TOPPING

D70 Pro SABRE

User Manual

Model: TP129

Catalog

1. Contents list

D70 Pro SABRE   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/.

2. Part names

Attribute

Measured	22.2cm x 17.6cm x 4.8cm（Include protruding parts）
Weight	1050g
Power input	100-240VAC 50Hz/60Hz
Signal input	USB/BT/OPT/COAX/AES
Line Out output	XLR/RCA
Other connectors	12V Trigger In（3.5mm jack） 12V Trigger Out（3.5mm jack）
Display	2inch LCD
Bluetooth range	>10 M

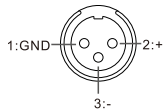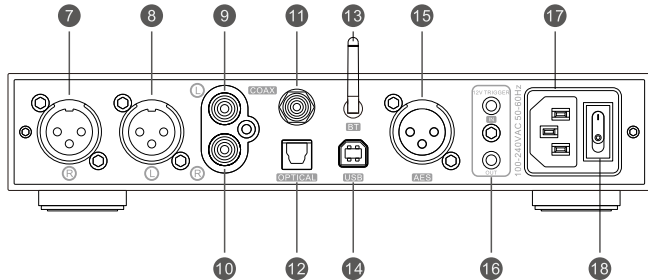## Input range

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

Front panel

Rear panel

1:GND   2:+
3:-
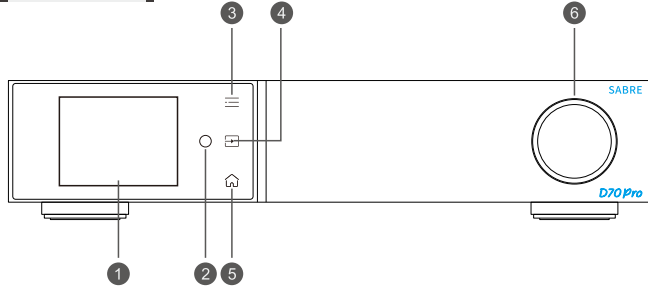
1 Screen
2 Remote control receiver
3 Menu
   Enter/exit the setup menu or return to the parent menu
4 Input channel switching
5 Home page switching
6 Volume knob & User-defined button
   Rotate the knob: Adjust the volume.
   Press the knob: User-defined function. Please set it at [Setup Menu-Advanced-Button].
7 Right channel balanced XLR output
8 Left channel balanced XLR output
9 Left channel single-ended RCA output
10 Right channel single-ended RCA output
11 Coaxial SPDIF input
12 Optical SPDIF input
13 Bluetooth receiver
14 USB input
15 AES input
16 12V Trigger IN/OUT
   The 12V Trigger IN/OUT allows the D70 Pro SABRE to be activated by other devices or to activate other devices via a 3.5mm AUX cable. The connected device must be equipped with a 12V Trigger In/Out to use this feature.
   *Before using the Trigger IN function, you need to set the〔Setup Menu-On/Off trigger〕to "12V"
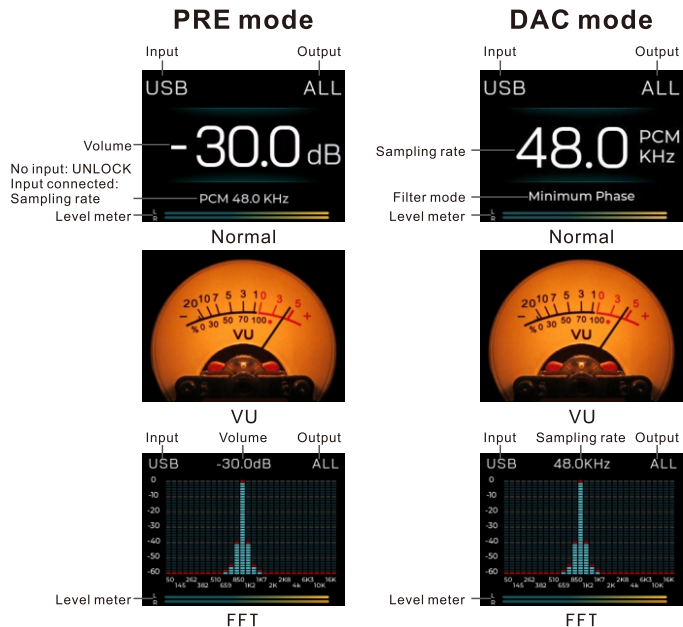17 Power input（AC 100-240V 50Hz/60Hz）
18 Power switch

