



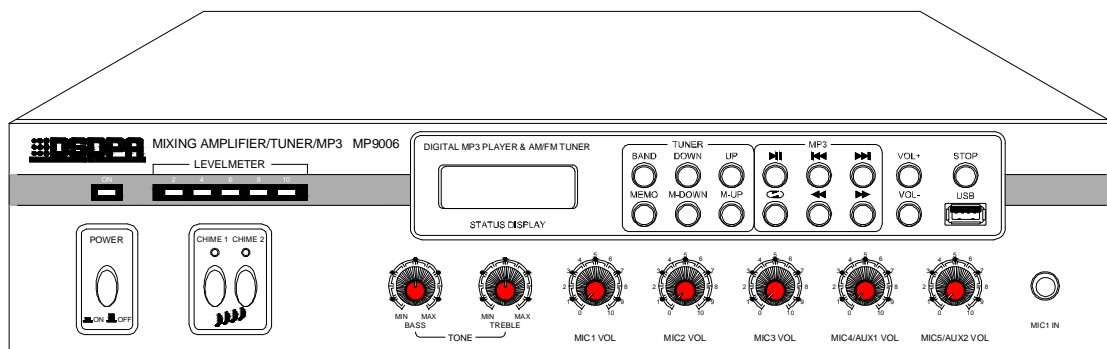
Public Address System

MP3/Tuner/Integrated PA Power Amplifier MP9006

MP9012

MP9025

MP9035



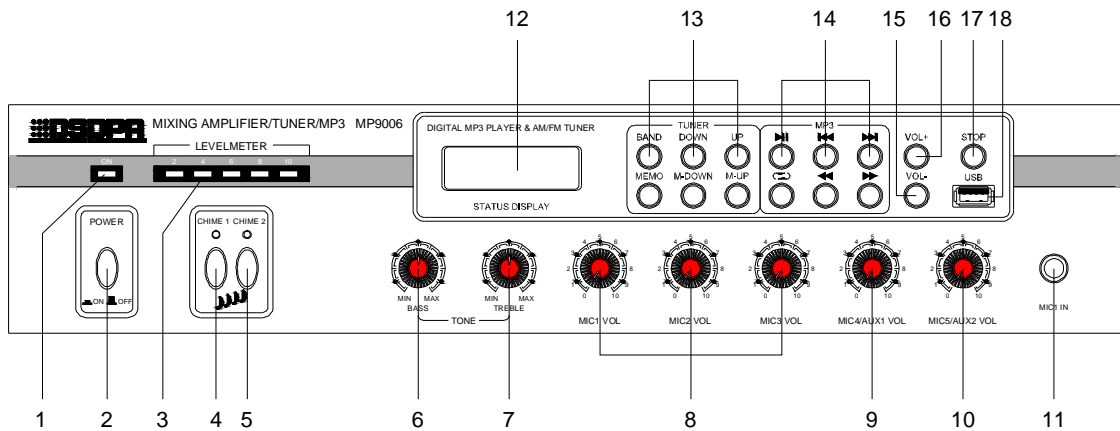
Operation Instructions

Welcome your patronage. Please read this manual carefully before use.

Performance features

- 5-channel microphone input ports, 2-channel auxiliary line input ports, 1-channel EMC input port, 1-channel line output port.
- Tuning and MP3 converting play is very convenient, the station tuning and saving with permanent saving function at power failure.
- Chime output function.
- Two stages priority mute function, available to insert the priority PA.
- The tuner/MP3 status liquid crystal display (LCD), Chinese subtitle, 5-unit LED level meters, inspecting the operating status very easily.
- Each channel with independent volume control, treble and bass adjusting.
- 100V, 70V constant voltage output and 4Ω fixed resistance (balanced, non-grounding) output.
- AC 220V working voltage.
- Output short-circuit protection and alarm.
- The single board is a complete PA system.

