DAEWOO

DAM-06/ 08/ 12BT

Multi-Functional Analog Mixer with Bluetooth and USB

International Organizaiton for Standardization ISO 9001:2015

RoHS GREEN PRODUCT

DAM-06BT/08BT/12BT, Analog Mixing Console with Bluetooth and USB

Thank you for choosing Daewoo Analog Mixing Consoles (DAM Series)
For more details, please take a few moments to read this operating manual to have a thorough understanding of the function and operation of both transmitter and receiver.

In the box

DAM-06BT

DAM-08BT

DAM-12BT

** Remark: The above specifications are subject to change without prior notice.

Important:

1. Please make sure that power voltage ratings are appropriate, that specified by the mixing console before turning it on.

2. Power Requirements as follows:

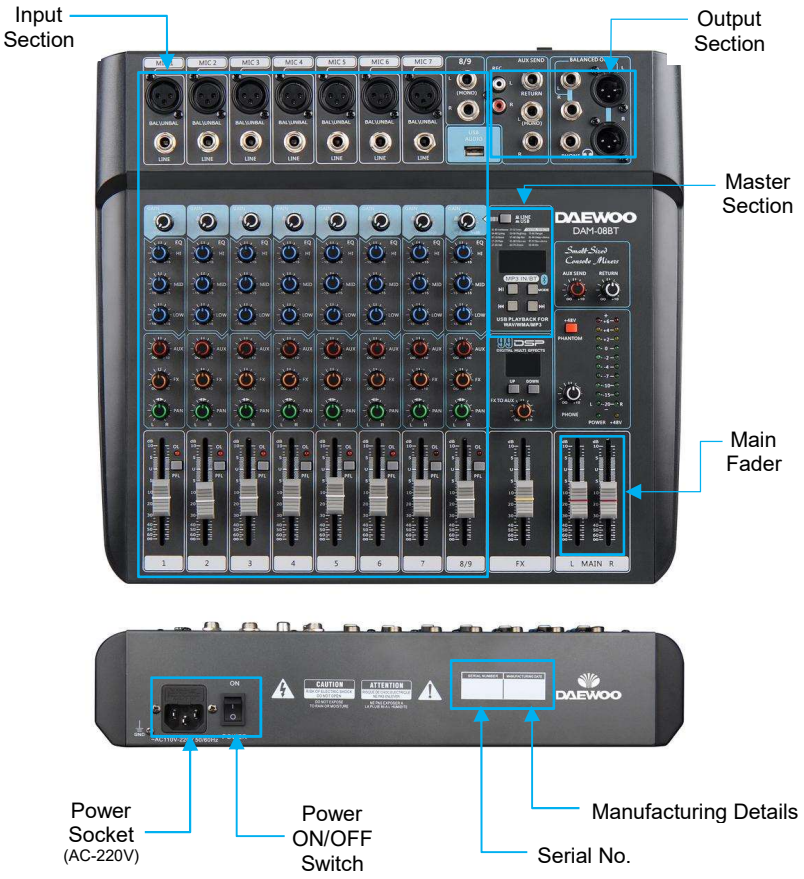
DAM-06BT: AC220V/50Hz, Power Consumption :18W
DAM-08BT: AC220V/50Hz, Power Consumption :20W
DAM-12BT: AC220V/50Hz, Power Consumption :25W

3. Make sure that the console is power switched off, while connecting the audio/signal cables, and set all the knobs at the negligible/ optimal levels to avoid loud blast.

4. Set the positions stated as below to avoid damage of your speaker system or your ears.
Gain control Knob …… Turn to the completely left position
Hi, Mid, Low Knobs …… Turn to the center position
Aux 1 & Effect Control …… Turn to the completely left position
Pan Controls ……Turn to the completely left position
Channel Fader …… Set the position at the minimal

5. Plug the power cord to the mixer, push power switch marked (ON) LEDs will glow, means unit is operational.

Parts and functions



FEATURES & FUNCTIONS OF ANAGALOG MIXERS

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A. INPUT CHANNEL SECTION

1. BALANCE INPUT

Electronically Balanced inputs acceptable a standard XLR male connector.
+48V Phantom Power available on each input Mic socket.
And this switch is on Rear Phantom Power.