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].
The home page display in DAC mode and PRE mode will be slightly different. [Setup menu-Advanced-DAC mode]
PRE mode: Volume is adjustable.
DAC mode: D70 Pro SABRE keeps the maximum volume output and the volume is not adjustable.
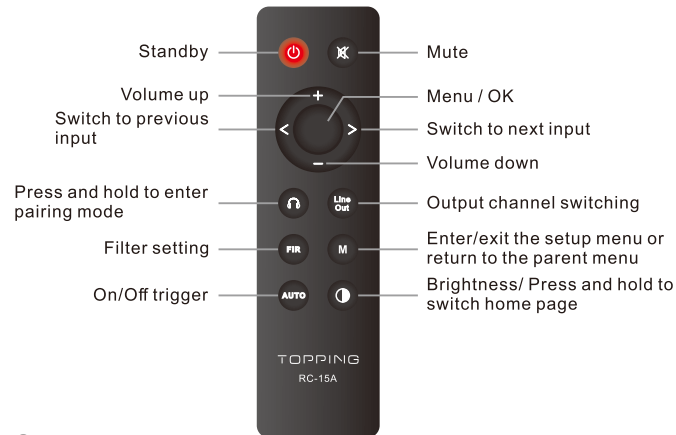
PRE mode

Input / Output
Volume
No input: UNLOCK
Input connected: Sampling rate
Level meter

Normal

VU

Input / Volume / Output
Level meter

FFT

DAC mode

Input / Output
Sampling rate
Filter mode
Level meter

Normal

VU

Input / Sampling rate / Output
Level meter

FFT

*VU Meter, FFT and Level meter monitor or reflect D70 Pro SABRE's output level.（They won't be affected by the volume in PRE mode.）
D70 Pro SABRE has 3 output modes: SE, BAL and ALL [Setup menu- Output select]. In SE output mode, the VU Meter, FFT and Level meter reflect RCA output level. In BAL/ALL mode, the output level of XLR is reflected.
*VU Meter, FFT and Level meter do not support DSD512.

Remote control

Standby — Mute
Volume up — Menu / OK
Switch to previous input — Switch to next input
— Volume down
Press and hold to enter pairing mode — Output channel switching
Filter setting — Enter/exit the setup menu or return to the parent menu
On/Off trigger — Brightness/ Press and hold to switch home page

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[AUTO] See "4. On/Off trigger" in the "Setup Menu", below.

[brightness icon] See "1-2 Brightness" in the "Setup Menu", below.

3. Connection

Connect to the input source

Support USB, Coaxial, Optical, Bluetooth, AES input.

CD player   Mobile phone   U90

TV   Computer
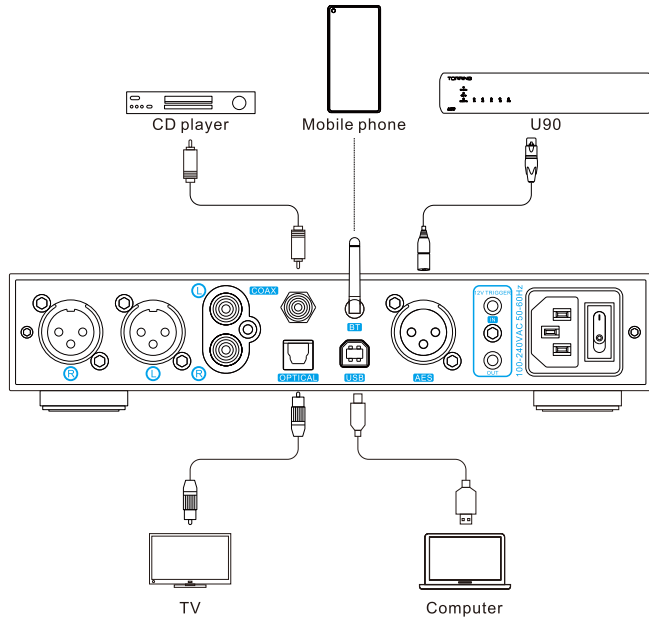
Connect to amplifier or active speakers

