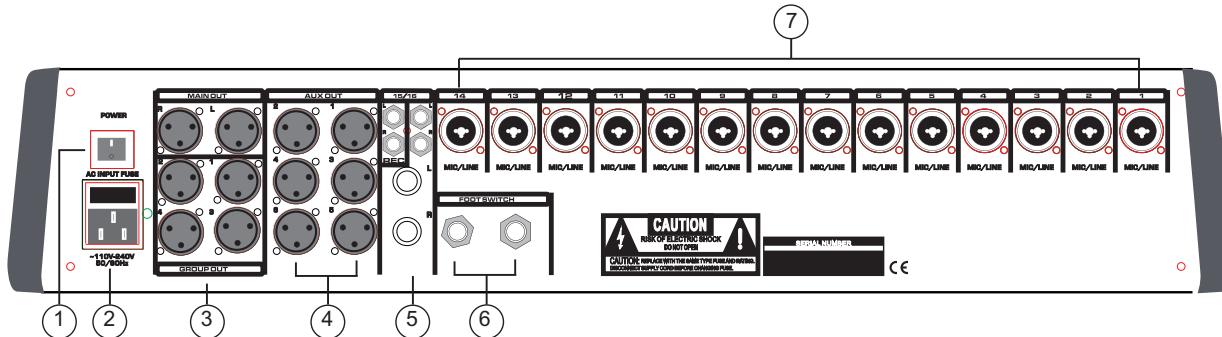


# User Manual



**Mixer TCI-16CFX**

## BACK PANEL SECTION



### 1. POWER SWITCH

Use the POWER switch to turn on the mixing console. The POWER switch always be in the "off" position when you are about to connect your unit to the mains. To disconnect the unit from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.

### 2. FUSE HOLDER/IEC MAINS RECEPTACLE

The console is connected to the mains via the cable supplied, which meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating. The mains connection is made via a cable with IEC mains connector. An appropriate mains cable is supplied with the equipment.

### 3. MAIN OUT(L,R) JACKS

These jacks deliver the mixer's stereo output. You use these jacks, for example, to connect to the power amplifier driving your main speakers.

### GROUP OUT(1-2,3-4) JACKS

It can connect with others amplifiers, which can be controlled by GROUP 1-2/3-4.

### 4. AUX1-2-3-4-5-6 OUT

The AUX SEND jack should be used when hooking up a monitor power amplifier or active monitor speaker system. The relevant AUX path should be set pre-fader.

### 5. STEREO INPUT JACKS

You can connect with cassette deck.

This jack is to be connected with cassette deck when playing back.

REC

This jack is to be connected with cassette deck when recording the mixed output.

### 6. FOOT SWITCH JACK

Connecting with effect pedal.

