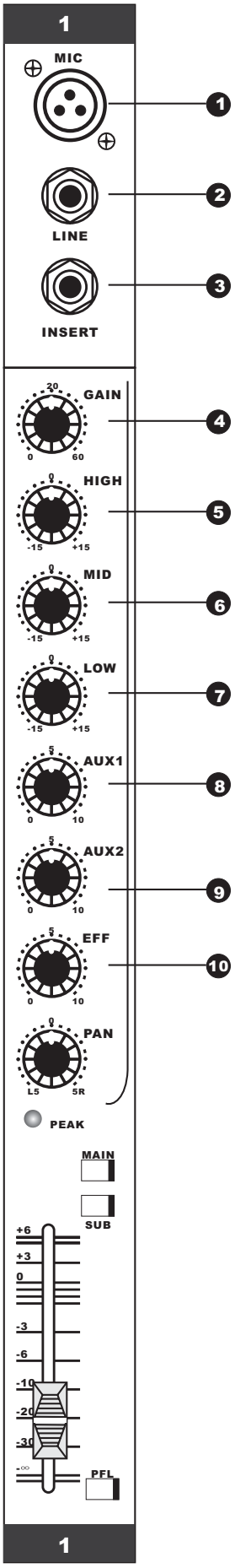
Professional mixer console

Instruction Manual

M-1002
M-1602
M-2202



1 XLR Mic. Inuput

Balanced XLR Mic. Connector, power supplied by +48V phantom power, can accept all kinds of balanced or unbalanced Mic. Signal.

2 LINE INPUT

1/4" balanced connector can accept balanced or unbalanced sound signal, such as keyboard or other musical instrucpments.
Tip=Signal+ Ring=Signal- Hole=Sleeve

3 INSERT

Signal input, Microphone signal output

4 GAIN

Enable the gain of microphone from -60dB to -20dB by adjusting this control.

5 HIGH FREQUENCY CONTROL

You can increase or decrease 15dB at 12KHz by adjusting this knob.

6 MID FREQUENCY CONTROL
You can increase or decrease 15dB at 3.5KHz by adjusting this knob.

7 LOW FREQUENCY CONTROL

You can increase or decrease 15dB at 350 Khz by adjusting this knob.

8 AUX 1

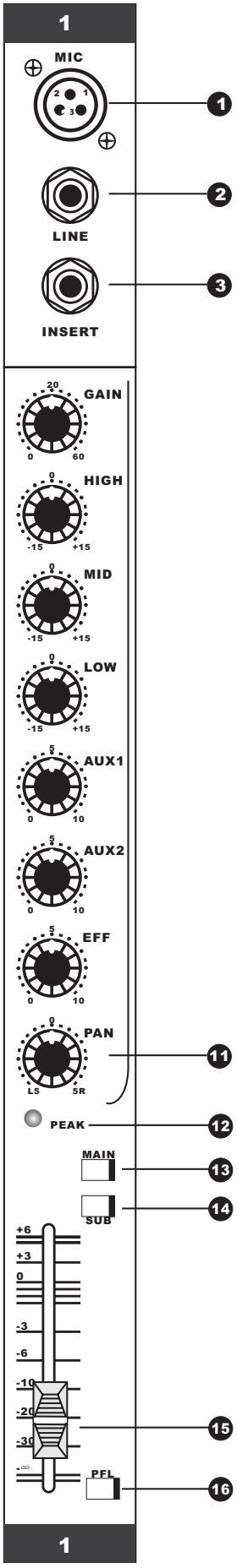
The level of the monitor aux output channel can be adjusted by this knob.

9 AUX 2

The level of the monitor aux output channel can be adjusted by this knob.

10 EFFECT

To get different delayed effect, adjust this control to change the input level.



11 PAN

Signals can be distributed to right and left generatrix unequally by adjusting this control. When the knob is in the middle, the signals are distributed equally to both right and left lines. When the knob is on the left, the signals to the right channel will increase, while to the left, decrease. When the knob is on the right, the signals to the left channel will increase, while to the right, decrease. When the knob is on the right end, left channel will be off. While on the left end, the right will be off.

12 PEAK

The peak level indicator will be light when the clip level exceeds +10dB.

13 MAIN

Press this key to let the signal output from main channel.

