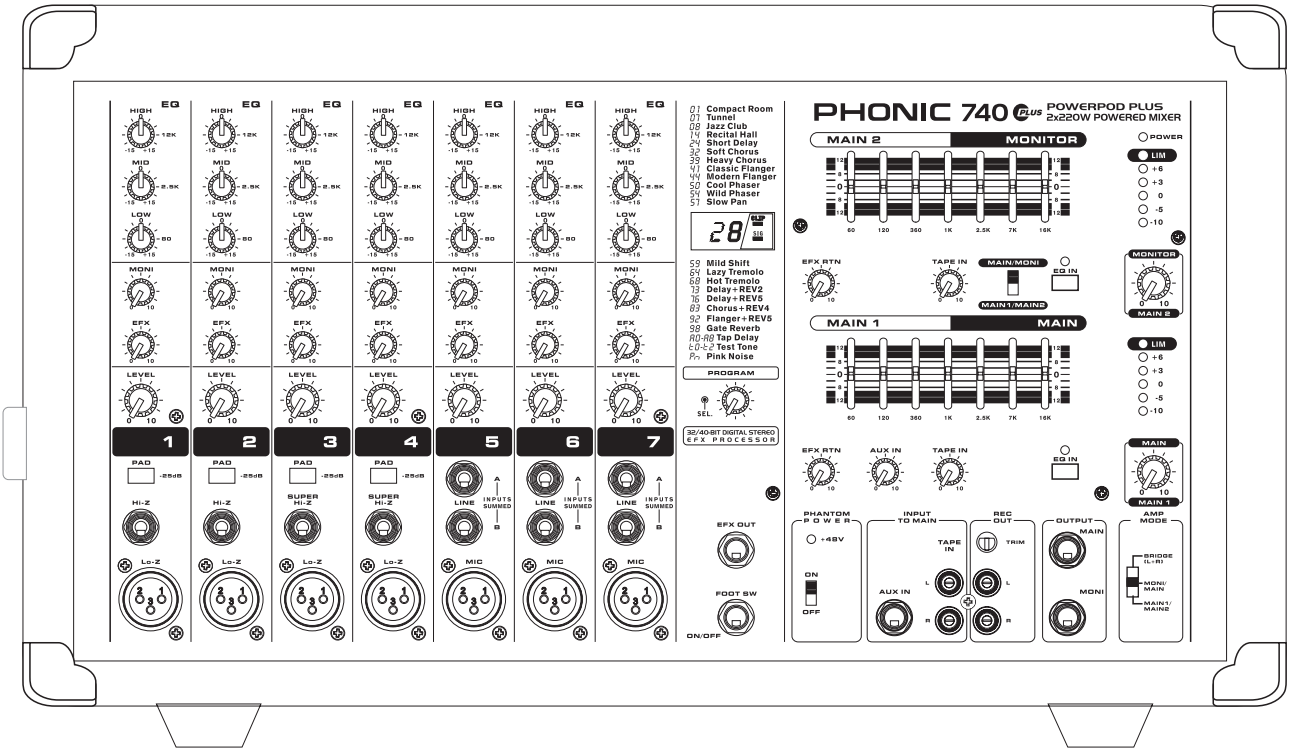
PHONIC

POWERPOD 620 PLUS

POWERPOD 740 PLUS

POWERED MIXERS



English

User's Manual

IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

Warning: the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED PERSONNEL

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

POWER 620 PLUS
POWER 740 PLUS

POWERED MIXERS

USER'S MANUAL

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V1.0 JAN 30, 2007

INTRODUCTION

Phonic Corp would like to congratulate you on the purchase of one of their extraordinary Powerpod Mixers, powered mixers that provide more than the average. Since its introduction, the entire Powerpod series has given other powered mixer lines a run for their money. With fantastically low noise levels, high signal handling abilities, extraordinary output levels, simplified signal routing abilities, and ultra-smooth controls, the Powerpods 620 and 740 Plus both provide a level of dependability not often found in powered mixers as of late.