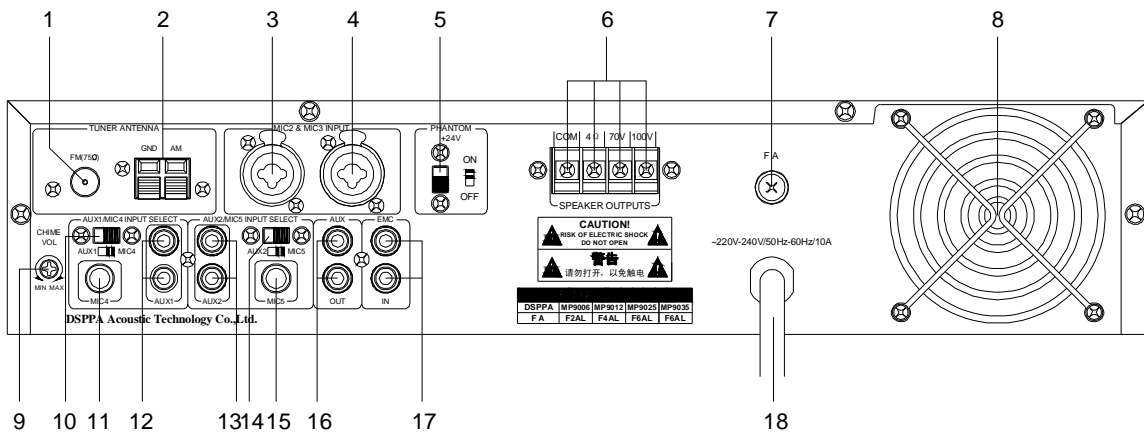
Front panel



- | | | |
|--------------------|---|---------------------------------------|
| 1. Power indicator | 7. Treble adjust | 13. Tuning status operation button |
| 2. Mains switch | 8. Microphone volume adjust | 14. MP3 play status operation button |
| 3. LED level meter | 9. Line 1/Microphone 4 volume adjust | 15. Tuning/MP3 volume increase button |
| 4. Chime 1 button | 10. Line 2/Microphone 5 volume adjust | 16. Tuning/MP3 volume decrease button |
| 5. Chime 2 button | 11. No. 1 (priority) microphone jack | 17. Tuning/MP3 status stop button |
| 6. Bass adjust | 12. Tuning/MP3 play status display screen | 18. USB movable disc port |

Remarks: It means overload distortion when 5 LED are normally bright, and it is necessary to adjust the related volume control knob to make the 4-5th indicators flash.

