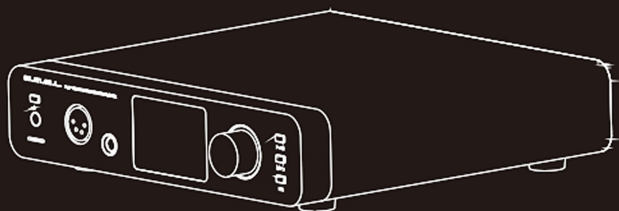


S.M.S.L



Dp3



Manual

Safety Notes



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK)



The lightning lash with arrowhead symbol, with in an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Safe use only under elevation 2000m.



Safe use only in the non- tropical climate conditions.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Features

- Using dual SABRE9018Q2C which from ESS technology USA, features high SNR, very low THD+N and build-in large current headphone amplifie.
- Support Bluetooth 4.0 input and APT-X lossless.
- Support Bluetooth transmission, can use to connect bluetooth headset.
- Support "ISO, APE, FLAC, WAV, ALAC, WMA, AIFF, MP3, DFF, DSD" and many other music files.The sampling rate of these file are up to 32bit/384kHz(PCM) and DSD256.
- The Micro-USB port can connect to computer make DP3 a USB DAC.
- Dp3 can act as a USB host to connect a external USB DAC and also support DSD streaming.
- Support network playback ("DLNA" and "AirPlay") via Ethernet and WIFI(2.4G and 5G)
- Built-in headphone amplifier,both unbalanced and balanced.
- All path digital output, coaxial,optical,AES/EBU,even USB.
- Support Hiby APP to control this product(Hiby Link).
- All aluminum chassis, and CNC front panel.

Note:

Firmware and driver download:

<http://www.smsl-audio.com/cn/download.asp>

Specifications

- Input mode: USB / USB Audio / SD / Bluetooth / DLNA
SAMBAA(NAS)
- Output mode: Line / Headphone / Optical / Coaxial / AES
Bluetooth / USB
- THD+N :

Line output	0.0008%
Unbalanced output	0.0008%
Balanced output	0.0004%
- Dynamic range :

Line output	121dB
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- SNR :

Line output	112dB
Unbalanced output	112dB
Balanced output	110dB
- Headphone output power :

Unbalanced output	58mW (32Ω)
	46mW (64Ω)
	26mW (150Ω)
Balanced output	113mW (32Ω)
	110mW (64Ω)
	78mW (150Ω)
	49mW (300Ω)
- Line output level: 2Vrms
- USB Audio :

DSD Top support	DSD256
PCM Top support	PCM384kHz
- USB AudioSystem compatibility: Windows 7/8/8.1/10
Mac OS X / Linux

Specifications

● DSD D2P:	Top support DSD 128
● DSD DOP:	Top support DSD 256
● DSD Native:	Top support DSD 256
● Digital output DOP output:	Top support for DSD64
● PCM:	Top support 384kHz
● File system:	Support FAT/FAT32/NTFS
● Micro SD Capacity of card:	Top support 256GB
● USB drive/Hard disk:	Top support 4TB
● USB Maximum output current:	2A (The sum of two USB output currents)
● USB A maximum output current:	2A
● USB DAC output:	Support
● Bluetooth version:	4.0 Edition
● APT-X	Support
● BlueInput:	Support
● Bluetooth output:	Support
● HiBy Link:	Support
● WIFI function:	Support
● WIFI Specifications:	Support 2.4G/5G
● Speed:	100M
● File browsing:	Support
● System language:	Simplified Chinese、Traditional Chinese、English
● Software upgrade:	Support
● Power consumption:	3W
● Standby:	0.5W

Formats

Format	Support	Level	Sampling rate*		Bit width	CUE	Remarks
			Min	Max			
APE**	√	Fast	8K	384K	16-24bit	√	
	√	Normal	8K	384K	16-24bit	√	
	√	High	8K	384K	16-24bit		
	√	Extra high	8K	96K	16-24bit		176/192K Nonsupport
	×	Insane					
WAV	√		8K	384K	16-32bit	√	DIS not support
WMA	√		8K	96K	16-24bit		
Wmalossless	√		8K	96K	16-24bit		
FLAC	√		8K	384K	16-24bit	√	
DSD	√		2. 8M	11. 2M	1bit		
DFF	√		2. 8M	11. 2M	1bit		
ISD DSD	×						
ISD DST	×						
Aiff	√		8K	384K	16-32bit		
M4A	√		8K	384K	16-24bit		
Mp2	√		8K	48K	16bit		
MP3	√		8K	48K	16bit	√	
AAC	√		8K	48K	16bit		
OGG	√		8K	48K	16bit		