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 D70 Pro SABRE.
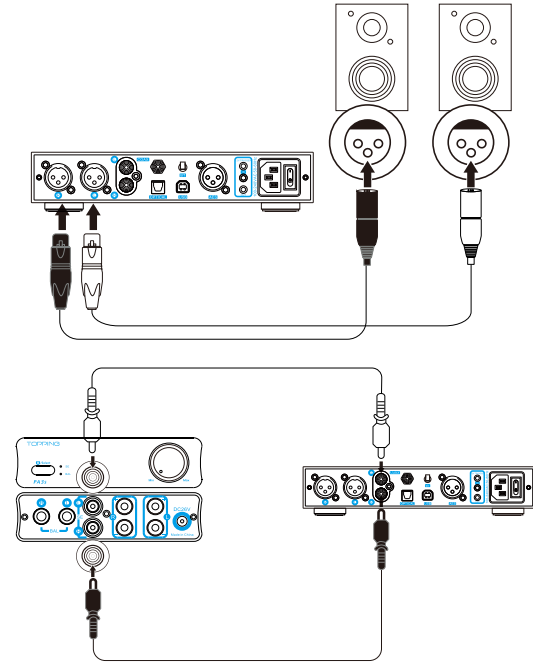
4. Operation

Power on & off / standby operation

（1）Power on & off: Press the power switch on the rear panel to turn D70 Pro SABRE on or off.
(2)Standby setting:
When it is working, press and hold the knob on the front panel to enter standby state and press to exit standby state when it is standby. Or you can press the standby button ⏻ on remote control to enter or exit standby state.

Volume setting

（1）Mute and unmute: Press the mute button 🔇 on the remote control to mute D70 Pro SABRE, press the mute button again or adjust the volume to exit mute state.
（2）Volume adjusting: You can turn the volume knob or press the ➕ and ➖ button on the remote control to adjust the volume. Note that long pressing the ➕ and ➖ 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-Advanced-DAC mode]

Input channel switching

Touch the ⤶ button on the front panel or press the ◀ or ▶ button on the remote control to switch the input circularly.

Output channel switching

Press the [Line Out] button on the remote control to switch the output in cycle. You could also switch the output channel by pressing the knob, but note that you need to set [Setup Menu-Advanced-Button] to "Output select".（Default）

5. Setup Menu

Enter menu and change settings

The button on the front panel
Touch ☰ : Enter/exit the setup menu or return to the parent menu
Touch ⌂ : Exit the setup menu
Rotate the knob: Choose setting item
Press the knob: Change the setting/OK/Enter the sub menu

The remote control

Enter the previous setting item
Change the setting
Enter the setup menu/ OK
Change the setting
Enter the next setting item

Enter/exit the setup menu or return to the parent menu

Setup menu
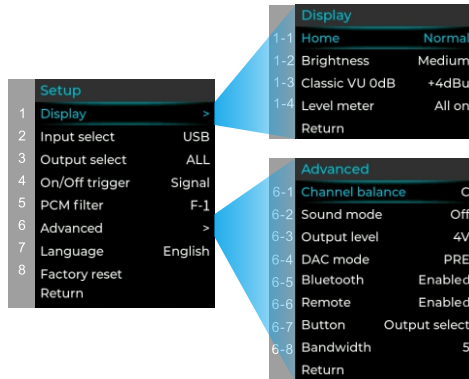
1.Display

1-1 **Home**
    Choose home page
    Normal（Default）, VU, FFT
1-2 **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.

