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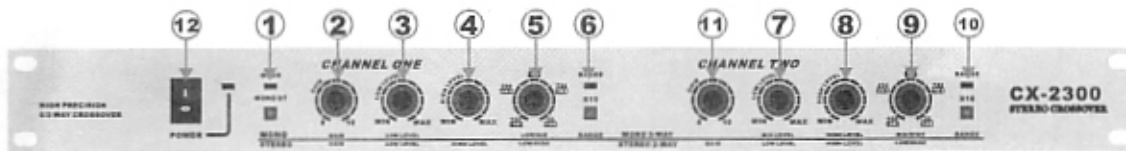


X23

**Precision Crossover
Stereo 2-way
Mono 3-way**

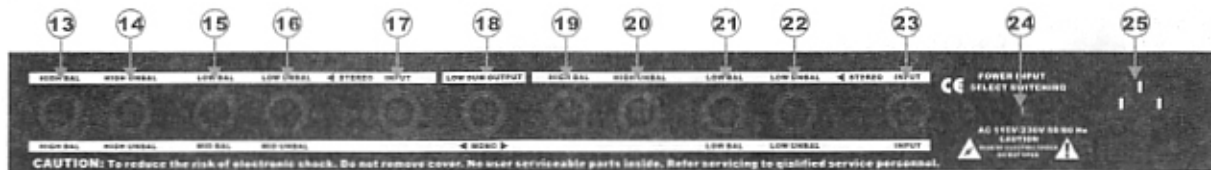
Owner's Manual

ELECTRONIC CROSSOVER



- 1 MODE BUTTON.**
In stereo 2-way and mono 3-way select switch.
- 2 INPUT CONTROL.(STEREO/MONO)**
This control adjusts the input **GAIN**.
- 3 LOW LEVEL/LOW LEVEL OUTPUT CONTROL.(STEREO/MONO)**
Control the output level of **LOW** band.
- 4 HIGH LEVEL OUTPUT CONTROL.(STEREO)**
Control the output level of **HIGH** band.
- 5 LOW/HIGH,LOW/MID X-OVER FREQUENCY CONTROL.(STEREO/MONO)**
This control governs the crossover frequency between the **LOW/HIGH** and **LOW/MID** bands.
When the **x-over frequency** button on the rear of the unit is pressed, the frequency range is multiplied by the factor 10.
- 6 AND 10 X-OVER FREQUENCY BUTTON.**
This button serves to switch over the control range of the frontpanel **LOW/HIGH** x-over frequency control from 100Hz to 1KHz or 1KHz to 10KHz.
- 7 LOW LEVEL/MID LEVEL OUTPUT CONTROL.(STEREO/MONO)**
Control the output level of **LOW /MID** band.
- 8 HIGH LEVEL/HIGH LEVEL OUTPUT CONTROL.(STEREO/MONO)**
Control the output level of **HIGH/HIGH** band.
- 9 LOW/HIGH,MID/HIGH X-OVER FREQUENCY CONTROL.(STEREO/MONO)**
This control governs the crossover frequency between the **LOW/HIGH** and **MID/HIGH** bands.
When the **x-over frequency** button on the rear of the unit is pressed, the frequency range is multiplied by the factor 10.
- 11 INPUT CONTROL.(STEREO)**
This control adjusts the input **GAIN**.
- 12 POWER SWITCH**

ELECTRONIC CROSSOVER



- 13 HIGH BAL OUTPUT.(STEREO/MONO)**
In stereo 2-way and mono 3-way output
- 14 HIGH UNBAL OUTPUT.(STEREO/MONO)**
In stereo 2-way and mono 3-way output
- 15 LOW BAL/MID BAL OUTPUT.(STEREO/MONO)**
In stereo 2-way and mono 3-way output
- 16 LOW UNBAL/MID UNBAL OUTPUT.(STEREO/MONO)**
In stereo 2-way and mono 3-way output
- 17 STEREO INPUT.**
In stereo 2-way channel 2 input
- 18 LOW SUM OUTPUT.(MONO)**
- 19 HIGH BAL OUTPUT.(STEREO)**
In stereo 2-way channel 1 high balanced output
- 20 HIGH UNBAL OUTPUT.(STEREO)**
In stereo 2-way channel 1 high unbalanced output
- 21 LOW BAL/LOW BAL OUTPUT.(STEREO/MONO)**
In stereo 2-way or 3-way low balanced output
- 22 LOW UNBAL/LOW UNBAL OUTPUT.(STEREO/MONO)**
In stereo 2-way or 3-way low unbalanced output
- 23 STEREO/MONO INPUT.**
In stereo 2-way or mono 3-way input
- 24 POWER INPUT SELECT SWITCH.**
The input AC 115V and 230V voltage selector.
- 25 POWER INPUT JACKS.**
input frequency: 50Hz/60Hz

PERFORMANCE**Bandwidth** 20Hz to 20KHz, +0,-0.5 dB**Frequency Response** 20 Hz to 20 KHz**Signal to Noise** +4dBu, 20 Hz to 20 KHz

	Stereo Mode:	Mono Mode:
Low output	>93 dBu	>93 dBu
Mid output		>95 dBu
High output	>90 dBu	>88 dBu
THD	20Hz to 20KHz	<0.5%

CROSSOVER**Filter Type** 24 dB/Octave

Stereo Mode Frequency	X1	X10
Low/High	100Hz to 1KHz	1KHz to 10KHz
Mono Mode Frequency	X1	X10
Low/High	100Hz to 1KHz	1KHz to 10KHz
Low/Mid	100Hz to 1KHz	1KHz to 10KHz
Mid/High	100Hz to 1KHz	1KHz to 10KHz
Low sum	100Hz to 1KHz	

MODE 2/3 X-OVER FREQUENCY