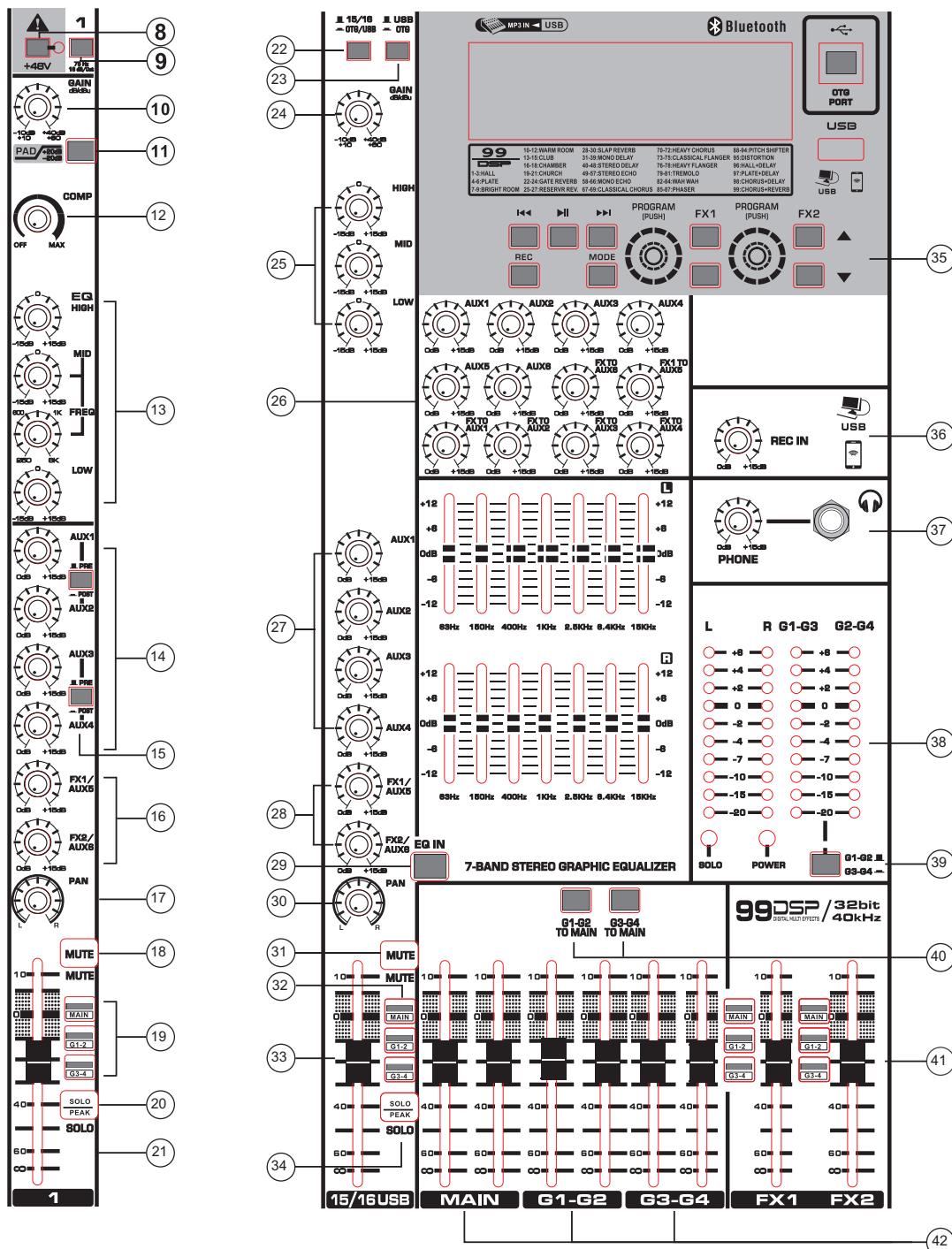
### 7. MIC INPUT JACKS

These are balanced XLR-type microphone input jacks.(1:Ground;2:Hot;3:Cold)

### LINE Input jacks(monaural channels)

These are balanced TRS phone-jack line inputs.(T:Hot;R:Cold;S:Ground). You can connect either balanced or unbalanced phone plugs to these jacks.

## INPUT CHANNELS SECTION



**8. PHANTOM +48V SWITCH**

This is switch toggles phantom power. Press this key to turn on / o phantom power.

**9. LOW CUT:** Turn on/off LOW CUT. User should press this switch if you want to open LOW cut. The frequency will cut under 80HZ if you press this key.

**10. GAIN CONTROL**

Adjusts the input signal level. To get the best balance between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator lights only occasionally and briefly on the highest input transients. The 60 to +10 scale is the MIC input adjustment range. The -40 to +10 scale is the Line input adjustments range. The -40 to +10 scale is the LINE input adjustment range.

**11. PAD SWITCH**

Cut down the signal sensitivity of each channel 20dB.

**12. COMPRESSOR**

When the incoming signal exceeds the threshold level set by this knob, the signal level is automatically compressed. This reduces the dynamic range and reduces the chance of distortion due to overloading the input signals.