2. LINE INPUT

The unbalanced Mic input is provided for the use of a unbalanced mic and is designed to accept a unbalanced high impedance input signal. (This use for connection Deck,Turntable,Keyboard ect.)

3. GAIN CONTROL

Adjusts input sensitivity from –60dB to –20dB with the –20dB pad switch in the out position,and –40dB to 0dB when the –20dB pad switch is pushed.

4. HIGH

Control the high frequency tone of each channel,Always set this control to the 12 0'clock position,but you can control the high frequency tone according to the speaker,the conditions of listening position and listener's taste,Clockwise rotation of the control increases level.

5. MID

This has a function which controls the middle frequency tone of each channel. Always set this control to the 12 o'clock position,but you can control the middle frequency tone allording to the speaker, the conditions of listening position and listener's taste. Clockwise rotation of the control incrases the level, and vice verse.

6. LOW

Control the low frequency tone of each channel.Always set this control to the 12 o'clock position,but you can control the middle frequency tone according to the speaker,the conditions of listening position and listenner's state.Clock wise rotation of the control increase the level.

7. AUX

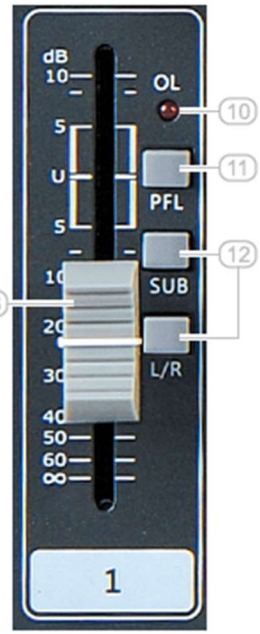
Use this contol to set the level of signal from external stereo souce and the main signal control is recontrolled by STEREO or MONO section.

8.FX

Use this control when you want to get effect sound by adjustment of input signal. when you don't use external souce,digital delay will be working which installed inside.

9.PAN

The pan control sends continuosly variable amounts of the post fader signal to either the left or right main busses. In the certer position equal amounts of signal are sent to the left and right busses.



10. OL(PEAK)

A red LED indicates a signal level at the insert return point,

11.PFL Switch/ PFL LED

You can monitor the signal of the only channel which PFL switch is turned "ON" using by headphone in useful.When PFL switchturned on, other channels ofr cut off automatically.

12.L/R and SUB Button

Press the switch to output the channel signal to the corresponding SUB marshalling or MAIN bus.

- Switch SUB 1–2: assign channel signals to sub1–2 marshalling (bus).
- MAIN switch: allocates channel signals to the MAIN L and R buses.

13.CHANNEL FADER

This is function to adjust the volume of signal connection into each channel and adjust the volume of output, together with master fader. Normal oper–ation is at the "U"mark, providing 4dB of gain above that point, if required.

14.USB

Used to connect to USB flash drive and computer connection.(support computer recording)
Supported :MP3 or WAV/WMA/FLAC or as a USB audio device

15.USB and Stereo Line Switch

Used to switch input signals on usb and Stereo.Trun off the switch (▟) when connecting to USB. Turn on the (▬) switch when the instrument with the output LINE signal is connected to the Stereo Line input jack.

16.FX TO AUX

Sends the signal from FX to AUX.Only the pre–fader signal can be sent.

17.FX FADER

This push can control the semaphore that the adjuster returns to the main channel bus, thus adjusting to the effect volume

18. SUB Fader

This fader controls the level of the marshalling signal, from "off" to "0" unified gain, and then to 10 db the additional gain.

19.MAIN FADER(LEFT/RIGHT)

This is a master fader for adjustment for volume of left/right output.
Unity gainis the top their travel.

20.AUX Send

Controls the overall level of signals emitted from the AUX output.