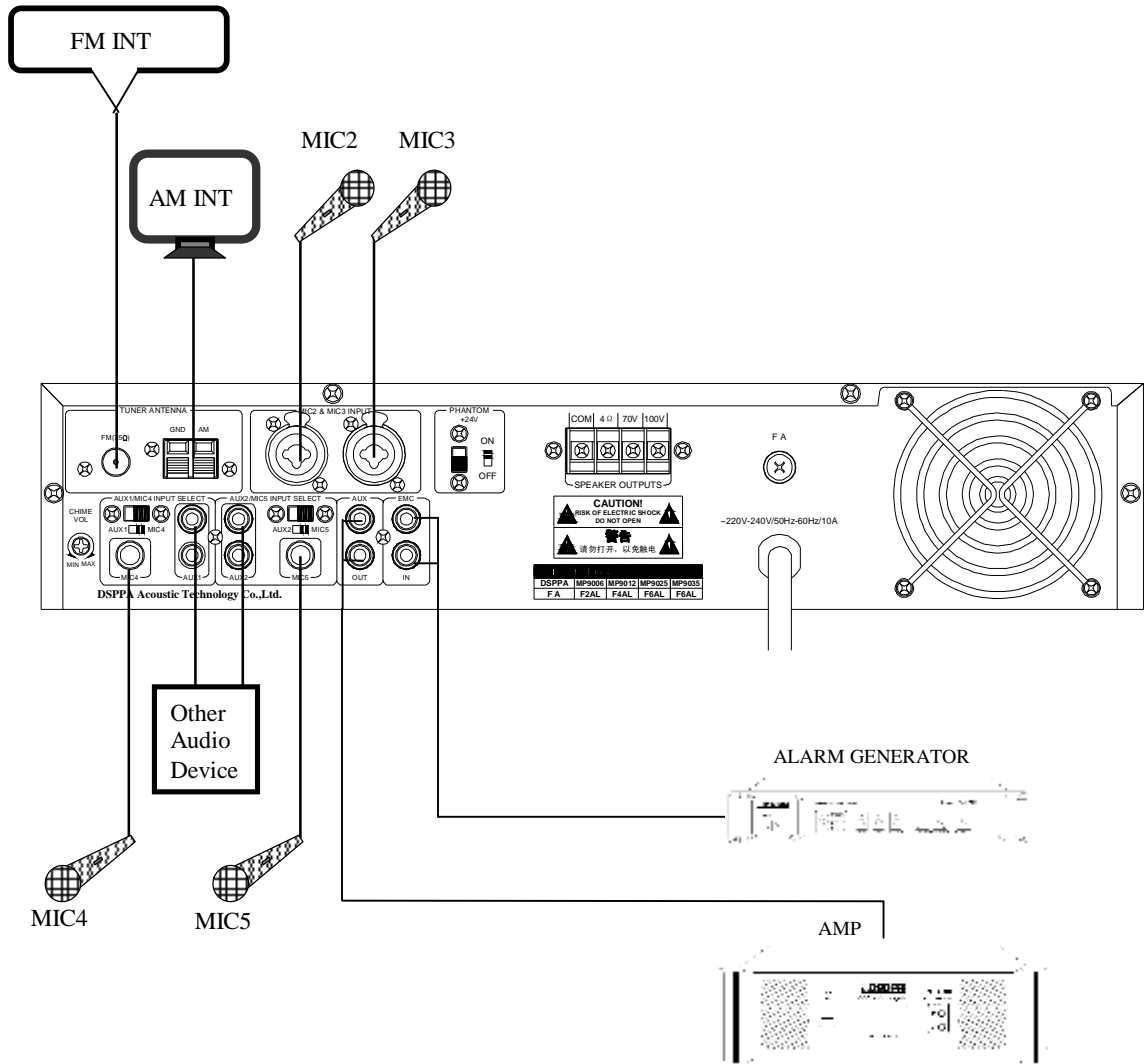
Back panel



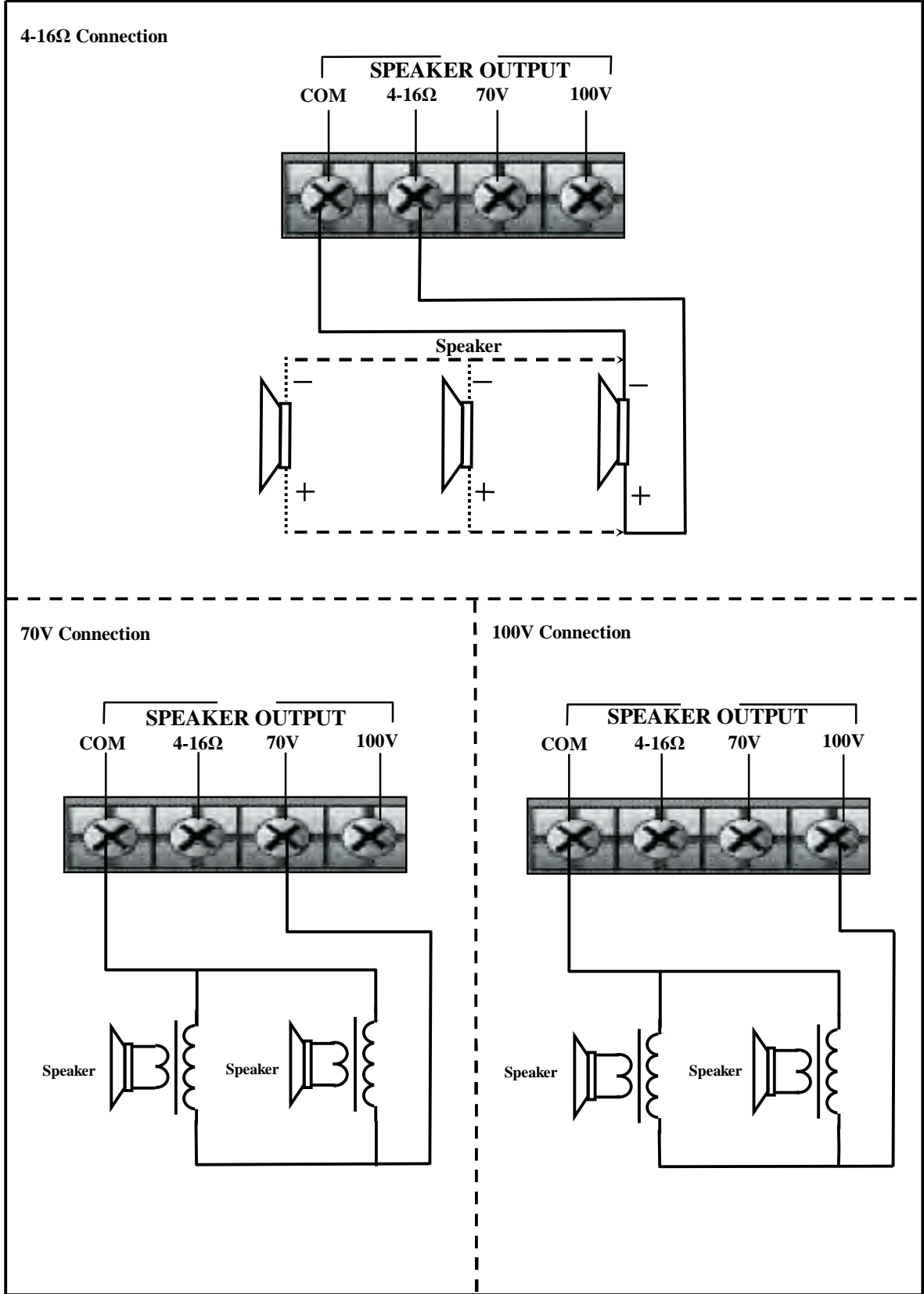
- | | | |
|--------------------------|--|---|
| 1. FM antenna jack | 7. AC 220V fuse | 13. Auxiliary input (AUX) 2 jack |
| 2. AM antenna jack | 8. Heat radiation blower window | 14. Auxiliary line 2/ Microphone 5 convert switch |
| 3. No. 2 microphone jack | 9. Chime volume adjust knob | 15. Microphone 5 jack |
| 4. No. 3 microphone jack | 10. Auxiliary line 1/Microphone 4 convert switch | 16. Line output port |
| 5. Phantom mains switch | 11. Microphone 4 jack | 17. EMC signal input jack |
| 6. 4 output terminals | 12. Auxiliary input (AUX) 1 jack | 18. AC220V power cord |