Note:

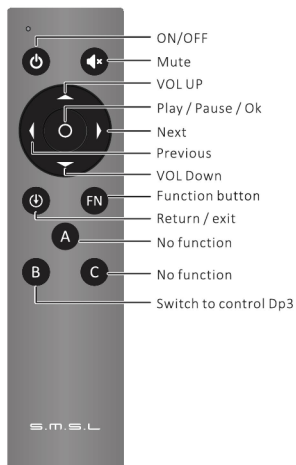
* The mark here is the rate of sampling is not a file rate.

** APE:32-192KHz's Insane file does not support.

176.4KHz, 192KHz's Extra high file does not support.

*** ISO8 files do not support.

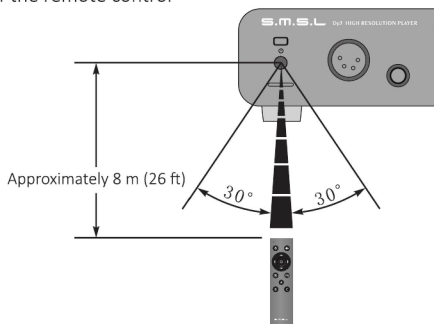
Remote control



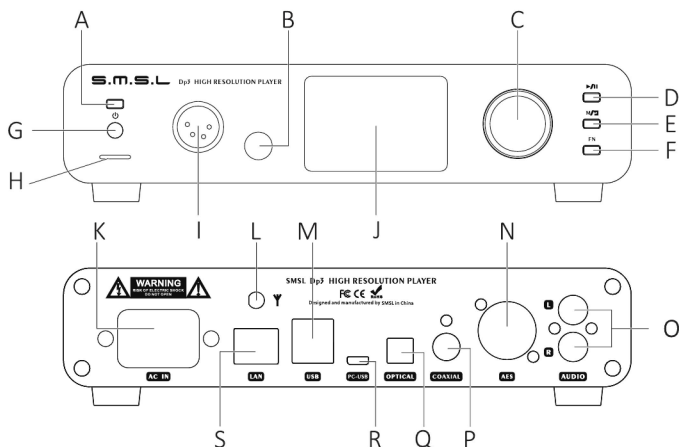
Note

Press "B" first, when using DP3 for the first time!

Operating range of the remote control



Parts names and functions



A. Power button, long press ON / OFF, short press turn off display.

B. Unbalanced 6.35mm port.

C. Multifunction knob

D. Play / pause

E. Return / exit

F. User definition button

G. Remote window

H. Micro SD card slot

I. Balanced headphone port

J. Display screen

K. Power AC input

L. Antenna

M. USB 2.0 interface

N. AES output

O. Line output

P. Coaxial output

Q. Optical output

R. USB Audio input

S. Ethernet

Operation method:

1. Multifunction knob:

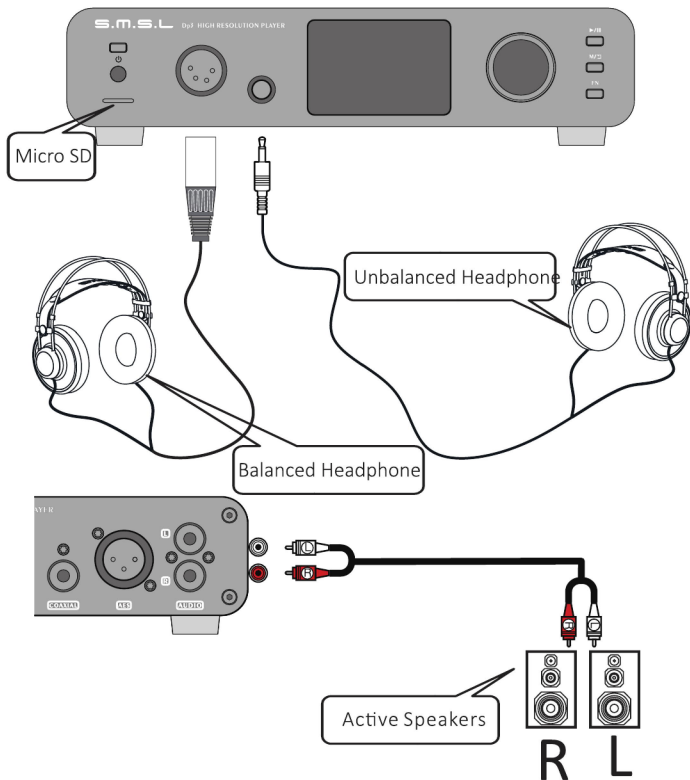
- In the playback interface, turn left or right is the volume up or down, Short press pause, Long press to enter the playback mode menu.

