o amplificadores de potencia.
❷ Haga clic en el botón ◁/▷ para seleccionar el modo de entrada "USB".
❸ Ajuste un volumen apropiado para disfrutar de la música de alta fidelidad.
Nota: Para los usuarios de Windows, es necesario instalar el controlador cuando se usa por primera vez.
Consulte " DS601 Driver & Installation Guide "y" DS601- Player Foobar2000 y JR ".

Modo BT:
❶ Enchufe la fuente de alimentación de CC y DS601 se encenderá automáticamente. Utilice el cable RCA para conectarlo a otros dispositivos como altavoces o amplificadores de potencia.
❷ Haga clic en el botón ◁/▷ para seleccionar el modo de entrada "BT".
❸ Encienda el Bluetooth en el teléfono móvil y empareje con "DS601" para disfrutar de la música de alta fidelidad.

IT: Istruzioni
Modalità USB:
❶ Collegare il dispositivo di alimentazione CC per accendere DS601 e collegarlo con il cavo USB al computer, quindi utilizzare il cavo RCA per connettersi ad altri dispositivi come audio o amplificatori di potenza.
❷ Fare clic sul pulsante ◁/▷ per selezionare la modalità di ingresso "USB".
❸ Regolare un volume appropriato per ascoltare la musica HiFi.
Nota: per gli utenti Windows, il driver deve essere installato quando lo si utilizza per la prima volta.
Fare riferimento a "DS601 Driver & Installation Guide" e "DS601- Player Foobar2000 & JR".

Modalità BT:
❶ Collegare l'alimentatore CC e DS601 si accenderà automaticamente. Usa il cavo RCA per connetterti ad altri dispositivi come altoparlanti o amplificatori di potenza.
❷ Fare clic sul pulsante ◁/▷ per selezionare la modalità di ingresso "BT".
❸ Attivare il Bluetooth sul telefono cellulare e associarlo a "DS601" per ascoltare la musica HiFi.

FR: Instructions
Mode USB :
❶ Branchez le dispositif d'alimentation CC pour allumer le DS601 et connectez-le avec un câble USB à l'ordinateur, puis utilisez le câble RCA pour vous connecter à d'autres appareils tels que des audios ou des amplificateurs de puissance.
❷ Cliquez sur le bouton ◁/▷ pour sélectionner le mode d'entrée « USB ».
Réglez un volume approprié pour profiter de la musique HiFi.
Remarque: pour les utilisateurs de Windows, le pilote doit être installé lors de sa première utilisation.
Veuillez vous référer à " DS601 Driver & Installation Guide " et " DS601- Player Foobar2000 & JR".

Mode BT:
❶ Branchez l'alimentation CC et le DS601 s'allumera automatiquement. Utilisez le câble RCA pour connecter à d'autres appareils tels que des haut-parleurs ou des amplificateurs de puissance.
❷ Cliquez sur le bouton ◁/▷ pour sélectionner le mode d'entrée « BT ».
Activez le Bluetooth sur le téléphone mobile et associez-le à "DS601" pour profiter de la musique HiFi.

JP: 手順
有線モード:
❶DC電源装置を接続してDS601の電源を入れ、USBケーブルでコンピューターに接続してから、RCAケーブルを使用してオーディオやパワーアンプなどの他の装置に接続します。
❷◁/▷ボタンをクリックして入力モード「USB」を選択します。
❸HiFi音楽を楽しむために適切な音量を調整します。
注：Windowsユーザーの場合、初めて使用するときにドライバーをインストールする必要があります。
「DS601ドライバおよびインストールガイド」および「DS601-プレーヤー」を参照してください「Foobar2000 & JR」。

ワイヤレスモード:
❶DC電源を接続すると、DS601が自動的にオンになります。スピーカーやパワーアンプなどの他のデバイスに接続するRCAケーブルを使用してください。
❷◁/▷ボタンをクリックして入力モード「BT」を選択します。
❸携帯電話のBluetoothをオンにし、「DS601」とペアリングしてHiFi音楽をお楽しみください。

KO: 지침
유선 모드:
❶ DC 전원 공급 장치를 연결하여 DS601을 켜고 USB 케이블로 컴퓨터에 연결한 다음 RCA 케이블을 사용하여 오디오 또는 파워 앰프와 같은 다른 장치에 연결합니다.
❷ ◁/▷ 버튼을 클릭하여 "USB" 입력 모드를 선택합니다.
❸ HiFi 음악을 즐기기 위해 적절한 볼륨을 조절하세요.
참고: Windows 사용자의 경우 처음 사용할 때 드라이버를 설치해야 합니다.
"DS601 드라이버 및 설치 안내서" 및 "DS601- Player"를 참조하십시오.
Foobar2000 & JR".

무선 모드:
❶ DC 전원을 연결하면 DS601이 자동으로 켜집니다. RCA 케이블을 사용하여 스피커나 파워 앰프와 같은 다른 장치에 연결합니다.
❷ ◁/▷ 버튼을 클릭하여 "BT" 입력 모드를 선택합니다.
❸ 휴대폰의 블루투스를 켜고 "DS601"과 페어링하여 HiFi 음악을 감상하세요.

