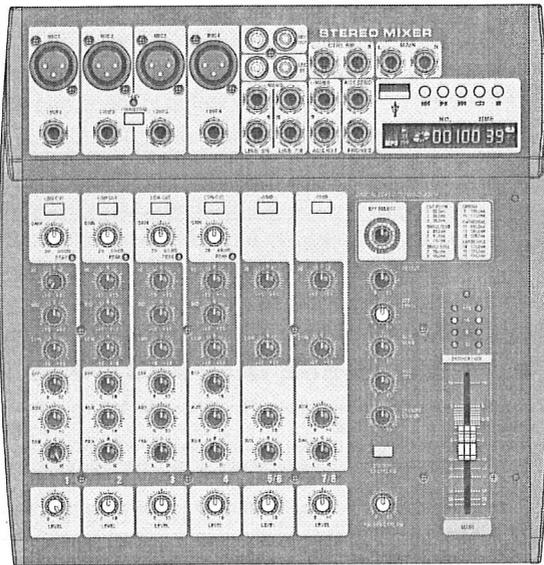


6/8-CHANNEL WITH USB COMPACT MIXING CONSOLE

USER'S MANUAL



SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS!

WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



This triangle on your component alerts you to the presence of uninsulated dangerous voltage inside the enclosure that may be sufficient to constitute a risk of shock.

This triangle on your component alerts you to important operating and maintenance instructions in this accompanying literature.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVERS (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER ALL SERVICING TO A QUALIFIED SERVICE PERSONNEL.

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

- Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
- The products should be located so that its location or position does not interfere with its proper ventilation.
- The product should be located away from heat sources such as radiators, heat resistors or other products that produce heat.
- The product should be connected to a power supply only of the type described in the operating instructions or as marked on the rear panel of the product.
- The power supply cord of the products should be unplugged from the outlet when left unused for a long period of time.
- Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- The product should be serviced by qualified service personnel when:
 1. The power supply cord or the plug has been damaged; or
 2. Objects have fallen, or liquid has been spilled into the product; or
 3. The product has been exposed to rain; or
 4. The product does not appear to operate normally or exhibits a marked change in performance; or
 5. The product has been dropped, or the enclosure damaged
- Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to quality service personnel.

CAUTION

- Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.
- Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

Welcome you using this series mini mixer. It has small size, handsome outline and perfect functions.

It is easy to schlep or operate. It must be a ideal equipment you need.

Please read this manual carefully to know all functions and operations of the product well, in order to operate the unit at the good condition.

FEATURES

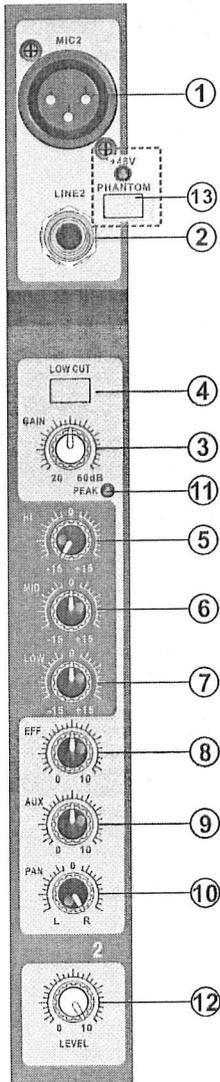
- 2~4 mono input channels and 2 stereo input channels.
- Frequency equalizer on each input channel.
- Ultra low-noise discrete Mic pre-amplifier on microphone inputs.1
- MONO channel can connect to low cut filter.
- 10dB attenuator switch on stereo channel that suits the different signal sources.
- One AUX output channel, one AUX input channel.
- Individual stereo play input and record output channel.
- Stereo monitor output and headphone output channel.
- Provide +48V phantom power for condenser microphone.
- Two kinds of effects processor, digital effects processor and DSP effects processor, provides 16 kinds of effects.
- Built-in Mp3 player, can play the song in the U disk or SD card directly.