14 SUB

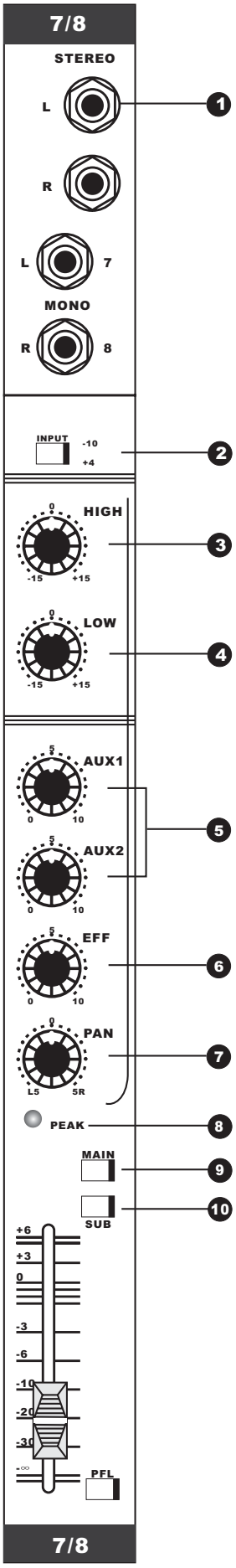
Press SUB channel control for signal output from SUB signal line.

15 CHANNEL ADJUSTMENT FADER

For performance harmony, adjust this fader to control total channel signals from MAIN and SUB.

16 PFL

You can monitor the output condition from this channel by headphone after pressing this control.



1 STEREO/MONO

Lotus connector and 1/4 connector are right and left stereo line input that are used for balanced high level input signals. If the signals are input to input connector of left channel, output level of signal output will be transited to the left or right signal; if the signals are input to the right input connector, the output level will only be transited to the right channel. If the signals from each channel are input to the input connectors of right and left channels, both output channels will be stereo output.

2 LINE INPUT

Press the knob, input signals will be decreased -10dB.

3 HIGH FREQUENCY CONTROL

You can increase or decrease 15dB at 12KHz by adjusting this knob.

4 LOW FREQUENCY CONTROL

You can increase or decrease 15dB at 350Hz by adjusting this knob.

5 AUX1 AUX2

The level of aux output channel can be controlled and monitored by adjusting this knob.

6 EFFECT

To get different delayed effects, adjust this control to change the input level.

7 PAN

Signals can be distributed to right and left generatrix unequally by adjusting this control. When the knob is in the middle, the signals are distributed equally to both right and left lines. When the knob is on the left, the signals to the right channel will increase, while to the left, decrease. When the knob is on the right, the signals to the left channel will increase, while to the right, decrease. When the knob is on the right end, left channel will be off. While on the left end, the right will be off.

8 PEAK

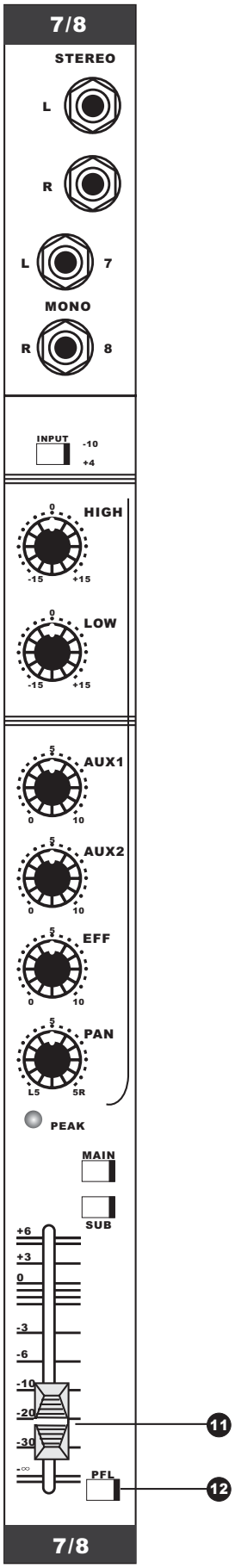
The peak level indicator will lights up when the clip level exceeds +10dB.

9 MAIN

Press main channel control for main volume signal output.

