

TOPPING<sup>TM</sup>

*D50*

User 's manual

Thank you for purchasing Topping DAC D50!

D50 is a high performance DAC with USB, coaxial and optical three kinds of input signal. USB DAC is compatible with 768kHz/32Bit and DSD512. D50 is designed to full digital volume control and equipped with OLED display screen. It can be used as not only a DAC but also preamplifier. We believe that high-quality D50 could bring you more fun at enjoying HIFI music.

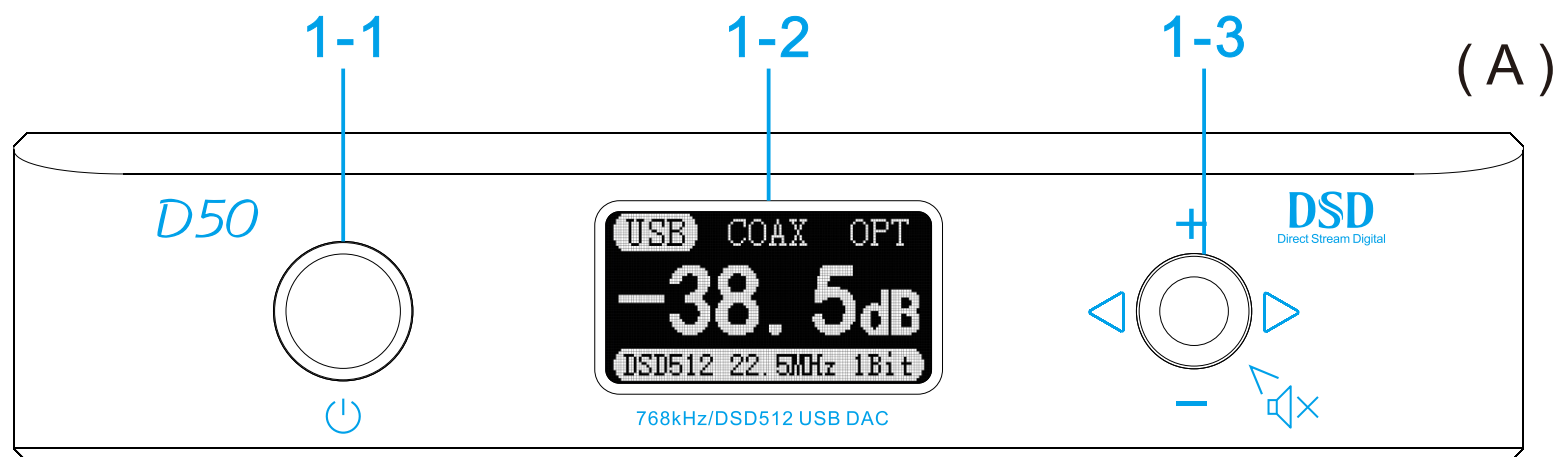
## Contents list

D50	x 1
DC cable	x 1
USB cable	x 1
User's manual	x 1
Warranty card	x 1

(You can download the drivers and user's manual on <http://www.tpdz.net/>.)

## Front panel

- 1-1 Power button : Short press to power on or enter/exit the system settings interface, long press to power off.
- 1-2 OLED screen
- 1-3 Multi-function rocker : In system main interface, turn Left/ Right to switch input signal, turn Up/ Down to control volume, press it to set mute; In system settings interface, turn Up/ Down to choose setting, turn Left/Right to set parameters.



