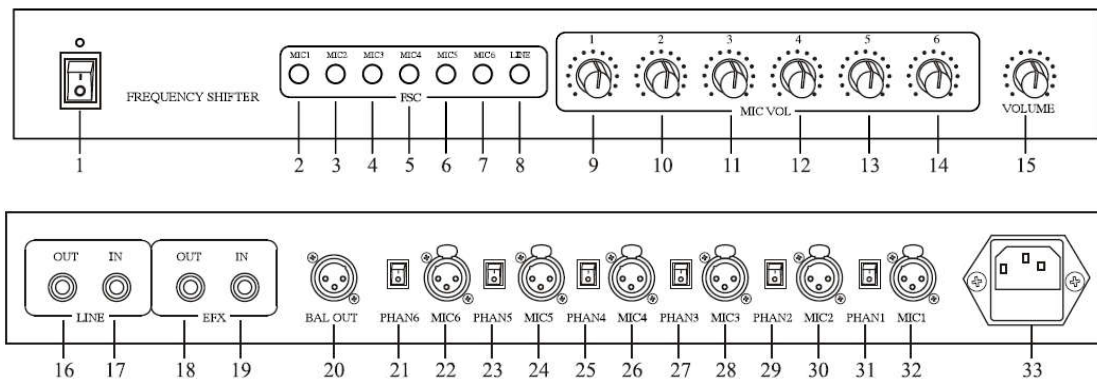# INSTRUCTION MANUAL

# KONANlabs KSP-M61FS

# Instruction of 6CH frequency shifter

## A. Specification

1. Power supply: AC220~230V,50/60Hz
2. 6 CH phantom microphone input
3. 6 CH independent microphone power control switch
4. Independent microphone and line input switch
5. Independent microphone volume control switch
6. EFX port support connecting to conference system
7. Frequency shift: 5Hz±1Hz
8. Input impedance: ≥5KΩ
9. Output impedance: ≤600Ω
10. Microphone Gain: 5~14dB
11. Frequency response:
    20Hz-20 KHz in frequency non-shift state
    150Hz-15 KHz in frequency shift state

## B. Function Key



1. Power switch and indicator lamp
2. CH 1 frequency shift switch
3. CH 2 frequency shift switch
4. CH 3 frequency shift switch
5. CH 4 frequency shift switch
6. CH 5 frequency shift switch
7. CH 6 frequency shift switch
8. Line and EFX input frequency shift switch
9. CH 1 microphone volume control switch
10. CH 2 microphone volume control switch
11. CH 3 microphone volume control switch
12. CH 4 microphone volume control switch
13. CH 5 microphone volume control switch
14. CH 6 microphone volume control switch
15. Master volume control switch
16. Line audio output
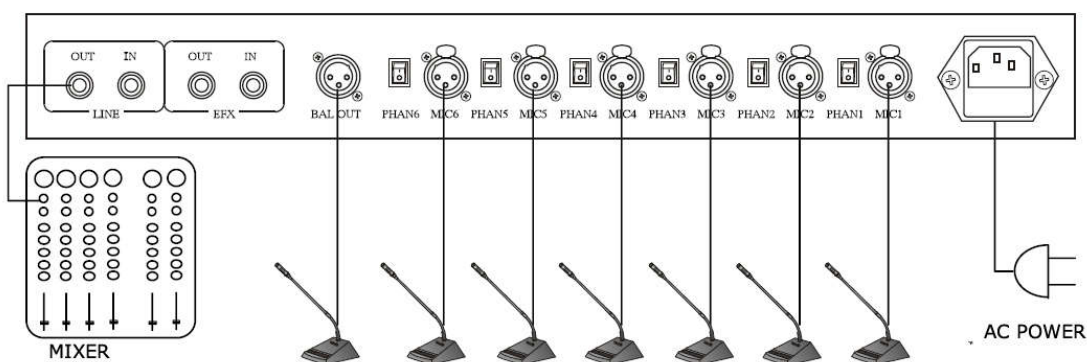17. Line audio input
18. EFX audio output

19. EFX audio input
20. Audio balance output
21. Phantom power 48V control switch of CH 6
22. CH 6 microphone input
23. Phantom power 48V control switch of CH 5
24. CH 5 microphone input
25. Phantom power 48V control switch of CH 4
26. CH 4 microphone input
27. Phantom power 48V control switch of CH 3
28. CH 3 microphone input
29. Phantom power 48V control switch of CH 2
30. CH 2 microphone input
31. Phantom power 48V control switch of CH 1
32. CH 1 microphone input
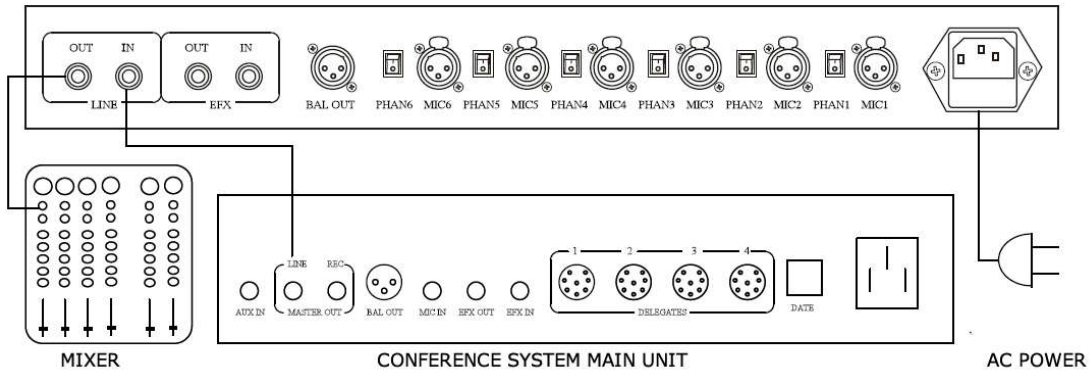33. AC power input

## C. Operation

1. Please turn off the power switch first, and then connect the AC power. Mixer and other equipments, adjust all volume switches to minimum, connect the microphone, turn on phantom power switch of each channel if microphone support, and then turn on the power switch. Adjust each microphone to the balance level, and adjust the master volume to the suitable position to ensure the high quality tone.
2. Connect external audio to (17) and debug (15) volume according to the circumstances.
3. If need connect to conference system local speaker, please connect to EFX port with the schematic diagram
4. Please make sure turn off the Phantom power switch if microphone does not support 48V.

## D. Schematic diagram

1. Connection picture with 6 CH meeting microphone

## 2. Connection picture with conference system external speaker



MIXER                      CONFERENCE SYSTEM MAIN UNIT                AC POWER

## 3. Connection picture with conference local speaker



CONFERENCE SYSTEM MAIN UNIT                AC POWER