System setting interface

FILTER brick wall	Bluetooth YES
DISPLAY AUTO SHUTDOWN	FACTORY RESET

1) Filter mode when playing PCM format,MODE1-MODE7.
MODE1: Apodizing fast ro ll-off filter
MODE2: Linear phase fast roll-off filter
MODE3: Linear phase slow roll-off filter
MODE4: Mininum phase fast roll-off filter
MODE5: Mininum phase slow roll-off filter
MODE6: Corrected mininum phase fast roll-off filterMODE7 : brick wall filter
2) Bluetooth system settings
3) Screen saver settings
Optional screen always on and automatic screen off
4) Factory data reset
The default values of the system parameters of 1-3are:MODE1,Bluetooth on, Automatic screen off.
Note: When entering the system parameter setting interface,it will automaticallyexit it if there is no operation after 10 seconds

Troubleshooting

Troubleshooting	Cause Analysis	Solution
Noise when COAX / OP input	Signal format error or out of range	Check the input signal format
USB does not recognize	Incorrect USB connection	Check or replace the USB cable
	Computer USB port damaged	Change another interface
	OS problem	Reinstall the OS
	Driver problem	Reinstall driver
No sound when USB input	Computer volume is too low	Adjust volume
Intermittent when USB input	PC is busy and the machine is hung	Waiting for computer recovery
USB input, pop sound	Software problem	Update motherboard drivers and system patches
If you still have problem or question, please contact us (support@ankbit.com)		

Daily Use

1) Never pull out the USB cable while connected to a computer and using the audio output.
2) The output signal of this machine must not be grounded or shorted.
3) Do not leave the machine in a high temperature and humid environment, let it in rain or drop it.
4) Never open the case by youself.The machine should be repaired by 1Mii Service.
5) This machine is intended for indoor use only.

The product driver and electronic file manual can be downloaded from www.1mii.com

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by 1Mii Ltd. is under license. Other trademarks and trade names are those of their respective owners.

FCC:
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. Changes or modifications not expressly approved by 1Mii Ltd. will void the user's authority to operate the equipment. 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 to an electrical outlet on a different circuit to that which the receiver is connected.
- Consult the manufacturer or an experienced radio/TV technician for help.

This product, like other radio devices, emits radiofrequency electromagnetic energy and operates within the guidelines found in radio frequency safety standards and recommendations. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

CE
1Mii Ltd. hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address: www.1mii.com

In accordance with Article 10(2) and Article 10(10), this product is allowed to be used in all EU member states.

Shenzhen 1Mii Technologies Limited
Baoan District, Shenzhen 518100 China

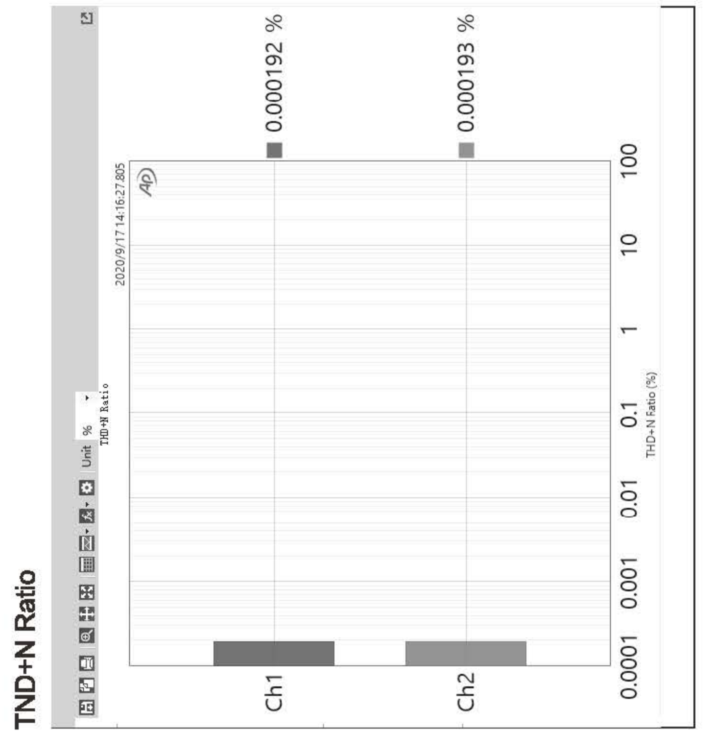
EU Importer:
eVatmaster Consulting GmbH
Bettina. 30,60325 Frankfurt am Main, Germany

Warranty
Warranty service is limited to normal use. Any man-made damages such as from connecting to an unsuitable power source, using an unsuitable device, or not following the instructions, as well as damages that did not occur during shipping, repairs, and adjustments not approved by the company, damages from misuse, inattention, or improper installation may cause the warranty to be ineffective immediately. This warranty does not include shipping fees.