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CONTROL PANEL

MONO channel section

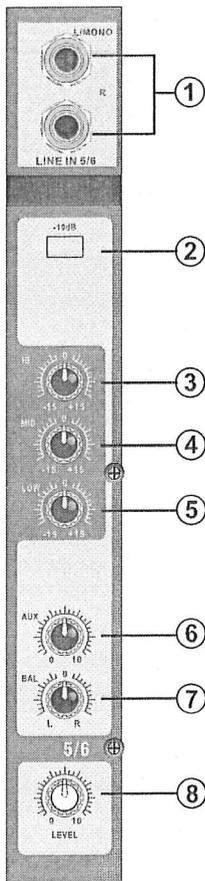


- ① **MIC**
This is balanced MONO microphone input XLR. Input level range: -50dB ~ -20dB. This socket can offer +48V phantom power for condenser microphone when the phantom power switch is turned on.
- ② **LINE**
This is a balanced MONO line input 1/4 JACK. Input level range: -30dB ~ 0dB
- ③ **GAIN**
Use this knob to adjust the level of input signal to optimal level. For the best balance of S/N ratio and dynamic range adjust this knob so that the peak indicator lights occasionally.
- ④ **LOW CUT**
Push down the button to connect a low cut filter.
- ⑤ **HI**
Use the HI control to raise or lower the high frequencies. The max adjustment range: 15KHz \pm 15dB.
- ⑥ **MID**
Use the MID control to raise or lower the middle frequencies. The max adjustment range: 2.5KHz \pm 15dB.
- ⑦ **LOW**
Use the LOW control to raise or lower the low frequencies. The max adjustment range: 80Hz \pm 15dB.
- ⑧ **EFF**
Use the EFF knob to control the signal level sent from each channel to the built-in effects processor. It is set after the channel fader, so it is enslaved to the fader position. Adjust this knob when you use effects processor on this channel.
- ⑨ **AUX**
Use this AUX knob to control the signal level sent from each channel to AUX bus. It is set before the channel fader, so it is not enslaved to the fader position.
- ⑩ **PAN**
The PAN control determines the position of the channel signal in the stereo main mix.
- ⑪ **PEAK**
This LED will warn you when an excessively high signal level is present in the channel. The signal is sampled in front of channel fader. It will light approximately 3dB before clipping and therefore give warning of a possible overload.
- ⑫ **LEVEL**
Use the LEVEL knob to control the output level sent from the input channel to the output channel. Rotate left to the top when the channel is free.

13 +48V Phantom Power Switch and Indicator

This switch is used for turning on/off +48V phantom power. +48V voltage will be present on the socket of each microphone input channel when this switch is pressed down.

NOTICES: rotate off all channel faders before turning on/off this switch; don't plug or unplug microphone after this switch was turned on; don't turn on this switch when a dynamic microphone is in using.

Stereo channel section**1 L/MONO**

These two unbalanced 2-pole phone jacks are used for stereo line input, the rated input level is -10dB. If the signal source is MONO please plug into the left channel socket only (L/MONO).

2 -10dB

Press this button to attenuate the line input signal -10dB to fit the high level signal source.

3 HI

Use the HI control to raise or lower the high frequencies.
The max adjustment range: 15KHz \pm 15dB.

4 MID

Use the MID control to raise or lower the high frequencies.
The max adjustment range: 2.5KHz \pm 15dB.

5 LOW

Use the LOW control to raise or lower the low frequencies.
The max adjustment range: 80Hz \pm 15dB.

6 AUX

Use this AUX knob to control the signal level sent from each channel to AUX bus. It is set before the channel fader, so it is not enslaved to the fader position.

