

S.M.S.L

DP-1

Shenzhen ShuangMuSanLin Electronics Co., Ltd.

Safety Notes

To assure the best performance, please read this manual carefully. Keep it in a safe place for future reference.

Warning

- ❶ Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, or cold.
- ❷ Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, or personal injury.
- ❸ On the top of this unit, do NOT place:
 - Other components, as they may cause damage or discoloration on the surface of this unit.
 - Burning objects (i.e. candles) , as they may cause fire , damage to this unit , or personal injury.
 - Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user or damage to this unit.
 - Do not cover this unit with a newspaper, tablecloth, curtain , etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, or personal injury.
- ❹ Do not use force on switches, knobs, and/or cords.
- ❺ Use a clean, dry cloth.
- ❻ Do not attempt to modify or fix this unit. Contact qualified SMSL service personnel when anyservice is needed. The cabinet should never be opened for any reason.
- ❼ When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect the power cable from the AC wall outlet.
- ❽ Before moving this unit, disconnect the power cable from the wall outlet.
- ❾ Be sure to use the AC adaptor supplied with this unit. Using an AC adaptor other than the one provided may cause fire or damage to this unit.
- ❿ For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

Features

- ① Using advanced TRICORE digital audio processor; 32Bit RISC processor+Dual DSP digital audio processing unit;Decoding 24bit/192kHz music file perfectly.
- ② The latest AK4452 DAC chip from AKM company.
- ③ Built-in SMSL Patented SDB sound.(SMSL Dynamic Bass)

SDB:

SDB sound which patented belongs to S.M.S.L,It improves sound fidelity. For the best sound effects, SDB is not only improve BASS, but also will adjust dynamic for bass and treble according to input source.

Specifications

Inputs:	USB(U-Disk)/SD card/Optical	
THD+N:	DAC out	0.0008%
	HP	0.003%
Dynamic range:	109dB	
SNR:	DAC out	97dB
	HP	88dB
HP output power:	103mW@THD+N=0.1%, 320	
DAC output level:	2Vrms	
Consumption power:	1.62W	
Standby Power:	0.09W	
Max. Files quantity scannable :	1000	
Max. File folder scan depth:	3 layer folder	

File format

WMA

Extension :	.wma, .WMA
Sampling Frequency:	8 k/11.025 k/16 k/22.05 k/32 k/44.1 k/48 kHz
Bit rate:	5 kbps~320 kbps or VBR

Mp3

Extension : .mp3, .Mp3
Standard: MPEG-1/MPEG-2 Audio Layer-3
Sampling Frequency: 8k/11.025k/12k/16k/22.05k/24k/32k/44.1k/48kHz
Bit rate: 8 kbps~320 kbps or VBR

WMA Lossless

Extension: .wma, .WMA
Sampling Frequency: 44.1 k/48 k/88.2 k/96 kHz
Quantization bit rate: 16/24-bit

WAV

Extension: .wav, .WAV
Sampling Frequency: 8 k/11.025 k/12 k/16 k/22.05 k/24 k/32 k/44.1 k/
48 k/88.2 k/96 k/176.4k/192 kHz
Quantization bit rate: 8/16/24-bit

AAC

Extension: .aac, .m4a, , AAC, M4A
Standard: MPEG-2/MPEG-4 audio
Sampling Frequency: 8 k/11.025 k/12 k/16 k/22.05 k/24 k/32 k/44.1 k/
48 k/88.2 k/96 kHz
Bit rate: 8 kbps~320 kbps or VBR

APE

Extension: .ape, .APE
Standard: Monkey's audio
Sampling Frequency: 44.1k/48k/88.2k/96k/176.4k/192kHz
Bit rate: 16/24-bit

FLAC

Extension: .flac, .FLAC

Sampling Frequency: 8 k/11.025 k/12 k/16 k/22.05 k/24 k/32 k/44.1 k/
48 k/8.2 k/96 k/176.4 k/192 kHz

Quantization bit rate: 8/16/24-bit

Apple Lossless

Extension: .m4a, .M4A

Sampling Frequency: 8 k/11.025 k/12 k/16 k/22.05 k/24 k/32 k/44.1 k/
48 k/88.2 k/96 kHz

Quantization bit rate: 16/24-bit

CUE*

Extension: .cue, .CUE

CUE*: After firmware update, it will add analysis function for CUE file. For memory limit, currently limits as below (Meet one of those two requirements, CUE analysis stop.)

① 100 tracks cue file can analysis most.

② 300 analysed file can save most.

If cue file out of range and without analysis, Whole track will playback.

Instructions



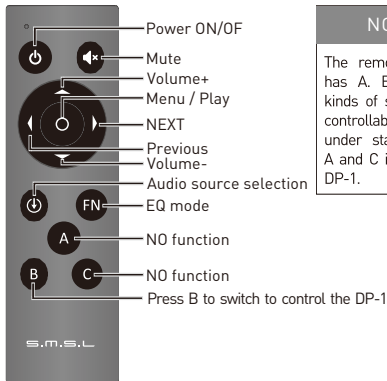
A Play pause and MENU: Press button / Play pause; Long-press / MENU; Revolving knob to select MENU, press into selected submenu, Long-press again back to previous menu.

- B** ON / OFF and MUTE / Volume + - : Long-press for ON/OFF; short-press MUTE active or disable MUTE ; Revolving knob for volume adjustment.

Firmware update by U-Disk: Save rom.upd file of player firmware into U-Disk root directory. Powering on player. When DP - 1 shows logo, please press A and B button at same time until screen Shows "NO USB". Then plug U-Disk into DP-1 to automatically update. When screen appear 100%, update finish.

Firmware update:New firmware update will release untime. New functions or improving performance after updates.

Remote controller



NOTE

The remote control has A. B. C three kinds of states, only controllable for DP-1 under state B.State A and C is invalid to DP-1.

Main Screen

When first time power on machine, screen shows as figure 1

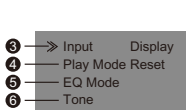


(figure 1)

- 1 Input
- 2 Into memory device plug no DP-1 (When plug U-Disk, it will appear flash "Searching*", after all music file scan finish, it will go into playback screen.)

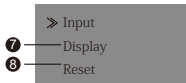
Searching*: Scanning time depends on files quantity saved in U-Disk. Scanning time will prolong if have much files.

Long-press code switch on left into MENU (Figure 2). When no memory device plugged into, To avoid improper operation, some of functions will automatically hide (figure 3).



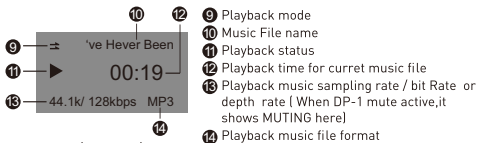
(figure 2)

- 3 Input
USB?SD Card?Optical In
- 4 Play Mode
Default?Repeat All?Random?Repeat Tract
- 5 EQ Mode
OFF?SDB?Super Bass?Rock?Pop?Classical
- 6 Tone
Bass[-6dB - +6dB]?Treble [-6dB - +6dB]



(figure 3)

- 7 Screen protection set-up (Display)
Auto Weaken Screen
5s?15s?30s?60s?OFF
Auto TurnOff Screen
5s?15s?30s?60s?OFF
- 8 Reset
Factory Reset
Retrun



(figure 4)



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.

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