FX Send

Control the overall level of the signal emitted from the FX output.

21.MAIN / SUB Switch

Under normal state (▬), the sound source signal is sent directly to the main channel.Press (▬) to send the sound source signal to the group channel.

22.CONTROL ROOM Knod

Adjust the signal level output to the Powered speakers.

PHONES Knod

For adjusting the level of the signal output to the [PHONES] jack.

23.OUTPUTS LEVEL INDICATOR

This is level meter which shows output levels of left &right channel condition on the way of operation,therefore,you can see output condition thru this master level indication.

24. PHANTOM(+48V)

Depressing this switch applies 48V DC across all microphone input channels connectorsfor remote powering of condenser microphones.

B. MASTER SECTION

25.DISPLAY / MODE / PROGRAM

A.DISPLAY

1.Function Display
2.Display the running status or bluetooth connection status
3.song time display/song number display
4.effect types
(please refer to the list of effects on the right)

B.MODE

Used to switch① Function,③ Playback,④Effect

C.PROGRAM

Used

① Feature selection
③Play/Pause/Song selection
④ Effect category selection

Rotate the selected track and press Confirm the current selection.

Operational control instructions

A.[PLAY MODE] (touch the key lightly) : Press short: select the operation function of the encoder, and then press in turn Is: mode switch, player operation, effect type switch, white arrow indicates the corresponding function.

B. [PLAY MODE] (touch the key lightly) : Long press:
1. In the recording mode or in the stop recording state, you can enter the mode of playing recording files.
2. In non-recording mode, you can quickly enter the mode of playing recorded files.

C. [PROGRAM] key (encoder key) : short press
1. When the white arrow is on the left (mode switch) and the mode icon is flashing, make sure to switch to the current flashing Display mode.
2.When the white arrow is in the middle (player operation), control to run or pause (including playback and recording)
3.When the white arrow is in the middle (player operation) and the rotary encoder pre-selected play track is valid, confirm to play the current corresponding song.

D. [PROGRAM] (encoder key): long press
1. The white arrow is in the middle (player operation), and the control stops (including playback and recording).
2. The white arrow is in the middle (player operation). When the recording has stopped, you can enter the mode of playing the recording file.
3. The white arrow is in the middle (player operation). In the Bluetooth mode, the current Bluetooth connection can be disconnected.

E. [PROGRAM] encoder
1. The white arrow is on the left (mode switching), the mode is pre-selected, and the corresponding mode icon flashes, in sequence it is U disk/sound card, Bluetooth, recording, sequential play, random play, single loop (short press [PROGRAM] key to confirm switching).
2. The white arrow is in the middle (player operation). When the U disk or SD card is playing, pre-select the play track.
3. The white arrow is in the middle (player operation), when the Bluetooth, sound card, and recording file are playing, switch the previous/next song.
4. The white arrow is on the right (switching effect type) to switch the effect type.

F. When playing the recording file of the USB flash drive, the icons of the USB flash drive and the recording are displayed at the same time for instructions.

C. MIXER OUTPUT SECTION

26.AUX/FX Jack

You use these jacks, for example, to connect to an external effect device or a stage/studio monitoring system. These are impedance–balanced * phone–type output jacks.

27.SUB 1–2

These impedance–balanced 1/4" TRS jacks output the SUB 1–2 signals.Use these jacks to connect to the inputs of a multi–track recorder, external mixer, or similar device.

28.CR OUT（L、R）

These are impedance–balanced 1/4"TRS phone output jacks that you connect to your monitor system. These jacks output the signal before or after the faders for the various buses.

29.PHONES

This is used for monitoring themaster signal and individually monitoring each channel with PFL,L/R&SUB 1–2.

30.BALANCED OUT

Here are two main output interfaces: the convex XLR jacks provide balanced circuit information;The 1/4 " TRS jack provides a balanced or unbalanced signal.Each xlr jack is parallel to its 1/4" trs jack, and the load phase Same signal. This represents the last part of the entire mixing chain, connecting these jacks to you Main power on, active speaker, or a series of effect processors to make your mixing signal real The entity appears.