## Rear panel

2-1 R channel of AUX output

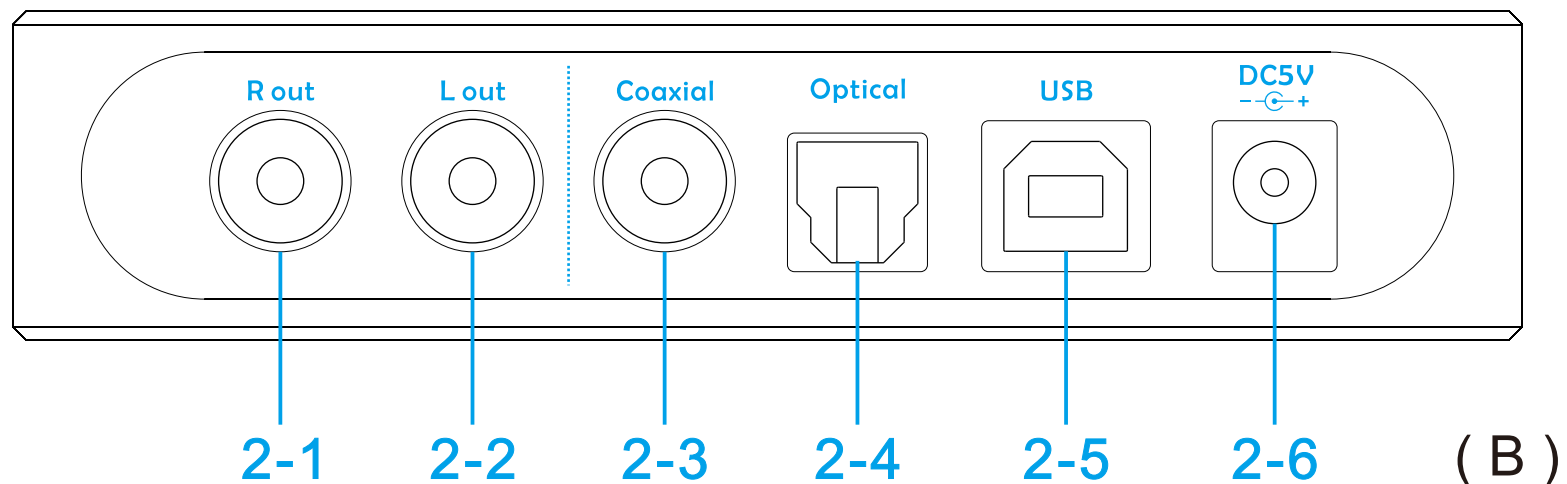
2-2 L channel of AUX output

2-3 COAX input

2-4 OPT input

2-5 USB input

2-6 Power input



## Spec

USB IN	44.1kHz-768kHz/16Bit-32Bit、DSD64-DSD512(Native)、 DSD64-DSD256(Dop)
OPT/COAX IN	44.1kHz-192kHz/16Bit-24Bit、DSD64(Dop)
Power supply	DC5V/1A
Measured	11.9cm x 11cm x 2.6cm
Weight	480g

## Parameters

Output Voltage	2Vrms@0dBFS
THD+N	<0.0005% @1kHz A-weighting
Noise	<2uVrms @A-weighting
Crosstalk	-116dB @1kHz
SNR	122dB
Output Impedance	100Ω

## System main interface



- 1、Input signal
- 2、Volume
- 3、Audio format



## System settings interface

1	1. PCM FIR	MODE1
2	2. DISPLAY	AUTO
3	3. AUTO	OFF
4	4. Factory reset	

( D )

1、 The filtering mode of PCM format Audio have MODE1-MODE7.

MODE1 : apodizing fast roll-off filter

MODE2 : minimum phase slow roll-off filter

MODE3 : minimum phase fast roll-off filter

MODE4 : linear phase slow roll-off filter

MODE5 : linear phase fast roll-off filter

MODE6 : brick wall filter

MODE7 : corrected minimum phase fast roll-off filter

## System settings interface

1	1. PCM FIR	MODE1
2	2. DISPLAY	AUTO
3	3. AUTO	OFF
4	4. Factory reset	

( D )

### 2、Brightness setting of the screen

There are 30%、 60%、 100% and AUTO four kinds of brightness mode. In AUTO mode, the screen brightness is 100% and will shut down if no operation after 30 seconds.

### 3、 AUTO Power on & off

Note : When in the system settings interface, D50 will automatically exit it if no operation after 10 seconds.