10 SUB

Press SUB channel control for signal output from SUB signal line.

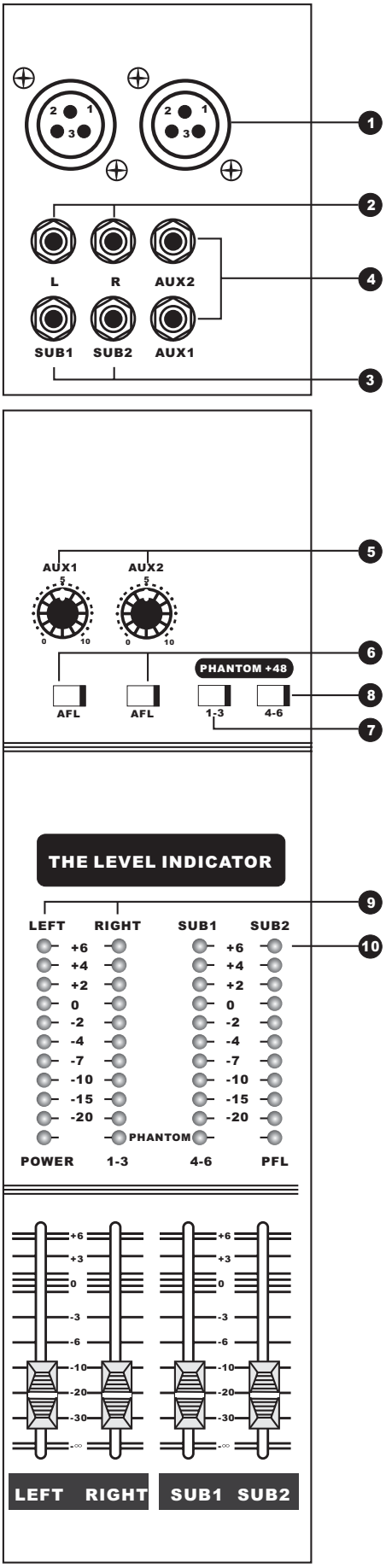


11 CHANNEL ADJUSTMENT FADER

For performance harmony, adjust this fader to control total channel signals from MAIN and SUB.

12 PFL

You can monitor the output condition from this channel by headphone when pressing this control.



MAIN CONTROL SECTION

1 Total output balanced connector of right/left channel (BALANCE)
Pin 1= Ground Pin 2= Signal+ Pin 3= Signal-

2 Total output of main right/ left channel unbalanced connector (MAIN)
Top= Signal Ring= Ground Hole=Sleeve

3 SUB1/SUB2
Top=Signal Ring=Ground Hole=Sleeve

4 AUX1/AUX2
The sound will be returned to the stage when this connector is connected to active monitor speaker or monitor amplifier. It can also help musician and actor to control or monitor the sound effect efficiently.

5 AUX1 AUX 2
Aux output level can be adjusted by this knob.

6 AFL

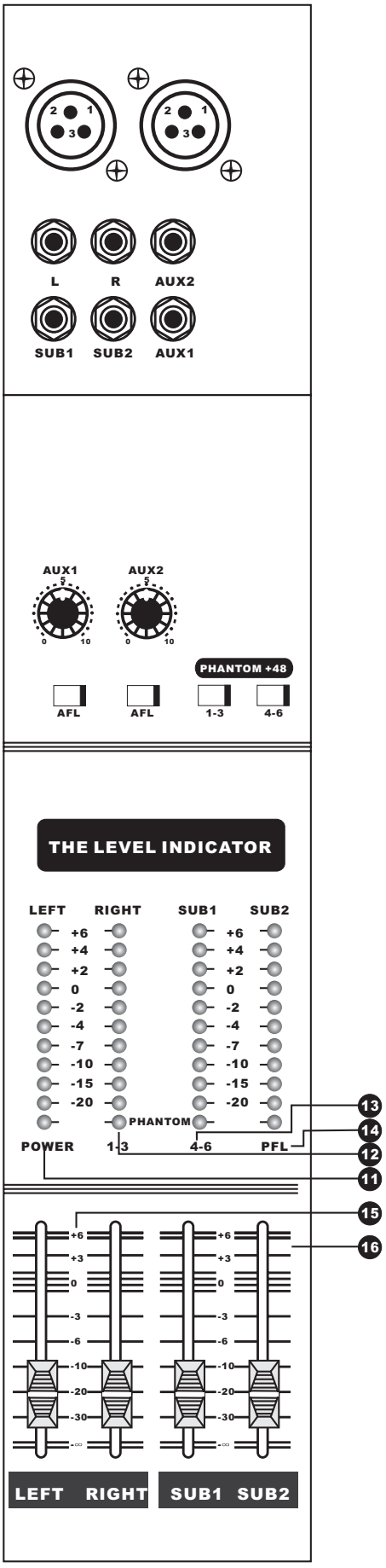
Press this key can detect the AUX level and listen the AUX output signal