7 BAL

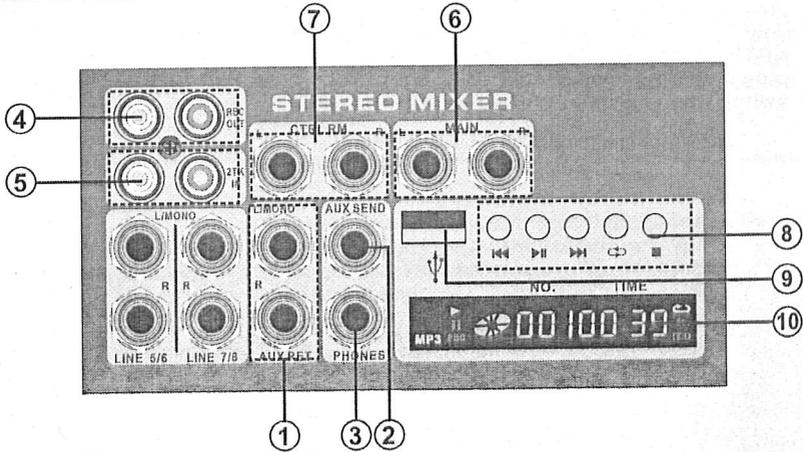
The BAL control for the stereo channels determines the relative volume of the left and right input signals.

8 LEVEL

Use the LEVEL knob to control the output level sent from the input channel to the output channel. Rotate left to the top when the channel is free.

CONTROL PANEL

● Master control section



① AUX RET

These two unbalanced 2-pole phone jacks are used for stereo AUX line input, the rated input level is -10dB. If the signal source is MONO please plugs into the left channel socket only (L/MONO).

② AUX SEND

This jack socket sends the AUX signals.

③ PHONES

This jack socket sends the signals from main output or tape player to the headphone.

④ REC OUT

These two RCA sockets send stereo signals for recording. At the same time, the signal also send to USB interface for recording.

⑤ 2TK RET

These two RCA sockets send stereo signals from a external player to the mixer.

⑥ MAIN

These two jack sockets are the master output of the mixer's left and right channel.

⑦ CTRL RM

These two jack sockets send stereo signals from master output or tape player to the control room speakers.

⑧ USB

This unit has a built-in music player. An U disk which loaded many songs easily can be a good quality line signal source via this port.

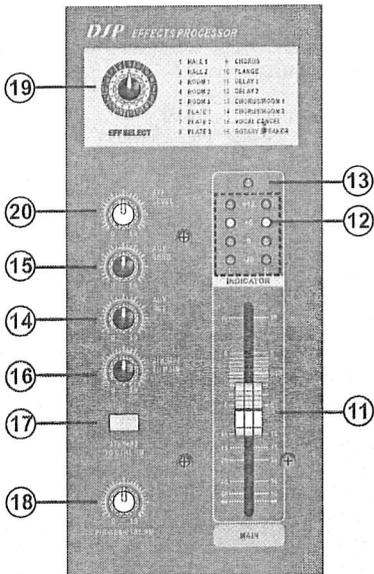
⑨ Controls for built-in player

These keys allows you operate the built-in player.

⑩ Display for built-in player

This LCD display shows all kinds of status of the built-in player.

● Master control section



⑪ **MAIN Output Control**
This slide fader is used for adjusting the final output level sent to the main output sockets.

⑫ **Output Level Meter**
This level meter indicates the signal level of the stereo master output.

⑬ **Power Indicator**
This LED indicates the work status of internal DC power supply.

⑭ **AUX RET**
Use this knob to control the signal level sent from AUX return to the stereo main bus.

⑮ **AUX SEND**
Use this knob to control the signal level sent to the AUX SEND socket.

⑯ **2TK/MP3 TO MIX**
Use this knob to control the input signal from 2TK RET sockets or USB interface and SD card to main stereo bus.

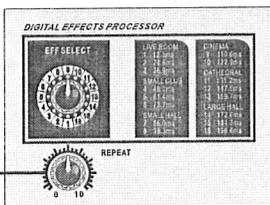
⑰ **2TK/MP3 TO CTRL RM**
Press this button to send the PLAY signals or the signal from USB interface to the control room and headphone; release this button to send the main signals to the control room and headphone.

⑱ **PHONES/CTRL RM**
Use this knob to control the signal level of control room and headphone.

⑲ **EFF SELECT**
Use this knob to select the effects of built-in effects processor.

⑳ **EFF LEVEL**
Use this knob to control the effect signal level sent from built-in effects processor to main stereo channel.