D . POWER SECTION

31.AC Jack

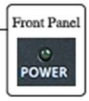
Standard iec power interface, if the power line provided by this mixer, can also use professional video recorder, musical instruments, computer three–hole iec wire connection.

32.POWER Switch

Turns power to the unit on or off. Press the switch to the “I” position to turn on the power. Press the switch to the “O” position to turn off the power.

POWER LED

The indicator on the mixer will light up when the POWER switch is turned on



E. FAULT FINDING GUIDE

Repaining a sound mixing console requires specialist,but basic fault finding is whitin the scope of any user if a few badic rules followed.

- Get to know the block Diagram of your console.
- get to know what each component in the system is supposed to do.
- Learn where to look for common trouble spots.

The Block diagram is a representative sketch of all the components of the console; showing how they connect
together and how the signal flows through the system. Once you have become familiar with the various component have gained a valuable understand of the internal structure of the console and tracking down the problem by elimination.

- Swap input connections to check that the source is really present. Check both Mic and Line inputs.
- Eliminate sections of the channel by using the insert point to re–route the signal to other inputs that are konwn to be working
- Route channels to different outputs or to aux sends to identify problems on the master section.
- Compare a suspect channel with an adjacent channel which had been set up identically.Use PFL to monitor the signal in each section.

F. CAUTIONS ON INSTALLATION

Please take care of the following points for installations.

1.Install this product at place of good ventilation. adn keep a interval over 30cm form the other objects.

2.Install this product at rear side for non–touching of somebody,if possible and avoid an installation of a aisle & the front side of the stage.

3.Cause an obstacle and an drop of product from the vibration of speaker ,if you put this product one speaker for a long time.

4.Avoid strong or using product in condition of excessive heat or cold,or in position where it is likely to be subject to vibration,dust or moisture.

5.Connect the plug into an outlet by the check of power souce "AC220V" of the installation place.

6.Install the speaker more front side than the used mic and for away from mic ,if possible.

7.Insert a plug of cord closely into the speaker jack at the speaker connection.

8.Clean this product by using soft dry cloth & poly–wax.

G. HOW TOOPERATE

1.Above all, it is necessary to confirm power voltage.

2.Make sure this appliance power switch is off when connecting the plug of power cord with outlet.

3.Set easy controls to the positions stated belows to avoid lord blasts. Loud blasts may couse damage for your speaker system or your ears when you are wearing headphone.
Maste faders L–R,Sub faders 1–2,Effect fader & Each channel faders.

Gain control ..... Turn to the left completely
Hi,Mid,Low ..... Turn to the center position
Aux1 & Effect control ..... Turn to the left completely
Pan control ..... Turn to the left completely
Set other turn to the left completely

4.Push power switch marked(1),then the LED will be turned on when start working.

5.Set Master faders L–R to the position between min & mid ,after working.

6.Set a certain Channel faders which you want to use to the position between min & mid .After that, Connect input section with external source.

7.To make sound thur external sources,turn the Gain control to the right.

8.Adjust tone controls in accordance with your taste.

9.Adjust between Effect fader control towards max from min& effect control to the right ,when you want to get echo effect a certain channel.after set a certain channel.adjust delay control & repeat control.Then you can get various echo effect sound.