Remarks: Among the four output terminals, it is only appropriate to use one pair of them.

System connection



Power output connection



Operation instructions

I Operating instructions of equipment function

1. Volume adjusting: To satisfy customer's different demands on the music tone, this equipment is provided with 7 adjusting knobs relative to sound in total. Among them, "BASS" is the bass tone adjusting knob, "TREBLE" is the treble tone adjusting knob, "MIC1, MIC2, MIC3" knobs are used to adjust the volume of Microphone 1, Microphone 2, and Microphone 3. The adjustment of the corresponding volume for "MIC4/AUX1 VOL" and "MIC5/AUX2 VOL" knobs is controlled through the "AUX1/MIC4" and "AUX2/MIC5" selecting switches at the back panel. When "AUX/MIC" selection switch selects the line (AUX) scale, "MIC4/AUX1 VOL" and "MIC5/AUX2 VOL" knobs adjust the volume of the line (AUX); When "AUX/MIC" selection switch selects MIC scale, "MIC4/AUX1 VOL" and "MIC5/AUX2 VOL" knobs adjust the volume of MIC.
2. Microphone application: The microphone is provided with the phantom power supply, and when the capacitor type microphone is used, please turn on the phantom mains switch on the back panel, and when the movelly-cicle type microphone is used, please turn off the phantom mains switch; The switch is turned to "ON" for turning on status, and the switch is turned to "OFF" for turning off status. This machine is provided with 5-channel microphone inputs and 2-channel auxiliary line inputs. Among them, the microphone input jacks for MIC1, MIC4 and MIC5 are 6.35mm; The MIC2, MIC3 are XLR type 3-core socket jacks.

The volumes of Microphone 1, Microphone 2 and Microphone 3 are adjusted through "MIC1 VOL", "MIC2 VOL" and "MIC3 VOL" at the front panel respectively. Microphone 4 and Microphone 5 jacks are compatible with the Auxiliary line 1 and the Auxiliary line 2 jacks, and "AUX1/MIC4" and "AUX2/MIC5" converting switches at the back panel are used to change over freely the input method. AUX switch selects the line signal; MIC switch selects the signal from microphone.