㉑ **REPEAT**
The mixer with built-in digital effects processor has this additional knob. Use this knob to control the times of echo that built-in digital effects processor has made.

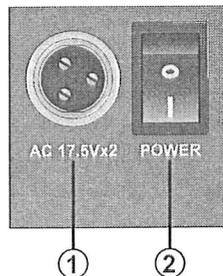


⑲ **REPEAT**
Use this knob to control the times of echo that built-in digital effects processor has made.

● Rear panel section

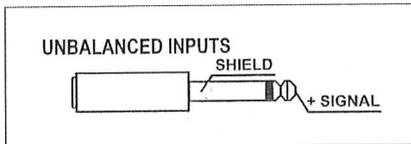
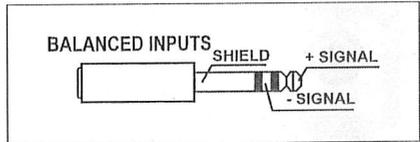
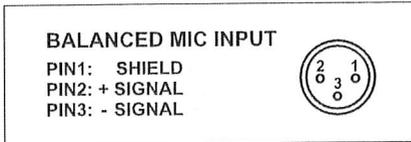
① **17.5Vx2 AC Power Supply Socket**
This AC power supply socket is used for connect the adapter attached(do not use other adapter).

② **AC Power Switch**
Use this switch to turn on/off the AC power.



