# MK6906 MK6920 MK6925
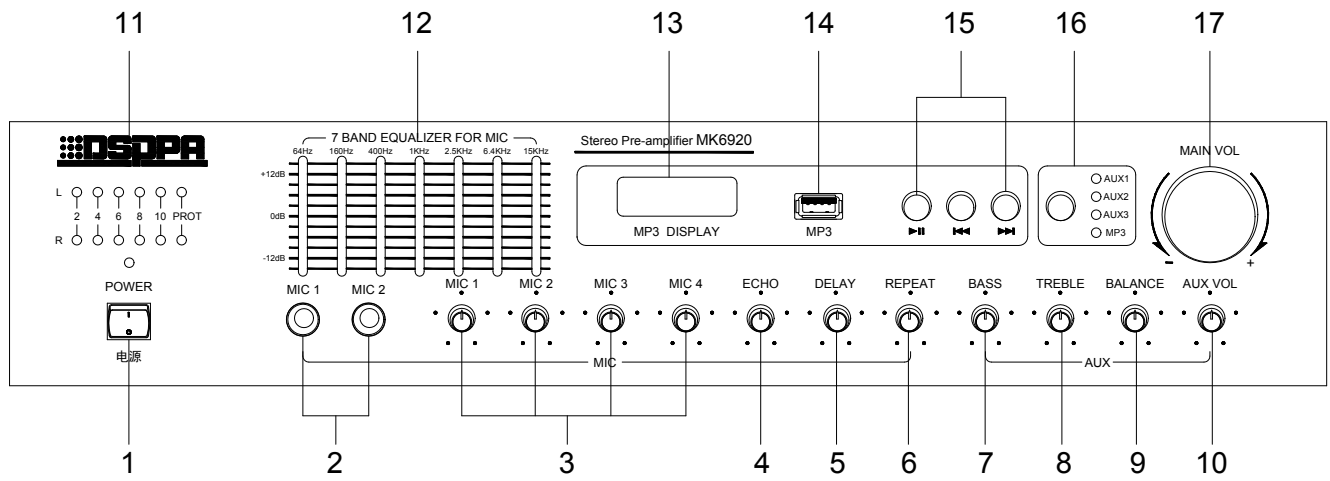
# Professional Mixer Amplifier with EQ Control



# *F*eatures

> With 4 microphone inputs that can be balanced or unbalanced, independent volume adjustment of each microphone, with mixing processing function and 7 equalization adjustment for microphone input, with phantom power supply available (+48V)

> With 3 audio (stereo) input, 2 audio output, with volume, bass, treble and equalization adjustment for audio input

> With audio source selection to select between line input and MP3. Audio from three ways and MP3 cannot be output simultaneously. Only one channel or MP3 can output once.

> Can play MP3 by USB. Can switch between two modes, select program, adjust volume, and select repeating mode and EQ mode

> With master volume adjustment

> MK6906, with rated power 2×60W/8Ω (when working alone, power of each channel is 60W/8Ω)

> MK6912, with rated power 2×120W/8Ω (when working alone, power of each channel is 120W/8Ω)

> MK6925, with rated power 2×250W/8Ω (when working alone, power of each channel is 250W/8Ω)

> With DC output protection, overload protection, short circuit protection and overheat protection

> With output level and protection indicators for two channels

> Infrared remote control of MP3

# *D*escription

MK6906/MK6920/MK6925 amplifier integrates balancing function and pre-amplifier and post amplifier. The series is equipped with three sets of stereo sound source input ports, four microphone input ports, a stereo line output ports, a recording output port and two groups of amplifier output terminals.3-way stereo sound source channels' volume can be controlled independently cooperating with function of "choose 1 out of 4". Four mics can be controlled independently. Volumes of amplifier output are controlled together. Equipped with seven equal sections, output volume is adjustable.

# *Front Panel*



1. **POWER**

2. **MIC1\2**

   Mic signal input port with independent volume control.

3. **MIC volume 1\2\3\4**

   Each mic is with independent volume control. Turn clockwise to increase the volume and turn counterclockwise to decrease the volume.

4. **ECHO**

   Adjust the echo volume and the ratio between echo and the direct sound to better the effect.

5. **DELAY**

   Can control the delay time. It's the best to put switch to the middle position.

6. **REPEAT**

   For controlling frequency of echo repeating. It's the best to put switch to the middle position.

7. **BASS**

   Clockwise adjustment for lifting, counterclockwise adjustment for decreasing

8. **TREBLE**

   Clockwise adjustment for lifting, counterclockwise adjustment for decreasing

9. **BALANCE**

   Control the sound image position of the main channel and adjust the audio and video balance to its best.

10. **AUX volume adjustment (master volume)**

    The button is for adjusting three channels' volume (channel 1/2/3). The object adjusted depends on the selected channel.

11. **Output volume level indicator**

    If the 4th and 5th indicator is lighted, it means the output gets tip distortion. Then you should adjust the volume to turn it down and the 4th and 5th indicator will flash.

12. **12.7 segment equalization adjustment fader**

    Slide the fader up to raise the amplitude of the band, and slide the fader down to attenuate the amplitude of the band.

