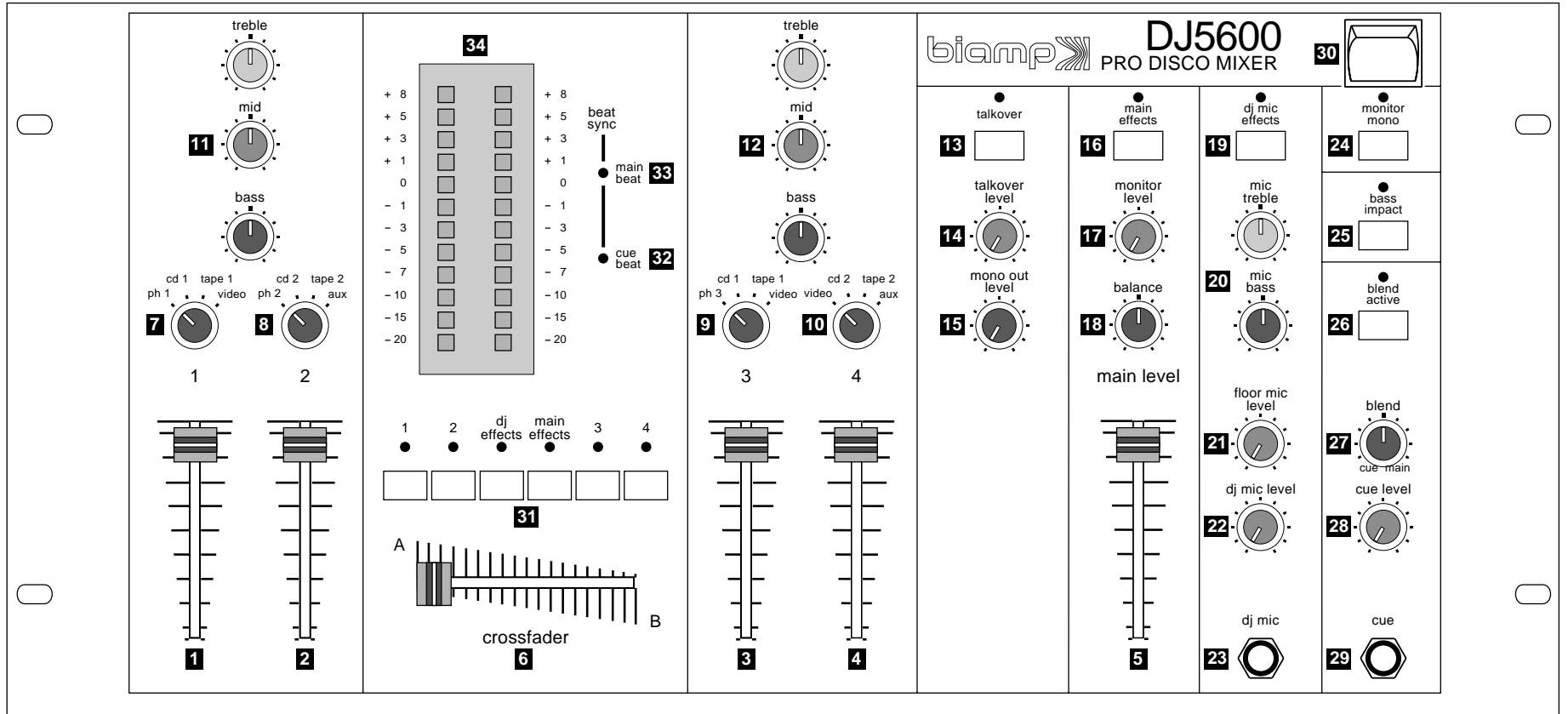


FRONT PANEL DIAGRAM



FRONT PANEL DESCRIPTION

1 Fader 1: This fader controls the level of Channel 1 signal sent to the Crossfader.

2 Fader 1: This fader controls the level of Channel 2 signal sent to the Crossfader.

3 Fader 1: This fader controls the level of Channel 3 signal sent to the Crossfader.

4 Fader 1: This fader controls the level of Channel 4 signal sent to the Crossfader.

5 Main Level Fader: This master fader controls the level of signal sent to the Main Out (left & right) on the rear panel.