2. Priority function: Microphone 1 has the highest priority, and its signal overlays all the input signals from other ports. The chime and the EMC port has the second highest priority, and its signal overlays all the other signals except Microphone 1, including Microphone 2 and Microphones 3.
3. Chime: This equipment is provided with Chime 1 and Chime 2 signals, and the chime volume can be adjusted by the chime adjusting knob at the back panel, increasing the volume by rotating clockwise and decreasing the volume by rotating counter clockwise. Pressing Chime 1 button is to start the chime signal, and the output terminal will send out '1-3-5-i' chime note, in the meantime, the signal indicator of Chime 1 button is bright; Similarly, pressing Chime 2 button also starts the chime signal, and the output terminal will send out 'i-5-3-1' chime note, and in the meantime, the signal indicator of Chime 2 button is bright, until pressing this button again to cancel the chime signal, and the indicator will be distinguished automatically.

II Setup operation of the play status

The equipment is built-in with two kinds of players, the tuner and the MP3 player. It is easy to convert between these two kinds of players conveniently: When the equipment is placed at the tuner playing mode, and when pressing whichever button under MP3 operation mode, the equipment will be converted to MP3 playing status automatically, and the screen will display "CONVERT TO MP3". In this case, the MP3 will enter the program playing mode under the situation that the USB port is connecting with memory; When the equipment is placed under MP3 play mode, the equipment will convert to the tuner play mode automatically when pressing whichever button for the tuner to operate in playing mode, and the screen will display "CONVERT TO RADIO".

After converting to a certain play mode, the concrete setup operation is as follows:

1. The setup operation of tuner at play mode:
 - 1) Press down BAND button to change over between 'AM' and 'FM' bands.
 - 2) Press (lightly) the UP button each time to raise the station frequency one step (one step for FM











being 50 kHz, one step for AM being 9 kHz). If you press the UP button over 3 seconds, it will enter the auto search mode, and it will search the station frequency from the low end to the high end continuously until the highest end is reached and then stop automatically. The station searched will be saved automatically to the station saving numbers one by one in the sequence of (1-20). During the period of continuous searching and if pressing the UP button, the equipment will stop searching. If you want to enter continuous searching again, it will search continuously from the minimum terminal upward again after pressing the UP button for 3 seconds. It will restart the saving again.






- 3) Each time you press DOWN button, the station frequency will be reduced by one step (for FM, one step 50 kHz, for AM, one step 9 kHz). After you press DOWN button over 3 seconds, it will enter auto search mode, the receiving frequency will be searching continuously from the highest end to the lowest band. The station searched will be saved automatically to the station saving numbers one by one in the sequence of (1-20). During the period of continuous searching and if pressing the DOWN button, the equipment will stop searching. If you want to enter continuous searching again, it will search continuously from the minimum terminal upward again after pressing the DOWN button for 3 seconds and it will restart the saving again.
- 4) MEMO button is used to store the station frequency received. FM band contains 1-20 saving numbers, and AM band also has 1-20 saving numbers. Press MEMO button, the digit displayed on the screen is the operation number of the last time, namely the saving sequence number and tuner frequency number last time.
- 5) M-DOWN and M-UP buttons are used to save the station saving number upward or downward. M-DOWN button is for downward adjusting, and M-UP button is for upward adjusting. For example, if you want to save frequency 107.65 to the 18th saving number, but when you press the MEMO button, the screen displayed is the 19th saving number, then, you press M-DOWN button and press again MEMO button at this time to save the band of frequency 107.65 to the 18th saving number.

2. The setup operation of MP3 play mode:

The USB port of the machine can accept a memory such as common disc, MP3 player and movable hard disc and card reader machine, etc. When these equipment are inserted to the USB port of the machine, it can search automatically and play the MP3 music file from them. Firstly, the display screen will display '***WELCOME***' in the first line and 'DSPPA' in the second line, then the equipment will play automatically according to the file saving sequence, and the display screen will display the corresponding play information; If there is no suitable play music file in the memory, then, if you press whichever operation button of MP3, the display screen will display 'No Disk'.

If the MP3 tracks played are over 99, A blue dot '●' will be lit on the display screen to show the carry.