**13. Equalizer (HIGH, MID, FREQ, LOW)**

This the four-band equalizer adjusts the channels high, mid, FREQ and low frequency bands.

Setting the knob to the "0" position produces a flat response in the corresponding frequency band, while turning to the left attenuates the band.

**14. AUX1, AUX2, AUX3, AUX4 CONTROL**

Controlling the level of the auxiliary output channel without affecting the mixed amplifier signal. Adjusts the level of input channel to AUX.

**15. The PRE/POST 1-3/4-6**

The [ AUX1 ] knob indicated "PRE" adjusts the level of the pre-fader signal ( before fader adjustment ) The [ PRE ] switch on [ AUX1 ][ AUX2 ] and [ AUX3 ][ AUX4 ] can be used to select whether the pre-fader (  ) ( the signal before fader adjustment ) or post fader(  ) ( the signal after fader adjustment ) signal is sent to the AUX bus by the [ PRE ] switch.

**16. FX1&FX2 CONTROL**

The aux send marked FX offers a direct route to the built-in effects processor.

Controlling the EFF volume of mono channel.

**17. PAN Control**

The PAN control determines the position of the channel signal within the stereo image. When working with sub groups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.

**18. MUTE SWITCH**

The accordingly channel will be mute after pressing this key.

**19. MAIN**

You can use MAIN-L/R fader after pressing "MIX"switch.

**G1-G2**

You can use G1-2 fader after pressing the switch.

**G3-G4**

You can use G3-4 fader after pressing the switch.

**20.SOLO/PEAK SWITCH**

**SOLO:** Folks use solo in live work on preview channels before they are let into the mix, or to just check out what a particular channels is up to anytime during a session. You can solo as many channels at a time as you like. All in all, you can monitor according channel with earphone after pressing this key.

**PEAK:** When the input signal is too loud , the indicator will flash.

**21.CHANNEL FADERS**

Adjusts the level of the channel signal. Using these fader to adjust the output level amount the various.

**22.TOGGLE KEY**

When the key is released ,the input signal for this channel is from stereo channel.

When the key is pressed ,the input signal for the soundcard input channel.

**23.TOGGLE KEY**

When the key is released ,the input signal from the MP3(USB) input channel.

When the key is pressed ,the input signal from the soundcard(OTG) channel.

**24.GAIN CONTROL-STEREO INPUT CHANNEL**

Adjusts the input signal level. To get the best balance between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator lights only occasionally and briefly on the highest input transients. The 60 to+10 scale is the MIC input adjustment range. The -40 to +10 scale is the Line input adjustments range. The -40 to +10 scale is the LINE input adjustment range.

**25.EQUALIZER-STEREO INPUT CHANNEL**

This the three-band equalizer adjusts the channels high. mid and low frequency bands. Setting the knob to the "0"position produces a flat response in the corresponding frequency band, while turning to the left attenuates the band.

**26.AUX1,AUX2,AUX3,AUX4,AUX5,AUX6 CONTROL**

Using these knob can control the AUX output jack. Users should turn these to right if you want to increase the volume of equipments, which connect with AUX1,AUX2,AUX3,AUX4.

**FX TO AUX**

The EFF(FX) could be added into the AUX output if you turn this knob to the right side.

**27.AUX1,AUX2,AUX3,AUX4 CONTROL**

Controlling the level of the auxiliary output channel without affecting the mixed amplifier signal. Adjusts the level of input channel to AUX.

**28.FX1&FX2 CONTROL**

The aux send marked FX offers a direct route to the built-in effects processor.

Controlling the EFF volume of mono channel.

**29.EQ IN**

This key is used to turn on/off the 7-BAND STEREO GRAPHIC EQUALIZER.

**30.PAN Control**

The PAN control determines the position of the channel signal within the stereo image. When working with sub groups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.