6 Crossfader: The Crossfader selects the signals from Channels 1 & 2 or from Channels 3 & 4, and is used to segue smoothly from one input signal to another.

7 Input Assign Switch 1: This switch selects the input for Channel 1. Choices are: Phono1, CD 1, Tape 1, and Video.

8 Input Assign Switch 2: This switch selects the input for Channel 2. Choices are: Phono2, CD 2, Tape 2, and Aux.

9 Input Assign Switch 3: This switch selects the input for Channel 3. Choices are: Phono 3, CD 1, Tape 1, and Video. NOTE: Phono 3 input may be set for line input signal via a rear panel switch.

10 Input Assign Switch 4: This switch selects the input for Channel 4. Choices are: CD 2, Tape 2, Video, and Aux.

11 EQ: These three controls are for equalization of signals in Channels 1 & 2.
Trebles provides ± 8 dB at 7kHz.
Mid provides ± 8 dB at 2.5kHz.
Bass provides ± 8 dB at 85Hz.

12 EQ: These three controls are for equalization of signals in Channels 3 & 4.
Trebles provides ± 8 dB at 7kHz.
Mid provides ± 8 dB at 2.5kHz.
Bass provides ± 8 dB at 85Hz.

13 Talkover: This switch enables the DJ & Floor Mics, adding them to the Main signal, and activates Talkover Level (14).

14 Talkover Level: This control sets the amount of attenuation which is applied to the Main signal when Talkover is selected. The attenuation level is variable from 0dB (clockwise) to -20dB (counter-clockwise).

15 Mono Out Level: This control adjusts the level of signal sent to the Mono Out on the rear panel.

16 Main Effects: This switch selects return signal from the Main Effects Patch jacks as the source for Main signals. When this switch is pressed IN, signals from any external processors will be selected as the Main signals.

17 Monitor Level: This control adjusts the level of signals sent to Monitor Out on the rear panel. Monitor signals are taken pre-Main Level Fader.

18 Balance: This control adjusts the left to right balance of the stereo Main and Monitor signals.

19 DJ Mic Effects: This switch selects return signal from the DJ Effects Patch jack as the source for DJ Mic signal. When this switch is pressed IN, signal from any external processor will be selected as the DJ Mic signal.

20 Mic Treble & Mic Bass: These two controls are for equalization of the DJ Mic and Floor Mic signals.
Trebles provides ± 8 dB at 10kHz.
Bass provides ± 10 dB at 80Hz.

21 Floor Mic Level: This control adjusts the level of signal from the Floor Mic In jack on the rear panel. This signal and the DJ Mic signal are combined and sent to the Talkover switch.

22 DJ Mic Level: This control adjusts the level of signal from the DJ Mic In jack on the rear panel. This signal and the Floor Mic signal are combined and sent to the Talkover switch.

23 DJ Mic: This 2-conductor 1/4" phone jack provides a front panel input for an unbalanced high-impedance microphone.

24 Monitor Mono: This switch creates a mono (L+R) version of the stereo Monitor signal. When this switch is pressed IN, mono Monitor signal is sent to both left & right Monitor Out jacks on the rear panel.

25 Bass Impact: This switch activates an internal low-frequency expander. When this switch is pressed IN, low-frequency signals are expanded, adding intensity to the bass signals. Brightness of the Bass Impact indicator will vary with the amount of low-frequency expansion which occurs.

26 Blend Active: This switch provides a choice of how the Main & Cue signals are monitored in the Cue headphones. When the Blend Active switch is OUT, a mono (L+R) version of the Main signal is heard in the left headphone, while the mono Cue signal is heard in the right headphone. When the Blend Active switch is IN, the Blend control (27) is activated.

27 Blend: This control adjusts the blend of Main & Cue signals heard in the headphones, when the Blend Active switch is IN. With the Blend control turned fully clockwise, only the stereo Main signal is heard in the headphones. With the Blend control fully counter-clockwise, only the mono Cue signal is heard in both headphones. With the Blend control centered, a combination of stereo Main and mono Cue signals is heard. This control has no affect unless the Blend Active switch is IN.