- Play/pause: Plug into the USB memory, the equipment under the default status will play the MP3 files in the memory automatically. Press  button during play will pause the play, and press that button once more, it will go on playing the track from where it paused.
- Selective play: Press  or  button to select any track for play forward or backward; Press  or  button to select any time section of any track forward or backward. Press  button to fast rewind to 00:00 time section and it will return to the last track; Press  button to fast forward to the end time of the track and it will enter the next track.
- Repeat play: The default play sequence of equipment is to play the whole disc in repeat play. When you press  for the first time, it will start the function of the single track and current track play; Press again  button,  will start repeating function of playing the current track; Press

button for the  time, it will start the function of the current folder play; Press  button for the folder  time, it will play the current folder repeatedly; Press  button for the fifth , it will play the whole disc.

- Stop play: Press **STOP** button to stop the play in any playing process.

Precautions

1. Safety Precautions

- I Disconnect the power plug of the console from the mains before wiring the system.
- I Ensure that the input voltage to the console is as specified to avoid a risk of damage to the console.
- I Never open the casing of the console to avoid electric shock from inside.
- I Always disconnect the power plug from the mains when the console is not used, because the console is not disconnected from the mains even when the power switch is turned to the “off” position.
- I Do not leave the console in a too hot or too cold place.
- I Keep the console well ventilated to avoid damage to the console due to excessively high temperature.
- I Disconnect the power plug if the air is moist or the console is not used for a long period.
- I Remove the power plug from the outlet to disconnect the console from the mains before removing or reinstalling any part, or disconnecting or reconnecting any plug or cable.
- I Do not open the casing for maintenance by yourself or unauthorized personnel in case of failure, so as to avoid an accident or further damage.
- I Never place any corrosive on or near the console.

2. After-sales Service Precautions

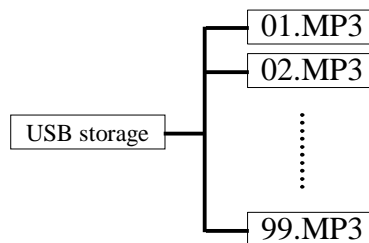
- I DSPPA will provide a three-year charge-free warranty (including replacement of parts) from the date when you purchase provided that the product is installed and operated as specified.
- I The user should show the warranty card copy kept by the user and the sales invoice for repair.
- I The warranty is invalid in the cases as follows:
 - (1) The product is damaged due to wrong installation, operation or handling.
 - (2) The product is damaged due to abnormal situations (e.g. excessively high mains voltage or ambient humidity).
 - (3) The product is damaged due to disasters and accidents.
 - (4) The ID number on the product body is changed, modified or removed.
 - (5) The product is repaired or modified by unauthorized personnel.
- I Please store the manual and warrant card well.
- I For problems or precautions not referred in this manual, please contact our distributor or visit our site at <http://www.dsppa.com>.
- I Please contact our technician (or distributor) in case of failure within the warranty period. We will take no responsibility in case that the product is disassembled or repair by unauthorized personnel.