## System settings interface

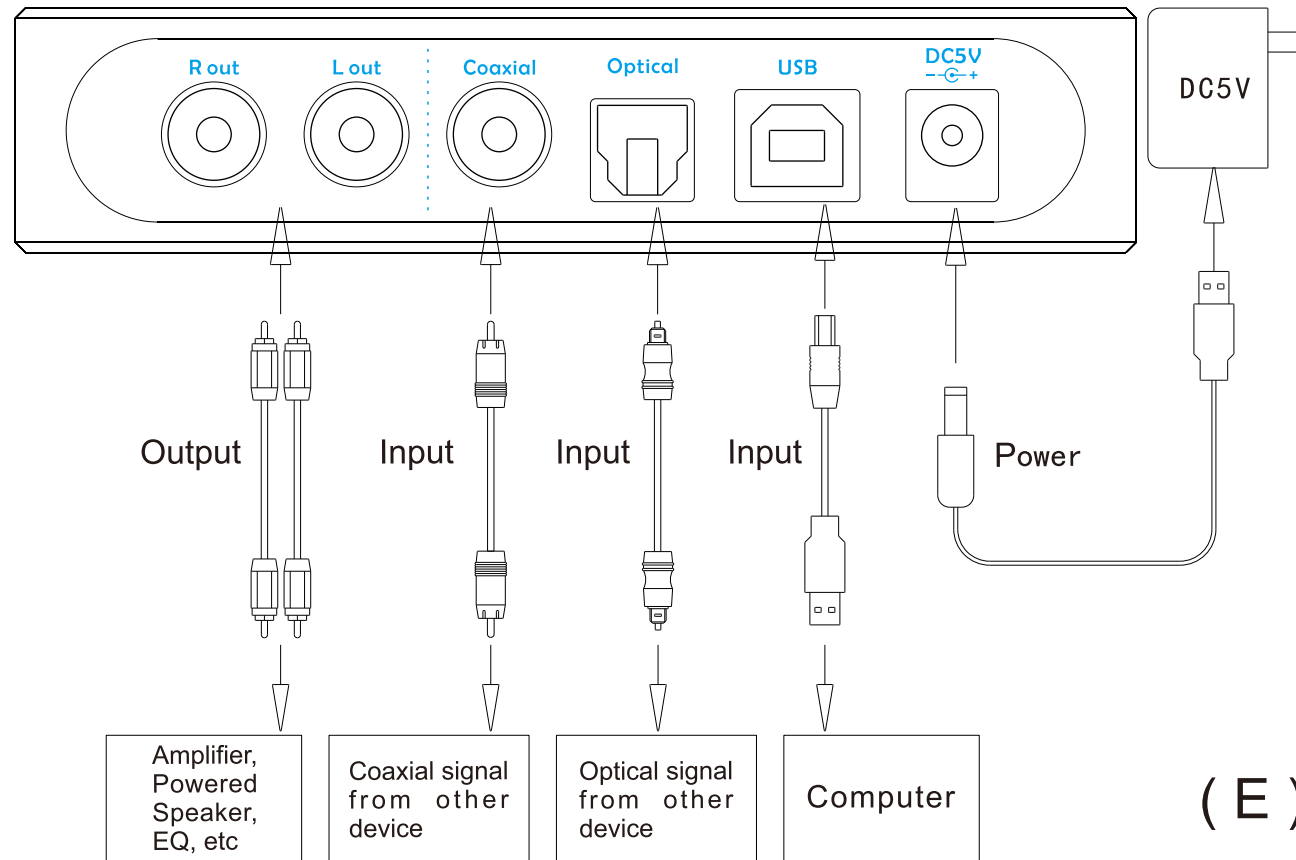
1	1. PCM FIR	MODE1
2	2. DISPLAY	AUTO
3	3. AUTO	OFF
4	4. Factory reset	

( D )

### 4、Factory reset

The default values of the system parameters of 1-3 are:  
MODE1, 30%, ON.

## Instructions for use



### 1、 DAC application

- ① Connect D50 to a PC or a CD player (As picture E shows).

- ② Connect D50's Line Out to a headphone amplifier or a power amplifier or other device.
- ③ Maintain the volume of your headphone amplifier or power amplifier so no distortion and will have much better listening experience.

Note: Please install the driver in the first time use; you can refer to "D50 Driver Installation Guide" for driver installation and "DSD Configuration Guide" for player software setting.