28 Cue Level: This control adjusts the level of signals at the Cue output (29).

29 Cue: This 3-conductor 1/4" phone jack is for monitoring Cue signals, using 600 ohm stereo headphones. NOTE: Do not use mono headphones or headphones with impedances less than 600 ohms. This output can also be used to drive line level inputs of amplifiers or tape decks.

30 Power Switch: This switch controls the AC power to the mixer.

31 Cue Switches: These six lock-out switches allow only one Cue signal to be selected at a time. The choices are: Channel 1, Channel 2, DJ Effects, Main Effects, Channel 3, and Channel 4. All channel signals are pre-fader. DJ Effects and Main Effects signals are from the return path of the respective rear panel patch jacks. All Cue signals are mono.

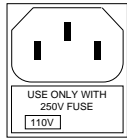
32 Cue Beat Sync: This indicator flashes in unison with the low-frequency beat of the selected Cue signal.

33 Main Beat Sync: This indicator flashes in unison with the low-frequency beat of the pre-Main Level Fader signal.

34 Level Meter: These 12-segment LED display indicates levels at the left & right Main Outs on the rear panel. The "0" indicators are referenced to +4dBu output.

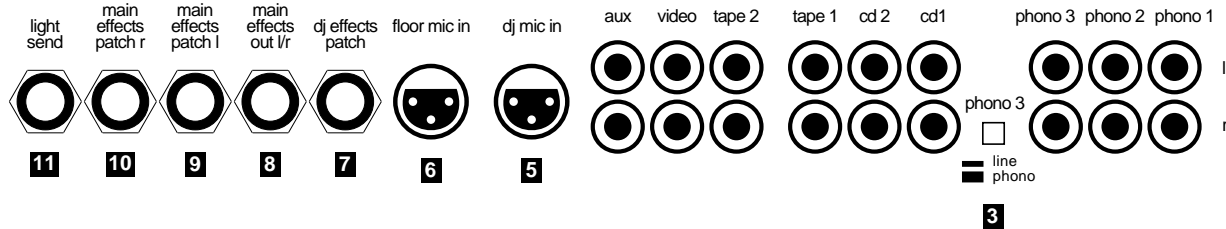
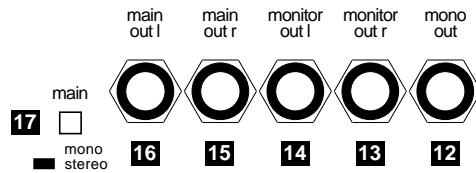
REAR PANEL DIAGRAM

CAUTION: To prevent electric shock or fire do not expose this appliance to rain or moisture. Do not remove top or bottom cover. No user serviceable parts inside. Refer servicing to qualified service personnel. For continued protection against risk of fire replace only with same type fuse.



18

115V:
.25A SB Fuse
230V:
.125A SB Fuse
115/230 VAC
50/60 Hz
20W max.



BIAMP SYSTEMS
Portland, Oregon
An Affiliate Of Rauland-Borg Corp



REAR PANEL DESCRIPTION

1 Phono Inputs: These three pair of RCA connectors are for stereo input directly from turntables. Input impedance is 47k ohms in parallel with 150pf. To convert Phono 3 to line level input, press the Phono 3 switch (3) IN.

2 Phono Ground: This binding post provides a grounding point for turntables and tone arms which have a separate ground lead. Failure to properly ground turntables or tone arms can result in excessive hum and noise.

3 Phono 3: This switch selects the input sensitivity and impedance of the Phono 3 input. With the Phono 3 switch OUT, the input accepts signals from turntables. With the Phono 3 switch IN, the input accepts line-level (-10dBu) signals. This input has 6dB less gain than the other line inputs, and will provide greater headroom for hot input signals.

4 Line Inputs: These six pair of RCA connectors are for stereo input from line level devices such as CD players, tape decks, etc. The inputs have been labelled for a typical system. However, since all of the line inputs are identical electronically, any line-level source can be connected to any of the line inputs.

5 DJ Mic In: This 3-pin XLR connector is for input from a balanced low-impedance microphone. It is wired to the DIN standard, with Pin 2 high (+), Pin 3 low (-), and Pin 1 shield (ground).