- In other mode, turn left or right is menu up or down, press knob is OK.

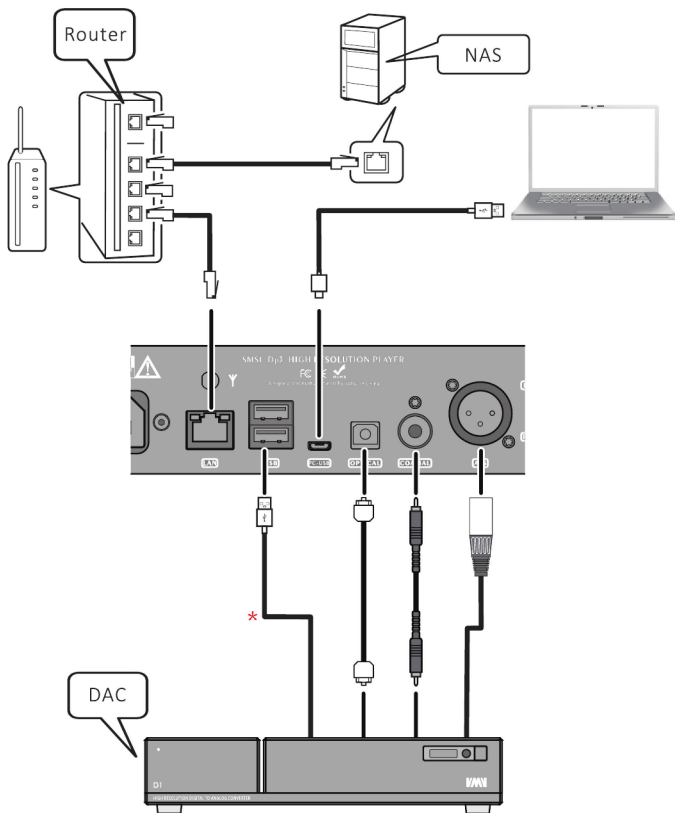
2. Play / pause button: click to play or pause, double click to repeat current track.

Connecting your equipments

Connect headphone and active speakers:

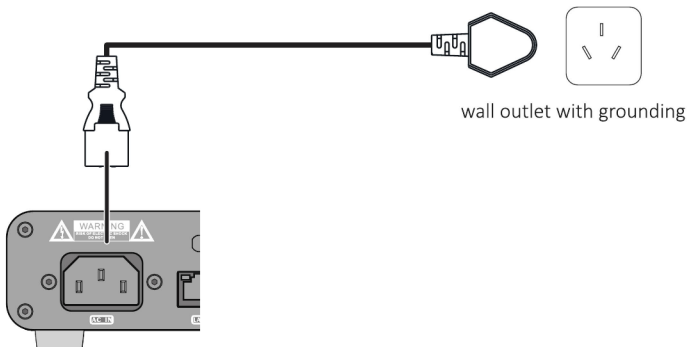


Connecting your equipments

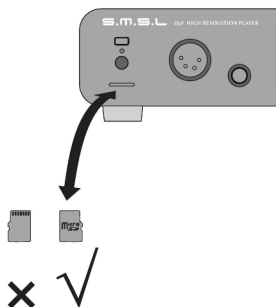


*: This USB can connect external USB DAC like a computer.