1-3 **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 D70 Pro SABRE is +4dBu.
    +4dBu（Default）, +10dBu
1-4 **Level meter**
    All on（Default）, Normal page, FFT page, All off

2.Input select

USB（Default）, OPT, COAX, AES, BT

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3.Output mode

SE: only RCA output
BAL: only XLR output
ALL（Default）: Both RCA and XLR can have output.

4.On/Off trigger

Signal（Default）: 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.
12V: 12V signal will trigger the device to turn on. When D70 Pro SABRE's Trigger In is connected to another device's 12V Trigger Out, D70 Pro SABRE's on/standby state can be controlled through this device. The D70 Pro SABRE will remain in standby state until Trigger In detects the signal change from 0V to 12V. When changing back to 0V, the D70 Pro SABRE will return to standby state.
Off: Disabled this function.

5.PCM filter

F-1: Minimum Phase（Default）
F-2: Linear Phase Apodizing
F-3: Linear Phase Fast Roll-off
F-4: Linear Phase Slow Roll-off
F-5: Minimum Phase Fast Roll-off
F-6: Minimum Phase Slow Roll-off
F-7: Minimum Phase Slow Roll-off Low Dispersion

6.Advanced

6-1 **Channel balance**
    Setting range: C (Balance), L+0.5~9.5dB or R+0.5~9.5dB. (Default: C)
    *When using the knob, press the knob to enter the setting, rotate the knob to set the parameter, and press the knob again to exit the setting.

6-2 **Sound mode**
    Off（Default）, Valve, Transistor
6-3 **Output level**
    Maximum output level at 0dBFS
    4V（Default）, 5V
6-4 **DAC mode**
    PRE（Default）: Volume is adjustable.
    DAC: Keep the maximum volume output and the volume is not adjustable.
6-5 **Bluetooth**
    Enabled（Default）, Disabled
6-6 **Remote**
    Enabled（Default）, Disabled
6-7 **Button**
    Customize the function of the press knob.
    Output select（Default）, Home select, Brightness select, Dim the screen, Filter select, Mute, Input select
6-8 **Bandwidth**
    Customized settings from 4 to 15, the larger the number is, the stronger the ability to adapt to jitter, and the smaller the number, the better the performance.
    （default: 5）
    *When using the knob, press the knob to enter the setting, rotate the knob to set the number, and press the knob again to exit the setting.

7.Language

English,中文
Scan the QR code on the right for the video.

8.Factory reset

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

6. Trouble shooting

Phenomenon	Cause	Solution
No sound	Wrong input was selected	Select the correct input
	Wrong output was selected	Select the correct output
	Incorrect cable connections	Check and reconnect
	Sound is muted	Turn up the audio
	Audio source no output	Adjust or check it
USB did not recognize	USB cable did not connect properly	Check or change the cable
	PC's USB port damaged	Change another port
	The PC does not work	Check or try with another PC
	The OTG function of the phone is not enabled	Enable OTG function
USB input, no sound	Too low volume on PC	Adjust volume
	D70 Pro SABRE is not selected as the output device on the PC	Set the D70 Pro SABRE as the default output device
Cannot pair D70 Pro SABRE Bluetooth	Bluetooth is disabled on D70 Pro SABRE	Enable Bluetooth in the setup menu [Setup menu-Advanced-Bluetooth]
	D70 Pro SABRE is already connected to other Bluetooth device	Let D70 Pro SABRE enter pairing mode first.
	Weak signal due to long distance	Take the device closer to D70 Pro SABRE and connect again
Bluetooth input, no sound	Too low volume on phone	Adjust volume
DAC abnormal	DAC abnormal	Do not connect the D70 Pro SABRE to any other devices, unplug and re-plug the power cable and reboot the unit.
DIR abnormal	DIR abnormal	
PN voltage abnormal/ low /high	PN voltage abnormal/low /high	
5V voltage abnormal/ low /high	5V voltage abnormal/low /high	
FFT module abnormal	FFT module abnormal	
If you still have problems or questions, please contact us（service@tpdz.net）		