**31.MUTE SWITCH**

The accordingly channel will be mute after pressing this key.

**32.MAIN**

You can use MAIN-L/R fader after pressing "MIX"switch.

**G1-G2**

You can use G1-2 fader after pressing the switch.

**G3-G4**

You can use G3-4 fader after pressing the switch.

**33.CHANNEL FADERS**

Adjusts the level of the channel signal. Using these fader to adjust the output level amount the various channels.

**34.SOLO/ PEAK SWITCH**

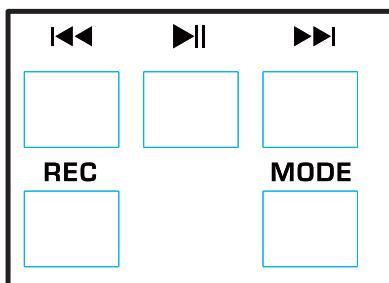
**SOLO:** Folks use solo in live work preview channels before they are let into the mix, or to just check out what a particular channels is up to anytime during a session. You can solo as many channels at a time as you like. All in all, you can monitor according channel with earphone after pressing this key.

**PEAK:** When the input signal is too loud, the indicator will flash.

**35.MP3 and EFF ZONE****SOUNDCARD INPUT PORT**

 **PC/PHONE INTERFACE:** Connecting with PC or PHONE. **USB INTERFACE :**

 Inserting USB to this port.

**THE CONTROLLING ZONE OF MP3****PLAY/PAUSE CONTROL BUTTON**

**◀◀ PREV** Prev/Volume"-"decrease control button.

Short press the key to skip the previous song.

Hold the key for seconds to decrease the master volume.

**▶◀** Short press to play/stop music.

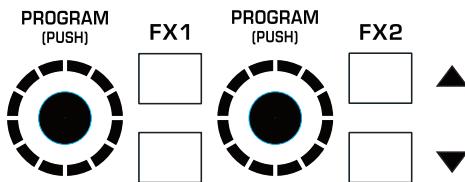
**▶▶ NEXT** Next/Volume"++"increase control button.

Short press the key to skip the next song.

Hold the key for seconds to increase the master volume.

**REC** Get into recording interface after pressing the key.

**MODE** Get into recording /BT mode interface after pressing the key.



### 36.REC IN

Controlling the volume of REC.

### 37.PHONES JACK

Connecting a pair of headphone to this TRS phone-type output jack.

### PHONE LEVEL CONTROL

Controlling the output signal level to headphones.

### 38.LEVEL METER

Show the level signal's level of AUX output.

### 39.TOGGLE KEY

When the key is released ,users can monitor signal from 1st-2rd of GROUP.

When the key is pressed ,users can monitor signal from 3th-4th of GROUP.

### 40.TO MAIN SWITCH

The signal from 1st-2rd of GROUP will be sent to MAIN channel.

The signal from 3th-4th of GROUP will be sent to MAIN channel.

### 41.CHANNEL LEVEL KNOB- L&R

Controlling the level of EFF output signal.

### 42.MAIN

You could use MAIN L-R fader after pressing "MAIN" switch.

### G1-2;G3-4

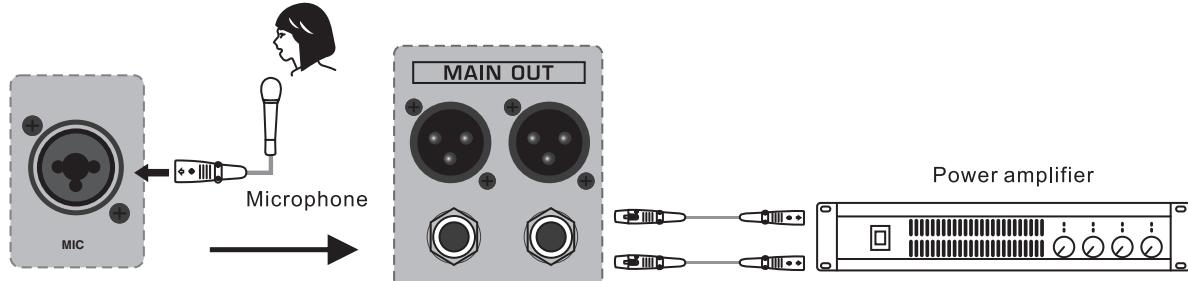
You can use G1-2 fader after pressing the switch.