Connecting your equipments

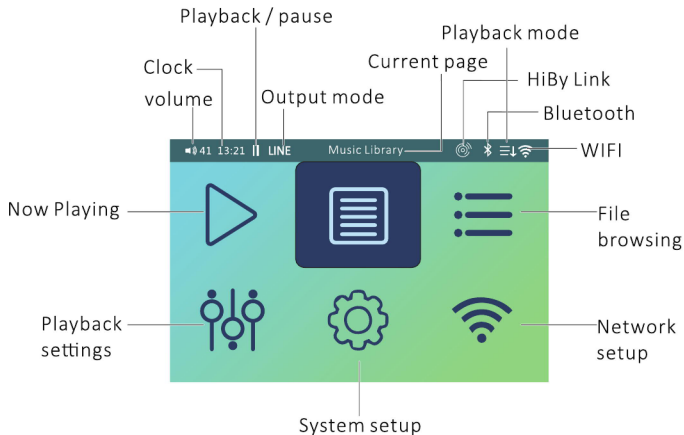


Micro SD Connection

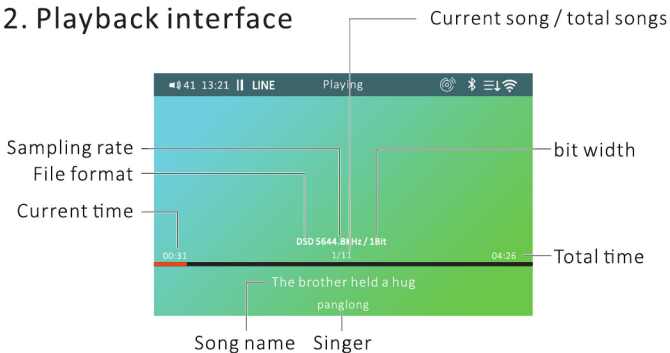


Display

1. Main interface



2. Playback interface



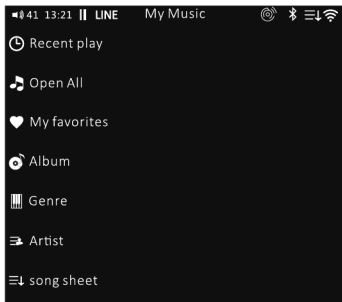
Display

Operation method:

"Multifunction knob":

1. In the playback interface, Short press to play or pause, Long press is playback menu.
2. Turn this knob left or right to turn volume up or down.
3. Play / pause button: click to play or pause; double click to replay current track.

3. Music library



The content of the music library menu:

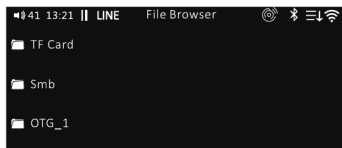
- Recent play
- Open all
- My favorites
- Album
- Genre
- Artist
- Song sheet

Operation:

"Multifunction knob":

1. Select "My favorites", long press knob to empty the contents.
2. In playlists, long press knob to delete a song.

4. File browsing interface



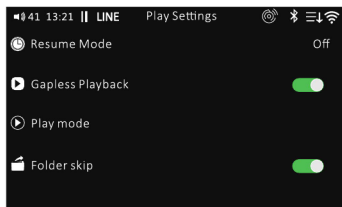
The contents of the file browsing menu:

1. SD card folder.
2. LAN folder.
3. USB folders.

Operation:

"Multifunction knob": long press to delete files / folders.

5. Playback menu



The contents of playback menu:

1. Resume Mode:

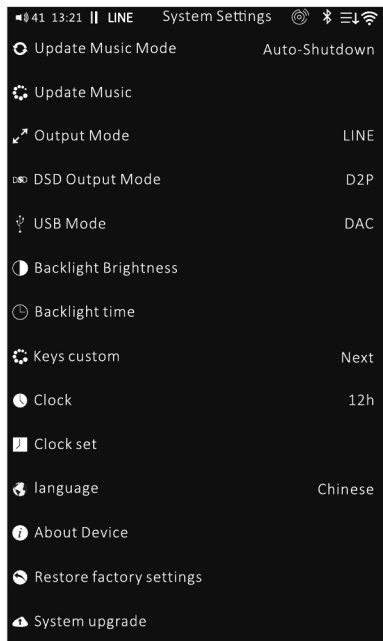
"Turn off" next time The last shutdown will not be played The previous repertoire.

"Repertoire" Memory the track before power off.

"Position" Memory the position of the track before power off.

2. Gapless playback: Cancel the gap between song and song.
3. Play mode: list play, single repeat, random, list repeat.
4. Folder skip: Allow player skip to next folder when current folder finished.