6 Floor Mic In: This 3-pin XLR connector is for input from a balanced low-impedance microphone. It is wired to the DIN standard, with Pin 2 high (+), Pin 3 low (-), and Pin 1 shield (ground).

7 DJ Effects Patch: This 3-conductor 1/4" phone jack provides an insert point for an external effects processor. It is wired with Tip output (send), Ring input (return), and Sleeve common (ground). When the DJ Mic Effects switch on the front panel is IN, the return signal from DJ Effects Patch is used as the DJ Mic signal.

8 Main Effects Out L/R: This 3-conductor 1/4" phone jack provides a stereo pre-Main Level Fader output for driving effects devices, tape recorders, etc. It is wired with Tip left, Ring right, and Sleeve common ground.

9 Main Effects Patch L: This 3-conductor 1/4" phone jack provides an insert point for external processing of the left Main signal. It is wired with Tip output (send), Ring input (return), and Sleeve common (ground). When the Main Effects switch on the front panel is IN, the return signal from Main Effects Patch L is used as the left Main signal.

10 Main Effects Patch R: This 3-conductor 1/4" phone jack provides an insert point for external processing of the right Main signal. It is wired with Tip output (send), Ring input (return), and Sleeve common (ground). When the Main Effects switch on the front panel is IN, the return signal from Main Effects Patch R is used as the right Main signal.

11 Light Send: This 2-conductor 1/4" phone jack provides a mono (L+R) version of the post-Main Level Fader signals, for driving lighting controllers. Light Send is an unbalanced line-level output, which is transformer isolated to eliminate any hum inducing system ground loops.

12 Mono Out: This 3-conductor 1/4" phone jack provides a mono (L+R) version of the pre-Main Level Fader signals, for driving mono sound systems. Mono Out is a balanced output wired with Tip high (+), Ring low (-), and Sleeve common (ground). The output level is adjusted via the front panel Mono Out Level control.

13 Monitor Out R: This 3-conductor 1/4" phone jack provides a right Main signal, which is taken pre-Main Level Fader. Monitor Out R is a balanced output wired with Tip high (+), Ring low (-), and Sleeve common (ground). The output level is adjusted via the front panel Monitor Level control.

14 Monitor Out L: This 3-conductor 1/4" phone jack provides a left Main signal, which is taken pre-Main Level Fader. Monitor Out L is a balanced output wired with Tip high (+), Ring low (-), and Sleeve common (ground). The output level is adjusted via the front panel Monitor Level control.

15 Main Out R: This 3-conductor 1/4" phone jack provides the right Main output signal. Main Out R is a balanced output wired with Tip high (+), Ring low (-), and Sleeve common (ground). The output level is adjusted via the front panel Main Level Fader.

16 Main Out L: This 3-conductor 1/4" phone jack provides the left Main output signal. Main Out L is a balanced output wired with Tip high (+), Ring low (-), and Sleeve common (ground). The output level is adjusted via the front panel Main Level Fader.

17 Main Mono/Stereo: This switch creates a mono (L+R) version of the stereo Main signal. When this switch is pressed IN, mono Main signal is sent to both the Main Out R and Main Out L jacks.

18 Power Entrance: This receptacle accepts the detachable AC Power Cord. The AC Power Cord is for connection to three-prong grounded AC outlets. *CAUTION: Do not remove or defeat the ground prong on the AC Power Cord, as this constitutes a shock hazard.* The Fuse Clip may be removed by first detaching the AC Power Cord, then prying the Fuse Clip out from above, using a flat-blade screwdriver in the notch provided. The Fuse Clip contains both the standard fuse and an alternate fuse. The standard fuse is held in the clip, and becomes the actual AC fuse when the Fuse Clip is installed. Replace the standard fuse only with the same value and type (1/4A SB for 110 VAC operation or 1/8A SB for 240 VAC operation). The alternate fuse, held in a drawer inside the Fuse Clip, is provided only for use at the alternate operational voltage setting. If it is necessary to change the operational voltage, first slide the voltage selector out of the left side of the Fuse Clip. Turn the voltage selector over, and slide it back into the Fuse Clip, making sure the desired voltage selection is visible through the voltage window. Then change the standard fuse value (1/4A SB for "110V" or 1/8A SB for "240V"), before re-installing the Fuse Clip.