You can use G3-4 fader after pressing the switch.

## Examples of use

### 1. Use the amplifier

① Choice 1: 4ch big power mixer or 2ch big power mixer



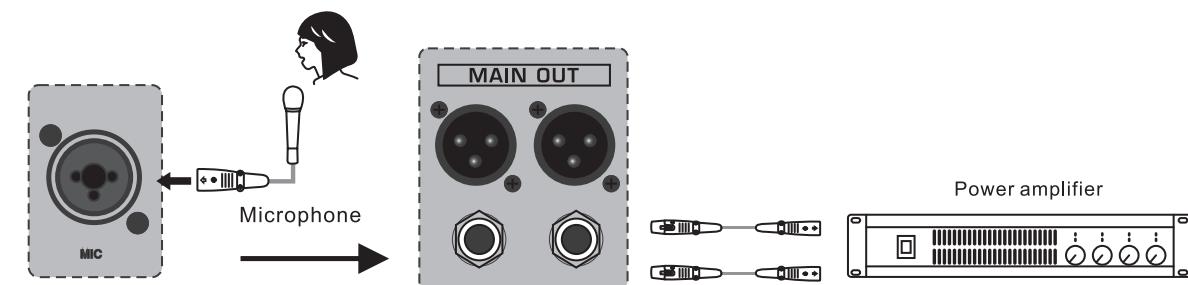
Single channel on  
the amp connect with L or R: Press "MAIN"  
the amp connect with G1 or G2: Press "G1/G2"

Gain open

② Choice 2: 2ch small power mixer

Total volume on

Complete



Gain open

Total volume on

Complete

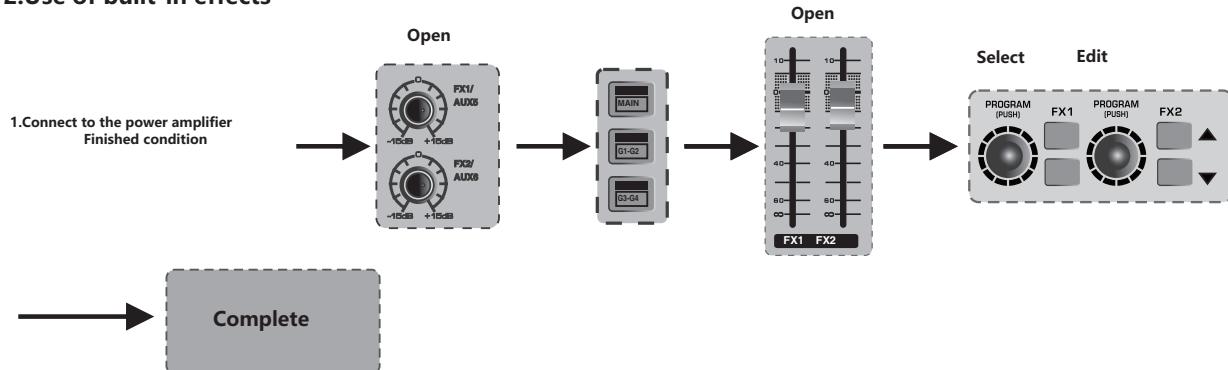
Remark:

There is no sound after pressing "MUTE" key

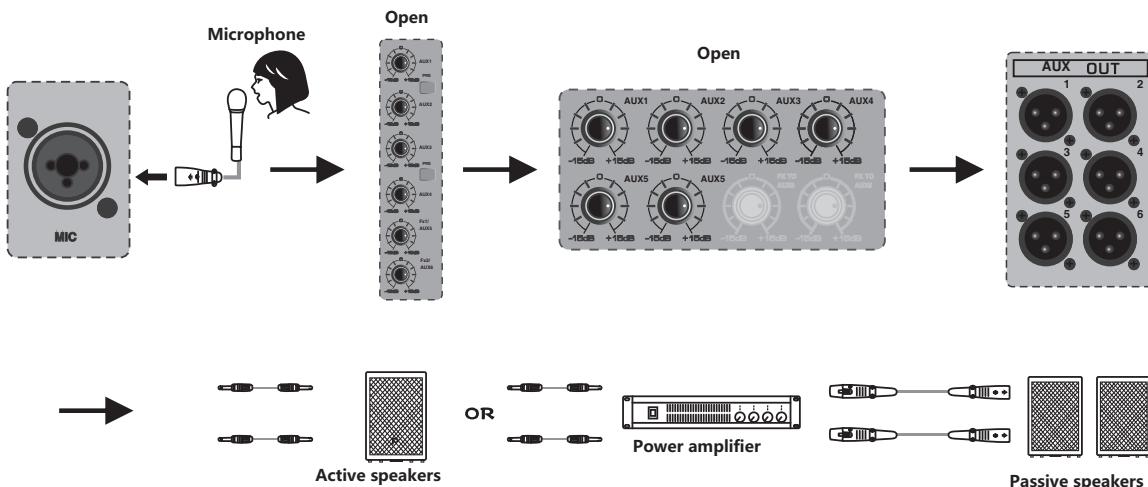


Please check the "MUTE" key whether press when the channel without any sound.