6. System setting



The content of the system settings menu:

1. Update music mode:
Manual
Auto
(Note: This function only valid by using SD card)
2. Update music:
Click start scan memory devices connected to Dp3.
3. Output mode:
Unbalanced headphone
Line out
Balanced headphone
Digital audio
(Note: Analog and digital can not be output at the same time.)
4. DSD output mode:
D2P (DSD to PCM) :
DSD signal will always convert to PCM.
DoP (DSD over PCM) :
DSD signal will packed into

PCM streaming frame, and output to S/PDIF ports (coaxial, optical, AES), if you using a DAC with DoP decoding function, you can receive DSD by coaxial, optical, AES.

DSD Native:

Original 1bit DSD signal, DP3 will decode DSD files to DSD format to DAC, SPDIF output will auto convert to PCM.

Display

5. USB mode:

The Micro USB is set as “USB disk mode”, in this mode you can access micro SD card in your computer.

The Micro USB is set as “DAC mode”, in this mode, the DP3 is turned into a “USB DAC”, the computer’s audio playback software can be used to play the computer’s music files through this unit.

6. Backlight brightness:

Brightness adjustment is divided into 5 levels.

7. Backlight time:

5 seconds, 15 seconds, 45 seconds, 3 minutes, 5 minutes, 10 minutes, never.

8. User defini on button:

This button is on the font panel, named “FN”, this button can be defined as “next, previous, output switching, the file browser, the playlist”.

9. Clock: The selectable display format is “closed,12h,24h”.

10. Clock set: Adjust the time of Dp3.

11. Language: Simplified Chinese, Traditional Chinese, English.

12. About device:

- Model
- External memory
- Available capacity
- Bluetooth address
- Firmware version

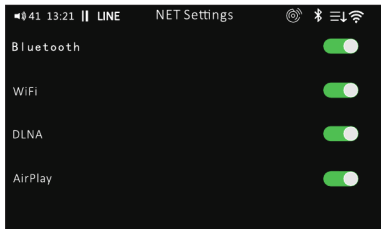
13. Restore the factory setting: restore to the factory settings.

14. System update:

Download the firmware to the SD card, find this page and enter, if the firmware in SD card is valid, system will start to update automatically.

Note: Don't pull the power cord before the update finished!

7. Network setting interface



The content of the network settings menu :

1. Bluetooth

HiBy Link :

Enable the HiBy Link HiBy player in mobile devices With this function, you can browsing your files in the DP3's USB or SD card by mobile devices, at the same time the mobile device can turn into a bluetooth remote for DP3.

(Note: If using bluetooth as audio source, you had to turn off HiBy link.)

High sound quality:

Using advanced algorithms,the sound quality of Bluetooth transmission is improved.

Bluetooth scanning:

Scan and select bluetooth devices, please make sure you bluetooth device in effective range(10m).

2. WIFI :

Scan and select your WIFI network, and enter password by multifunction knob.

3. DLNA:

Enable or Disable DLNA service, if enabled, your can use your Android device streaming music to DP3 by WIFI.

4. AirPlay:

Enable or Disable Airplay service, if enabled, your can use your iOS device streaming music to DP3 by WIFI.

Accessories

- Dp3(1)
- Remote control (1)
- Power cord (1)
- USB cable (1)
- Antenna (1)
- Instructions (1)
- Packing box(1)

Notice

Listening experts advise not to continue to play loud, if you feel diswell, please reduce the volume or stop using it.

Shenzhen Shuangmusanlin Electronics Co., Ltd.

Address: 8th Floor B6 Building Jun Feng Industrial Park,
Fuyong town, BaoAn District Shenzhen, China

Tel: +86-755-27444178

<http://www.smsl-audio.com>

Warranty terms

1.The term of service

Shenzhen SuangMuSanLin Electronics Co.,LTD promise good quality products. If product is defective unit by normal use within 7 days after purchasing. The customer can chose to return or repair warranty (does not affect the secondary sales after they can return). Faulty for free within one year warranty normal use.

2.Date of purchase is in accordance with invoice date or receipt date is uesd by seller,on line shopping can cut trade shots.

3.Following situation can not enjoy'Three Guarantees'service:

- ❶ All damages by human factors, including use it under non-normal working environment the and not follow manual in structions.
- ❷ User privately disassemble, modification, maintenance;
- ❸ Use non-designated or approved accessories cause damage;
- ❹ QC warranty stickers damage on cabinet;
- ❺ Can not provide avalid purchasing prove;
- ❻ Not belong to SMSL products.

4.How to warranty

This terms only suitable for China mainland, other region please refer to the policy of the local sales agents and national.

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<http://smsl-audio.com>