13. **MP3 player**

    MP3 program sequence display.

**14. USB port**

Connect to the audio device and turn on the power. Select the MP3 channel source on the panel, insert the USB interface in the USB program USB and the machine will automatically start playing.

**15. MP3 playing control buttons**

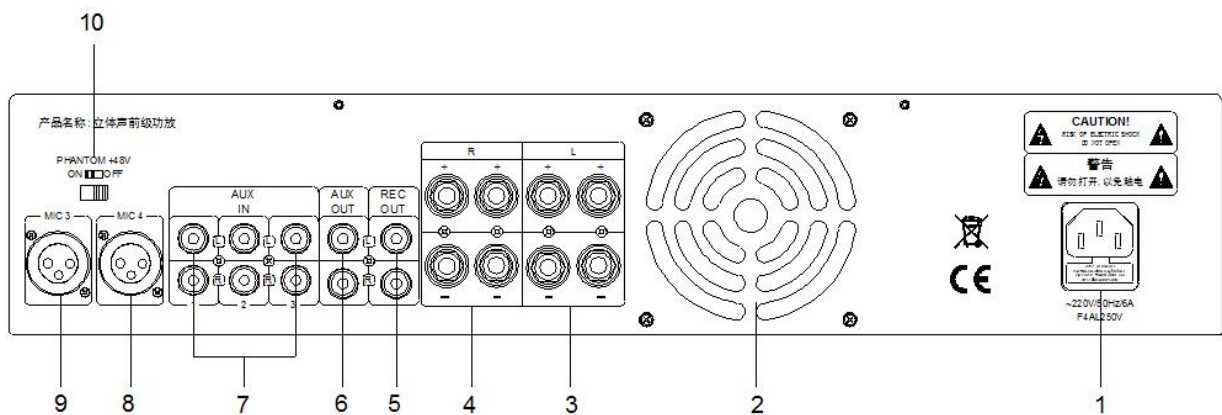Those buttons are play/pause, the previous one/the next one

**16. Channel selection button and indicator**

Press the button to choose a sound source (AUX1、AUX2、 AUX3、 MP3)to play. Indicator of selected sound source will light up.

**17. Master volume control**

Turn clockwise to increase the volume and turn counterclockwise to decrease the volume.

# *Rear Panel*



**1. Power socket**

Connect to~220V/50Hz/6A power. Don't plug or unplug it when it's powered on.

**2. Fan window**

**3.** Amplifier L output port: can connect to multiple speakers. Total resistance should be no less than 8Ω.

**4.** Amplifier R output port: can connect to multiple speakers. Total resistance should be no less than 8Ω.

**5. Recording output**

Can connect to peripheral equipment for audio recording.

**6. Line output**

For connecting to peripheral amplifier as aux line output port.

**7. Audio input port**

3-line audio stereo input. Can expand the local source input. Can connect to local DVD/radio. Note: Those 3-line output and MP3 can't be output together. Only one-line output or MP3 can be output.

**8. MIC4 input port**

**9. MIC3 input port**

**10. +48Vphantom power switch**

Turn the switch to "ON" and the +48V phantom power for the mic will be on. Turn the switch to "OFF" and the phantom power will be off.

When supporting the use of condenser microphones:

When using the condenser microphone, please turn the switch "PHANTOM" to "ON" position.

When using the moving coil microphone, please turn the switch "PHANTOM" to "OFF"

# *S*pecification

| Model | MK6906 | MK6920 | MK6925 |
|---|---|---|---|
| Microphone input sensitivity | 5 ± 0.5mV | | 4.5±0.5mV |
| Line input sensitivity | 250 ± 50mV | | |
| MP3 input -10dB / 1KHZ sine wave | Output 23V | Output 32V | Output 45V |
| Line output voltage | 950 ± 150mV | | |
| Total harmonic distortion | ≤0.5 (1KHz, normal working conditions) | | |
| Line frequency response | 20-20k Hz (± 3dB) | | |
| Microphone frequency response | 80-20k Hz (± 3 dB) | | |
| Microphone 7 balanced | 64HZ: ± 12dB | | |
| | 160HZ: ± 12dB | | |
| | 400HZ: ± 12dB | | |
| | 1KHZ: ± 12dB | | |
| | 2.5KHZ: ± 12dB | | |
| | 6.4KHZ: ± 12dB | | |
| | 15KHZ: ± 12dB | | |
| Line input and MP3 tone adjustment range bass | 100Hz: ± 12dB | | |
| Treble | 10KHz: ± 12dB | | |
| Signal to noise ratio (8Ω output) | ≥75dB | | |
| Working power supply | AC220/ 50Hz | | |
| Phantom voltage | + 48V | | |
| Rated power consumption | 8Ω 60W | 8Ω 120W | 8Ω 250W |
| Protective function | Overload, over temperature, short circuit | | |
| Dimension (L × W × H) | 483x 310x 88 mm | | |
| Package dimension (L × W × H) | 520mm×395mm×170mm | | |
| Gross weight | 9.5kg | 10.15kg | 7.6kg |
| Net weight | 7.5kg | 8.15kg | 5.6kg |

Specifications are subject to change without notice.