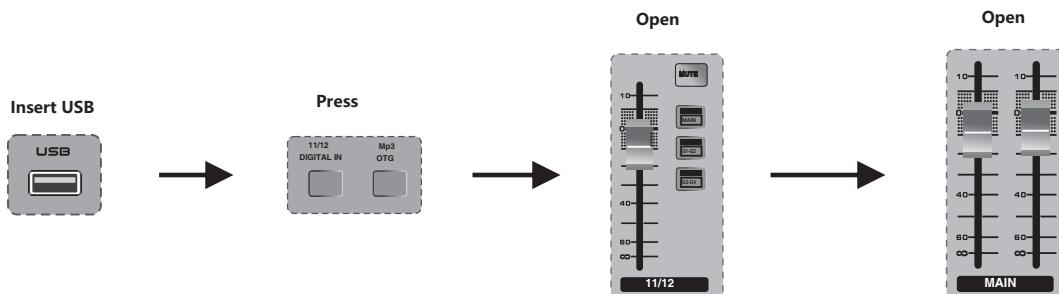
## 2. Use of built-in effects



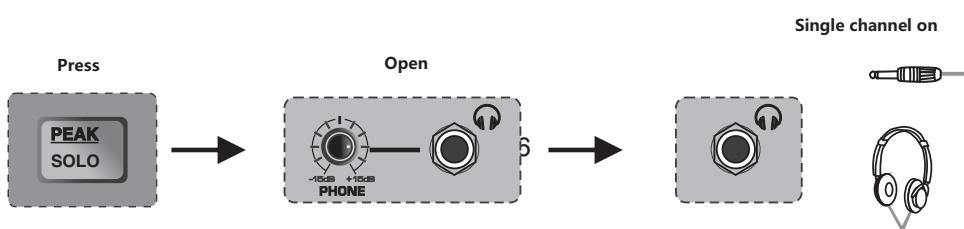
## 3. Use of AUX



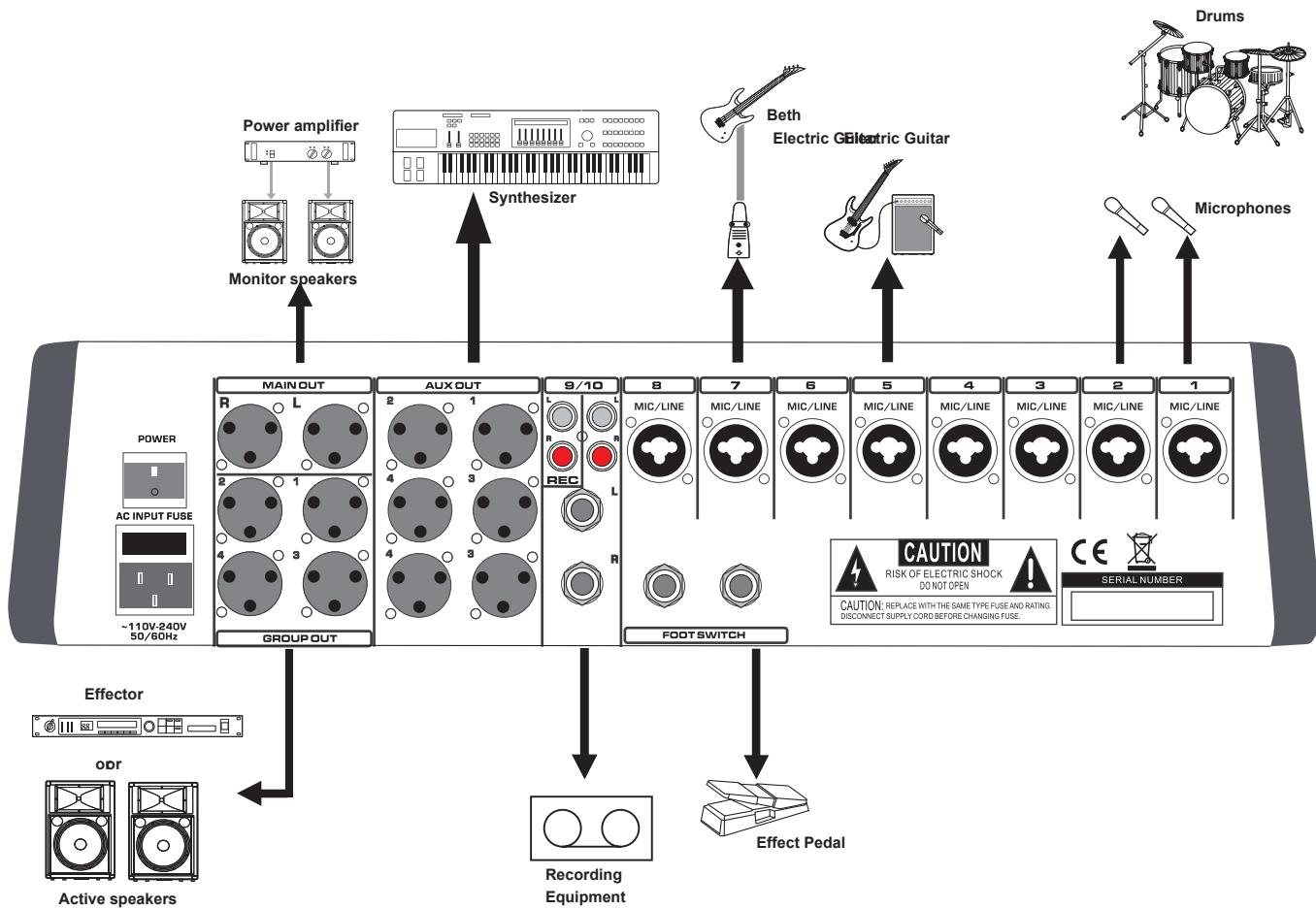
## 4. Use of USB



## 5. Monitor use



## CONNECTION INSTRUCTIONS





**CAUTION:** Do not open the equipment cover arbitrarily,  
so as not to electric shock. Please contact the professionals  
to maintain if necessary.