7 +48V PHANTOM POWER SUPPLY SWITCH (1-3)
+48V PHANTOM POWER SUPPLY of No.1-3 channel can be controlled by this knob.

8 +48V PHANTOM POWER SUPPLY SWITCH (4-6)
+48V PHANTOM POWER SUPPLY of No.4-6 channel can be controlled by this knob.

9 MAIN VOLUME LEVEL DISPLAY (MAIN)
Main volume VU level display (Two groups of 10 bands light beams in three colors) indicates the output level condition from right and left channels. To avoid the signal distortion, the output level could not exceed +4dB.

10 SUB CHANNEL LEVEL DISPLAY (SUB1 SUB2)
SUB volume VU level display (Two groups of 10 bands light beams in three colors) indicates the output level condition from right and left channels. To avoid the signal distortion, the output level could not exceed +4dB.



11 POWER INDICATOR

The machine is under working condition while the indicator is on.

12 +48V PHANTOM POWER SUPPLY INDICATOR (1-3)

No. 1-3 channel and No. 7-9 channel have been connected to +48V phantom power supply when the indicator is on.

13 +48V PHANTOM POWER SUPPLY INDICATOR (4-6)

No. 4-6channel and No. 10-12 channel have been connected to +48V phantom power supply when the indicator is on.

14 PFL

The monitor signal line is working when the indicator is on.

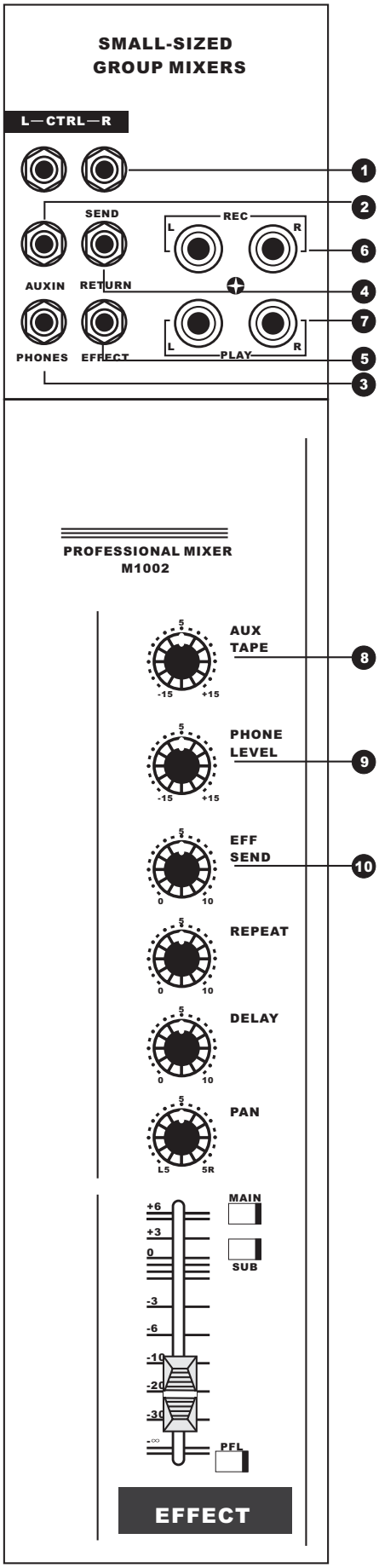
15 MAIN OUTPUT SIGNAL FADER FOR LEFT AND RIGHT (LEFT RIGHT)

Output level of main signal can be controlled by adjusting this fader.