Appendix

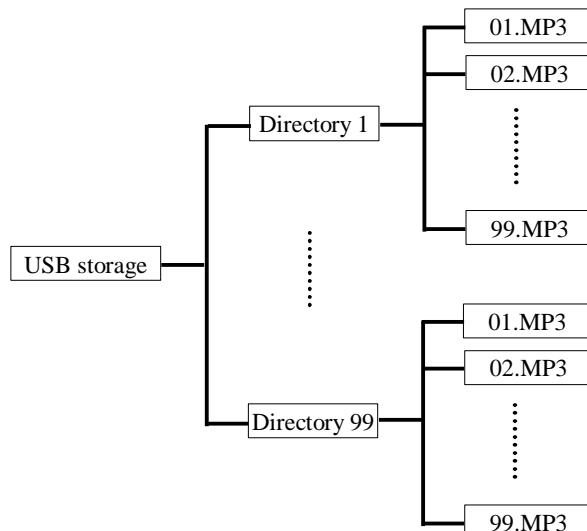
Application of File Format of USB Disk

1. This system supports a USB disk, mobile HDD or USB card reader (hereinafter collectively referred to as the USB storage) utilizing a general USB interface. The maximum bit rate of an MP3 file is 320kbps. Audio files in non-.MP3 format cannot be played. In case that a track cannot be played, check whether it is as specified. Supports FAT12, FAT16 and FAT32 file system.
2. To improve the operation speed and optimize management, it is recommended that the USB disk or mobile HDD used only store .MP3 files other than files in other format, so as to facilitate the access of files and schedule programming.
3. Up to 99 primary directories can be created in the root directory, in each of which up to 99 tracks can be stored. Also, up to 99 tracks can be stored in the root directory. It is not necessary to create a secondary directory in a primary directory; otherwise, tracks in the secondary directory cannot be read. Tracks can be stored in a USB disk by three methods as follows: Tracks can be stored in a USB disk by three methods as follows:

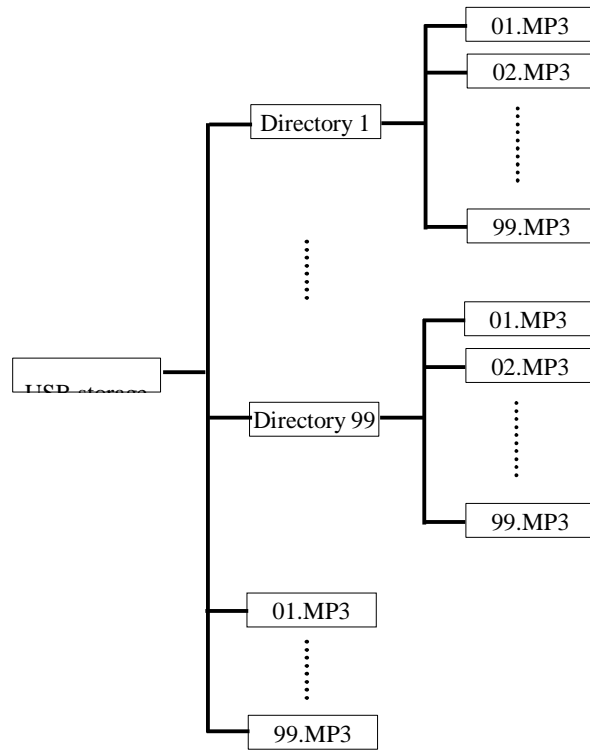
- ∅ Create no directory, and store all tracks in the root directory. This method facilitates track selection, but only 99 tracks can be stored. **Note: To select a track in the root directory, the directory number should be set as “00”, e.g**



- ∅ Store all tracks in primary directories. By this method, tracks can be stored by classification, and up to 99x99 tracks can be stored.



Store tracks in root and primary directories. Up to $99 + 99 \times 99$ tracks can be stored.



Performance specifications

Model No.	MP9006	MP9012	MP9025	MP9035
Rated output	60W	120W	250W	350W
Output adjust rate	From full load to no load, less than 3dB.			
Output mode	4Ω fixed resistance output, 70V, 100V constant voltage output			
AUX output	300Ω, 0. 8V			
Input sensitivity	Mic1,2,3,4,5 with phantom power supply (optional): 600Ω, 2.5mV(±0.5mV)			
	AUX1,2 : 10kΩ , 250mV(±50dB)			
	EMC IN : The 10kΩ, 250mV(±50mV)			
Frequency response	Line : 50Hz-20kHz (±3dB); Mic : 100Hz-10kHz (±3dB)			
Harmonic distortion	Less than 0.5% at 1kHz, 1/3 rated power			
Signal/noise ratio	Mic1, Mic2, Mic3 and Mic4, Mic5 : 70dB			
	AUX1 and AUX2 : 75dB			
Tone adjust	Bass : ±10dB (100Hz)			
	Treble : ±10dB (10kHz)			
Protection	AC fuse×1, overload, short-circuit			
Mute function	Mic1 input overlays other inputs			
	CHIME, EMC cover others (except Mic1) inputs			
Built-in music source	Tuner, MP3			
Mains source	AC 220-240V/50-60Hz			
Power consumed	100W	200W	350W	450W
Outer Packing Size (mm)	(L×W×H)525×460×140			
Unit Size (mm)	(L×W×H)430×368×88			
Gross weight	13.5kg	14.5kg	17.2kg	18kg
Net weight	11.5kg	12.5kg	15.2kg	16kg

No prior notice will be given if there is any alteration in the specifications.