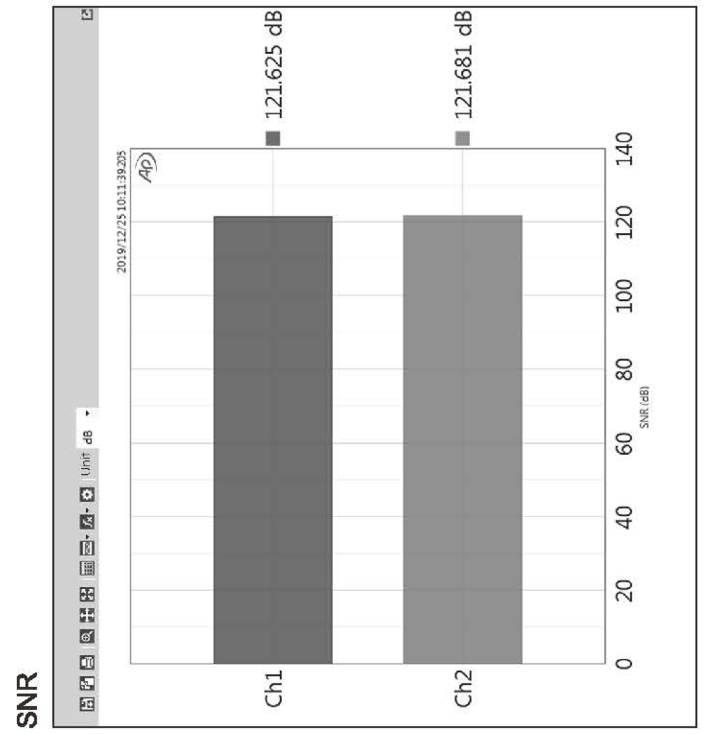
Disposal
Always dispose of the used appliance at a recycling centre.
Do not dispose the used appliance together with household waste.

Qualcomm aptX is a product of Qualcomm Technologies, Inc. and/or its subsidiaries.

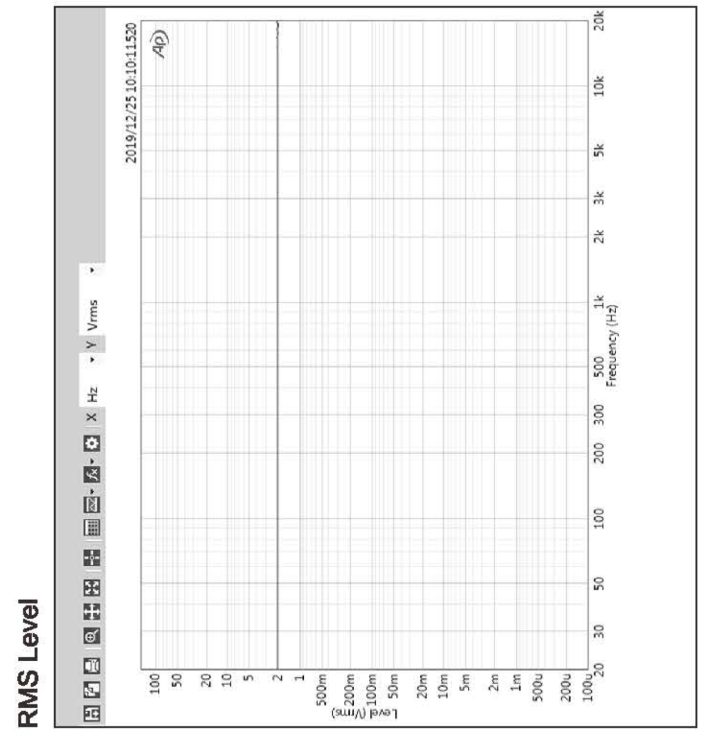
TND+N Ratio



SNR



RMS Level



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Scan the code to get more information.
扫描二维码以获取更多信息。
Scannen Sie den Code, um weitere Informationen zu erhalten.
Escanee el código para obtener más información.
Scansiona il codice per ottenere maggiori informazioni.
Scannez le code pour obtenir plus d'informations.
コードをスキャンして、詳細情報を取得します。
자세한 정보를 얻으려면 코드를 스캔하십시오.

Manufacturer: ShenZhen Ankbit Electronics Limited
Address: Runfeng Industrial Park, No. 4197 Baoan Blvd., Xixiang St., Baoan Dist., Shenzhen, China
Operator: ShenZhen 1Mii Technologies Limited
Address: Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, China

We hope you never have the need, but if you do, our service is friendly and hassle-free.
support@1mii.com web: www.1mii.com

FCC ID: 2AUFR-DS601

CE RoHS

MADE IN CHINA

说明书黑白装订 105g铜板纸+专色
说明书装订后成品尺寸： 98X110mm

项目名称	DS601	备注	
物料名称	DS601 说明书	版本	
物料编号		制作	Winson
物料尺寸	98*110mm	日期	2021/12/24