H. INSTALLATIONS

FIGURE 5

UNBALANCED 1/4" PLUG

FIGURE 5–1

FAMALE 3 PIN CONNECTOR

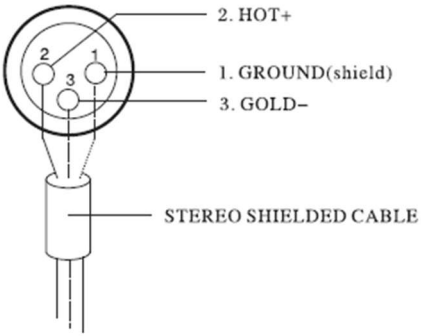
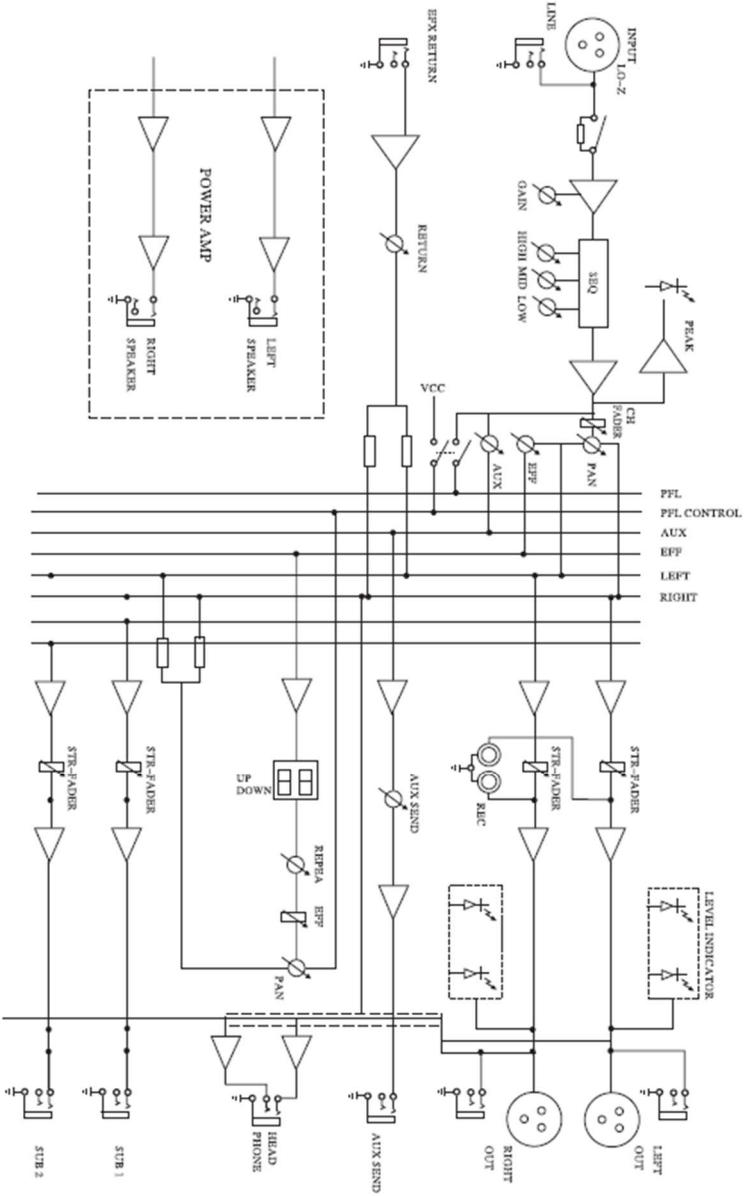


FIGURE 5–2

I. BLOCK DIAGRAM



J. SPECIFICATION

MIXER SECTION

1.INPUT CHANNEL SENSITIVITY	MIC ····· –60dB
	STEREO CH.INPUT ····· –40dB
	EFX SEND ····· –20dB
	EFF,RETURN ····· –20dB
2.OUTPUTS	4V MAIX
3.SIGNAL TO NOISE RATIO	–80dB
4.PARAMETRIC EQ.	HI ····· +15dB/10KHz
	MID ····· +15dB/250Hz~6KHz
	LOW ····· +15dB/60KHz

POWER SECTION

	8 CH	12 CH	16 CH
2.T.H.D	0.01% below(1KHz full Power)	0.01% below(1KHz full Power)	0.01% below(1KHz full Power)
3.POWER REQUIREMENTS	AC 220V/50Hz or 120V/60Hz	AC 220V/50Hz or 120V/60Hz	AC 220V/50Hz or 120V/60Hz
POWER CONSUMPTION	20 W	25 W	25 W

*All prices and specifications subject to change without notice.

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