## Troubleshooting

Problem	Probably is...	Solution
Noise at Coaxial or Optical input	Wrong format of input signal or signal out of support range	Check input signal
Unknown USB device	USB cable loose	Check USB cable
	PC's USB port damage	Change another USB port
	OS problem	Reinstall OS
	Driver problem	Reinstall driver
No sound at USB input	Too low volume at PC	Adjust volume of PC
Intermittent sound at USB input	PC too busy that D50 was hung up	Wait for it
Pop sound at USB input	Software problem	Update motherboard driver and OS
If you still have problems or questions, please contact us ( <a href="mailto:service@tpdz.net">service@tpdz.net</a> )		

## Precautions for daily use

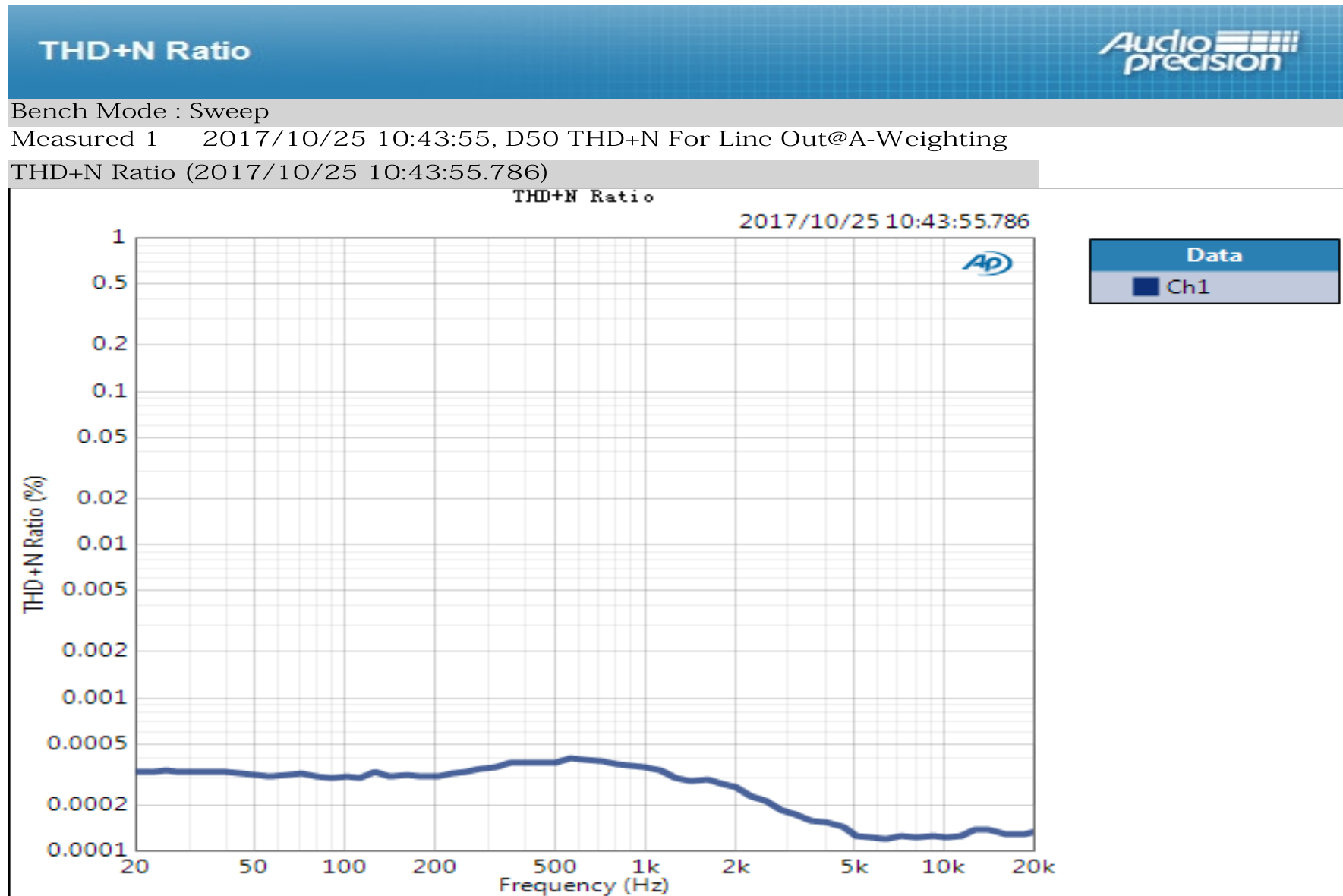
- 1、 Never pull out the USB cable while connected to a computer and using the audio output.
- 2、 Ensure the output jack, could not short circuit or connect to ground.
- 3、 You must not keep the amplifier in a hot, humid environment or drop it.
- 4、 Opening the case instantly voids the warranty!
- 5、 Indoor use only.