CONNECTION CABLES/EFFECTS TABLE

● Connection cables

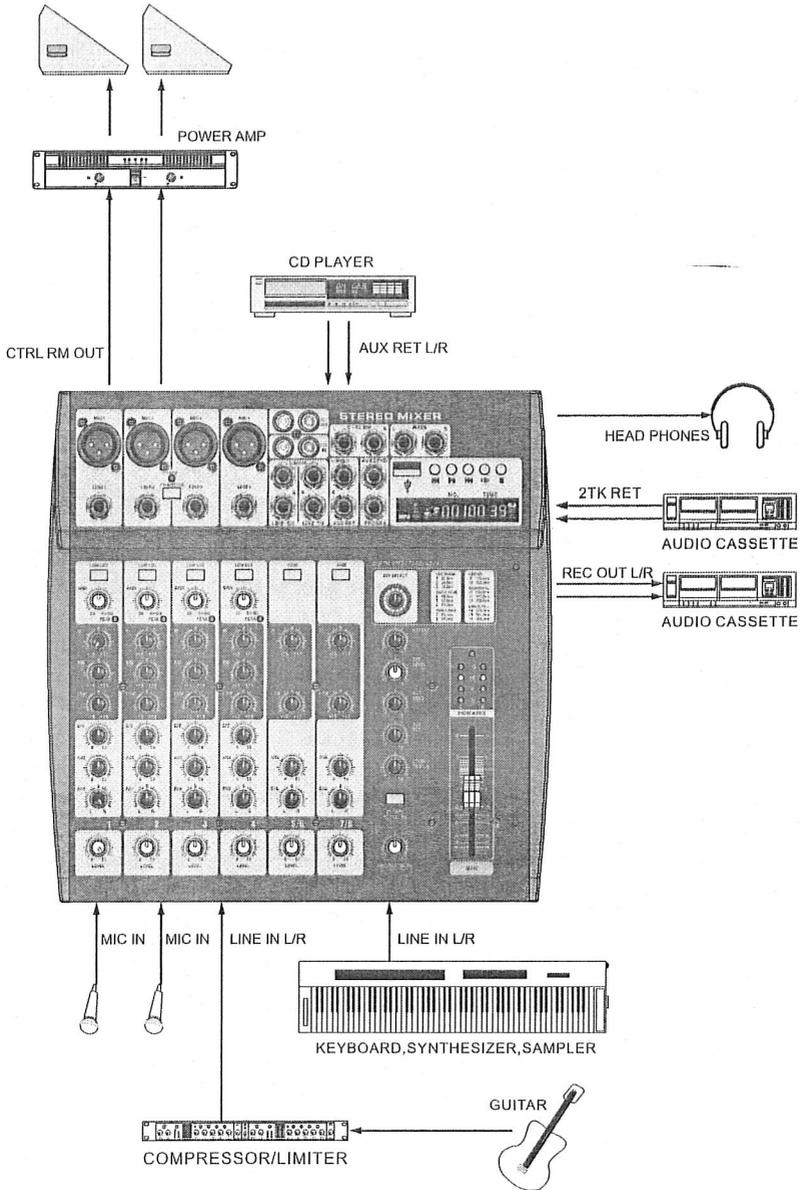


● Effects table

Digital Effects Processor					
1	12.3ms	LIVE ROOM	9	110.6ms	CINEMA
2	24.6ms		10	122.9ms	
3	36.9ms		11	135.2ms	CATHEDRAL
4	49.2ms	SMALL CLUB	12	147.5ms	
5	61.4ms		13	159.7ms	
6	73.7ms	SMALL HALL	14	172.0ms	LARGE HALL
7	86.0ms		15	184.3ms	
8	98.3ms		16	196.6ms	

DSP Effects Processor			
1	HALL 1	9	CHORUS
2	HALL 2	10	FLANGE
3	ROOM 1	11	DELAY 1
4	ROOM 2	12	DELAY 2
5	ROOM 3	13	CHORUS/ROOM 1
6	PLATE 1	14	CHORUS/ROOM 2
7	PLATE 2	15	VOCAL CANCEL
8	PLATE 3	16	ROTARY SPEAKER

APPLICATION EXAMPLE



SPECIFICATIONS

Inputs	Number	Input modes	Connector	Input Impedance	Rated Input level
MONO MIC 6/8 channel	2/4	Balanced	XLR	2Kohm	-50dB
Mono LINE IN	4	Balanced	3-poles TRS	47Kohm	-30dB
Stereo LINE IN	2	Unbalanced	2 TRS	10Kohm	-10dB
Stereo AUX RET	1	Unbalanced	2 TRS	10Kohm	-10dB
Stereo PLAY IN	1	Unbalanced	2 RCA	10Kohm	-10dB

Outputs	Number	Outputs modes	Connector	Outputs Impedance	Rated Output Level and Power
Stereo LINE OUT	1	Unbalanced	2 TRS	75ohm	0dB
Stereo Monitor OUT	1	Unbalanced	2 TRS	75ohm	0dB
AUX SEND	1	Unbalanced	1 TRS	75ohm	0dB
Stereo REC OUT	1	Unbalanced	2 RCA	1Kohm	-10dB
HEADPHONE	1	Unbalanced	3-poles TRS	75ohm	3mW @36ohm

Max gain	Input	Output	Conditions
62dB	MIC IN	MAIN L/R, AUX SEND	@620ohm Load
68dB	MIC IN	CTRL RM OUT L/R	@620ohm Load
52dB	MIC IN	REC OUT	@10Kohm Load
44dB	MONO LINE IN	MAIN OUT L/R	@620ohm Load
22dB	ST LINE IN	MAIN OUT L/R	@620ohm Load
22dB	AUX RET	MAIN OUT L/R	@620ohm Load
19dB	2TK RET	MAIN OUT L/R	@620ohm Load
19dB	2TK RET	CTRL RM OUT L/R	@620ohm Load

Channel EQ	HI 15KHz MID 2.5KHz LOW 80Hz	max equalizing value +/-15dB
Low-cut filter	80Hz	18dB/OCT
Total harmonic distortion	<0.5%	@+14dB 20~20KHz 620ohm load
Frequency response	+1/-2dB @+4dB	20~20KHz 620ohm load
Max out level	+20dB	@0.5%THD 1KHz 620ohm load
Microphone preamp E.I.N	-120dB	@ 150ohm , at max gain
Power supply	AC110V/220V; 120V; 220V; 230V Refer to the nameplate on the adaptor.	
Power consumption	10VA	
Weight	8 channel: 3kg	6 channel: 1.8Kg
Dimension	8 channel: 250 X 60 X 275 mm (W x H x D)	
	6 channel: 176 X 38 X 212 mm (W x H x D)	

SYSTEM BLOCK DIAGRAM