16 OUTPUT FADER FOR SUB1 AND SUB 2 OF SUB SIGNAL CHANNEL(SUB1 SUB2)

SUB output level can be controlled by adjusting this fader.

Professional mixer



1 CTRL
Connector for monitor speaker and amplifier connected from outside.

2 AUX IN
Stereo input connector. It can also be connected with other audio signal input.

3 PHONES
Connected with stereo headphone, to monitor the condition of total output and input from each channel.

4 SEND
Connected with input connector of external digital delayed equipments or effect equipments, output EFF signals.

5 RETURN
Connected with output connector of external digital delayed equipment or effect equipment; accept return effect signals.

6 REC
Connector for output signals from stereo recorder output; connected with recorder’ s record input. Able to record the output signals from mixer.

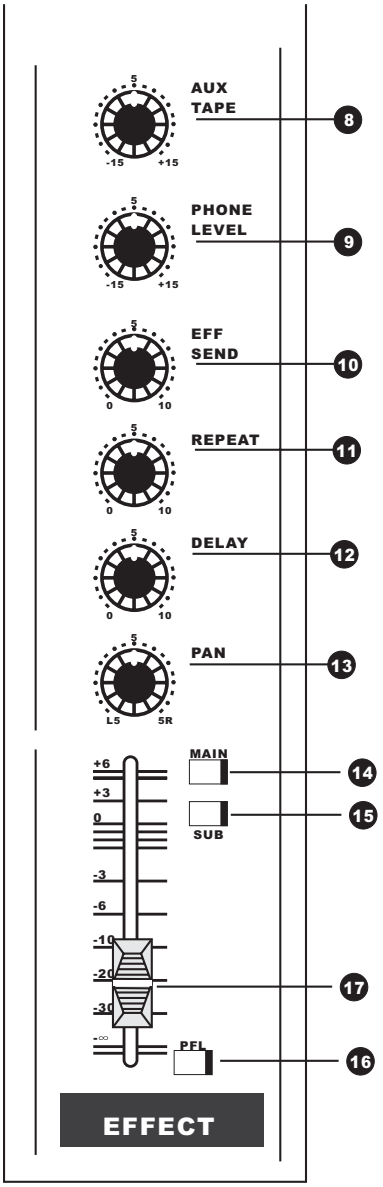
7 PLAY
Connector for input signals from stereo recorder. Accept output signals from record or other audio equipments

8 AUX TAPE

Input level of Aux record input can be controlled by adjusting this knob.

9 PHONE LEVEL
Monitor line and output volume of headphone can be adjusted by turning this knob.

10 EFF SEND
Output level of effect sound (the ratio of delayed and direct sound) can be adjusted by adjusting this knob.



11 REPEAT
Return level can be controlled by adjusting this knob.

12 DELAY
Delayed time can be changed by adjusting this knob.

13 PAN
Adjust this knob to control the level of right and left channels that is distributed from effect signals.

14 MAIN
Press this knob, main output signals will be output with reverberation effect.

15 SUB
Press this knob, output signals from SUB channels will be output with effect sound.

16 PFL
Press this knob, signal level from reverberation effect channel can be monitored invidually.

17 VOLUME FADER OF REVERBERATION EFFECT CHANNEL
Volume level of final effect can be adjusted by this fader.

1 EXTERNAL POWER CONNECTOR
Accept external power equipment, AV double 17V, 750mA.

2 POWER SWITCH

Technical Specifications

MODEL / CONDITON	M-1002	M-1602	M- 2202
Input Sensitivity	Mic-60dBm line-20dBm Stereo Ch In-20dB	Aux in-20dB Aux Send-20dB Tape in-10dB	
Nominal output level	Eff Send -10dBm Aux Send 0dBm		
Common Mode Rejection	-70dB		
Output Voltage (mixer part)	8V Max		
S/N Ratio	⩾-85dB		
THD(1KHz Full Power)	Less than 0.01% (at 1KHz)		
Frequency Response	20Hz-20kHz +/-3dB		
Headphone	7V/220Ω		
Parametric EQ	HI ±15dB/12kHz MID ±15dB/2.5k LOW ±15dB/350kHz		
Power consumption	30W	50W	
Power Supply	AC220-240V/50-60Hz		