# AP test result

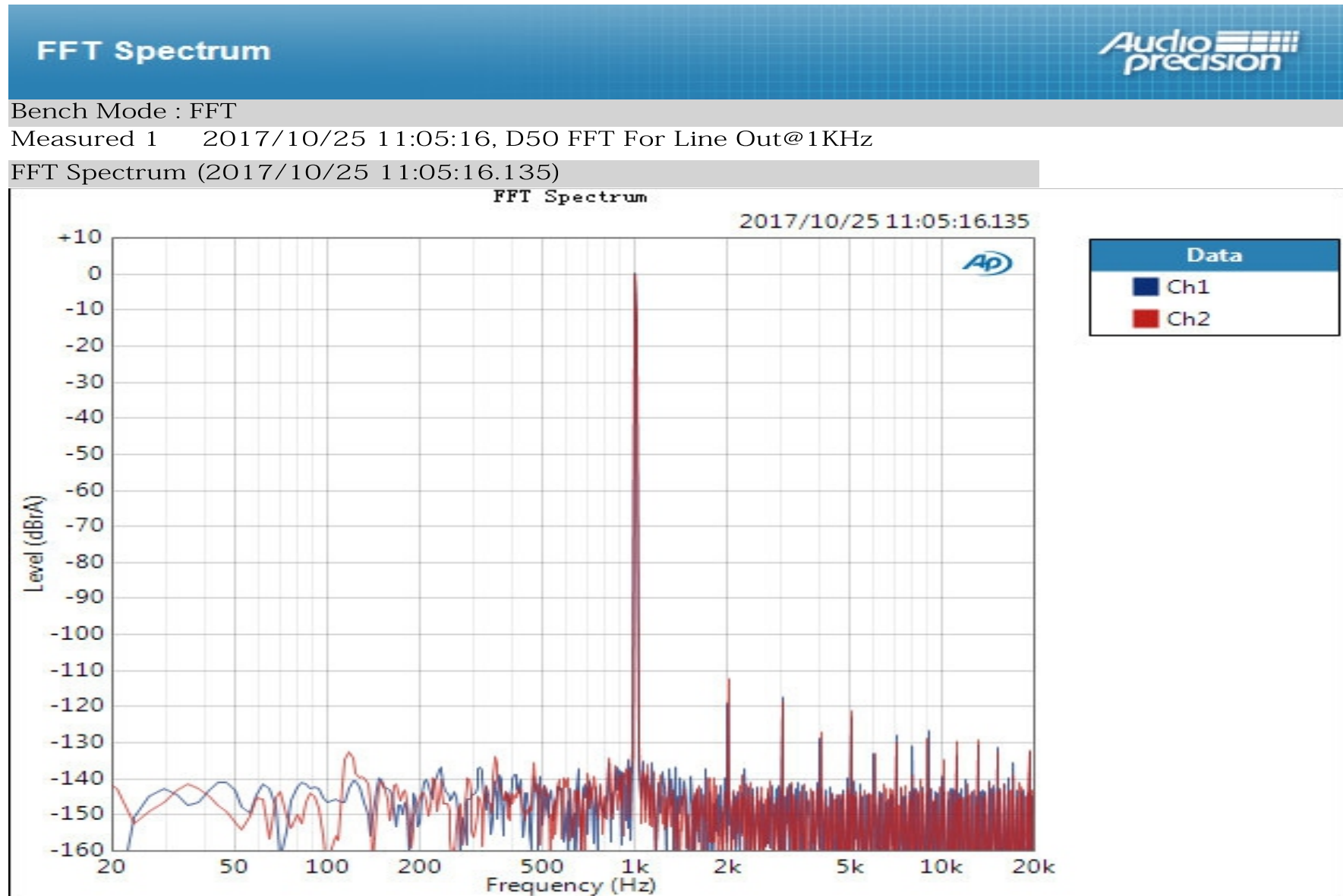




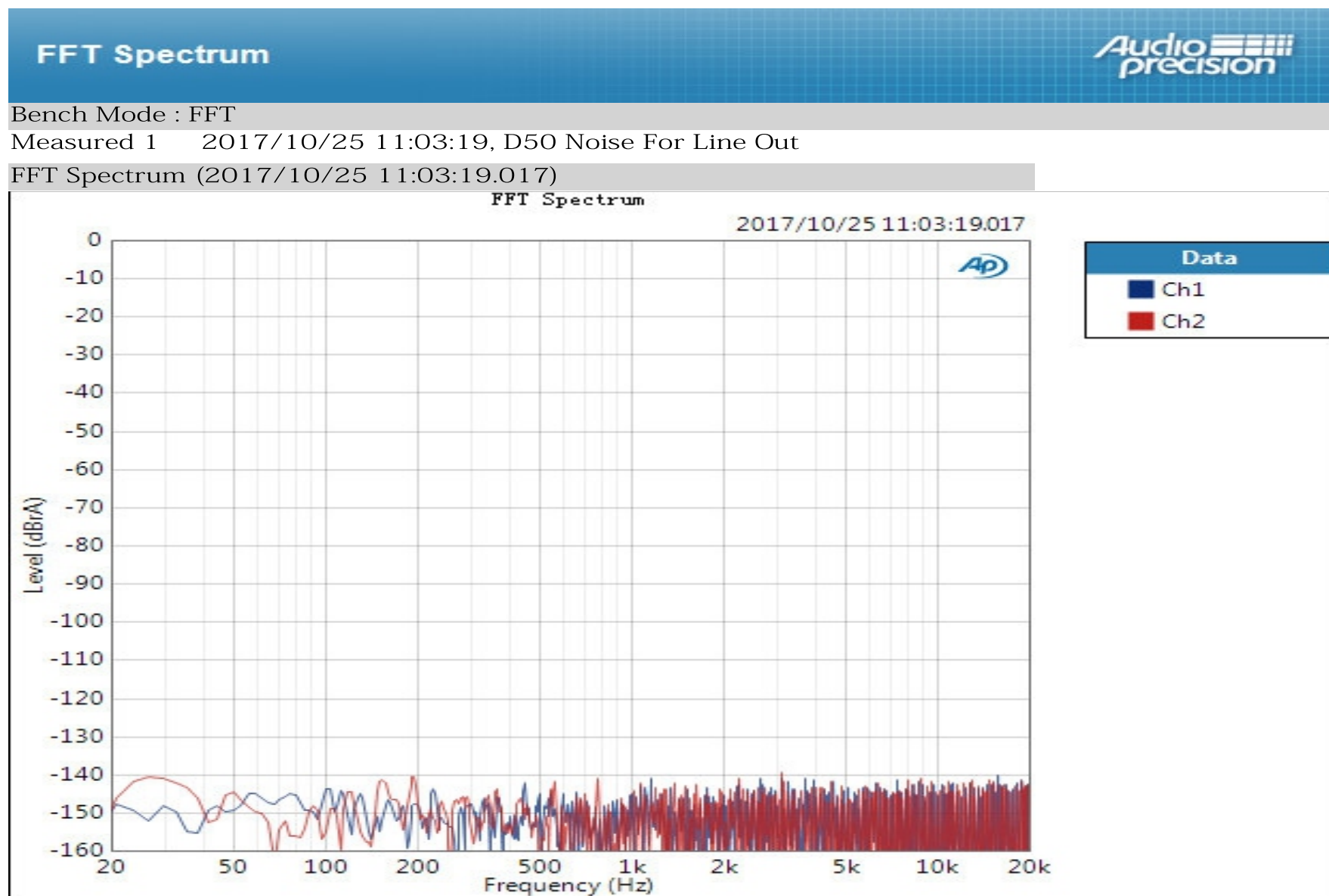
# AP test result



# AP test result



# AP test result



TOPPING<sup>TM</sup>

Address: 26th Jiaomen Road, Huangge Town,  
Nansha District, Guangzhou, China.

Tel : +86-020-37219489  
Fax : +86-020-37219489  
<http://www.tpdz.net/>