We know how eager you are to get started – getting the mixer out and hooking all your gear up is probably your number one priority right now – but before you do, we strongly urge you to take a look through this manual. Inside, you will find important facts and figures on the set up, use and applications of your brand new mixer. If you do happen to be one of the many people who flatly refuse to read user manuals, then we just urge you to at least glance at the Instant Setup section. After glancing at or reading through the manual (we applaud you if you do read the entire manual), please store it in a place that is easy for you to find, because chances are there's something you missed the first time around.

FEATURES

POWERPOD 620 Plus

- 120W + 120W / 4 ohms amplifier for main 1 / main 2 or main / monitor (Bridge mono, 240W / 8 ohms)
- 32/40-bit digital stereo multi-effect processor with 100 programs plus foot switch
- Stereo 7-band graphic equalizers
- 6 balanced mic inputs through XLR jacks
- 8 line inputs through 1/4" jacks
- 2 Super Hi-Z inputs optimized for direct input of acoustic guitars and electric guitars or basses
- 2 built-in limiters
- 2-band channel EQ
- Pad control on channel 1~4
- Monitor and effect sends on each input channel
- 1 Aux input
- +48V phantom power
- Record outputwith trim control for recording level matching
- Mains power switchable between 115VAC and 230VAC

POWERPOD 740 Plus

- 200W + 200W / 4 ohms amplifier for main L & R or main / monitor (Bridge mono, 440W / 8 ohms)
- 32/40-bit digital stereo multi-effect processor with 100 programs plus foot switch
- Dual 7-band graphic equalizers with In/Out switches for main(stereo)/monitor or main L/R
- 7 balanced mic inputs through XLR jacks
- 10 line inputs through 1/4" jacks
- 2 Super Hi-Z inputs optimized for direct input of acoustic guitars and electric guitars or basses
- 2 built-in limiters
- 3-band channel EQ
- Pad control on channel 1~4
- Monitor and effect sends on each input channel
- 1 Aux input
- +48V phantom power
- Record output with trim control for recording level matching
- Mains power switchable between 115VAC and 230VAC

BASIC SETUP

Getting Started

1. Turn all power off on the Powerpod Mixer. To ensure this, the AC cable should not be connected to the unit.

2. All faders and level controls should be set at the lowest level to ensure no sound is inadvertently sent through the outputs when the device is switched on. All levels should be altered to acceptable degrees after the device is turned on.

3. Plug all necessary instruments and equipment into the device's various inputs as required. This may include line signal devices, as well as microphones and/or guitars, keyboards, etc.

4. Plug any necessary equipment into the device's various outputs. This could include speakers, monitors, signal processors, and/or recording devices.

NB. No devices other than speakers should be connected to the power amp outputs. Plugging inappropriate devices into the mixer will likely cause damage to the device. Also, guitar cables should not be used to connect amplifiers to speakers.

5. Plug the supplied AC cable into the AC inlet on the back of the device, ensuring local voltage level is identical to that required on your device.

6. Plug the supplied AC cable into a power outlet of a suitable voltage.

7. Turn the power switch on.

Channel Setup

1. To ensure the correct audio levels of each input channel is selected, every channel should first be switched off and all faders set to 0.

2. Choose the channel that you wish to set the level of, and ensure that channel has a signal sent to it similar to the signal that will be sent when in common use. For example, if the channel is using a microphone, then you should speak or sing at the same level the performer normally would during a performance. If a guitar is plugged into that channel, then the guitar should also be used as it normally would be.

NB. It is probably best to have nothing plugged into channels which are not being set, just to ensure no signal is inadvertently sent through the channel.

3. Set the gain so the level meter indicates the audio level is around 0 dB.

4. This channel is now ready to be used; you can stop making the audio signal.

5. You should now select the next channel to set and go back to follow steps 1 through 4.

MAKING CONNECTIONS

Channel Inputs

The Powerpod 620 and 740 Plus Mixers supply various numbers input channels. The 620 Plus features a total of 6 channels, 2 of which accept stereo signals. The 740 Plus, on the other hand, features a total of 7 input channels, 3 of which accept stereo signals. Each channel features a microphone XLR jack and at least one 1/4" Phone Jack for balanced and unbalanced connections. Each stereo channel features different inputs jacks, accepting either microphone inputs or stereo line inputs.

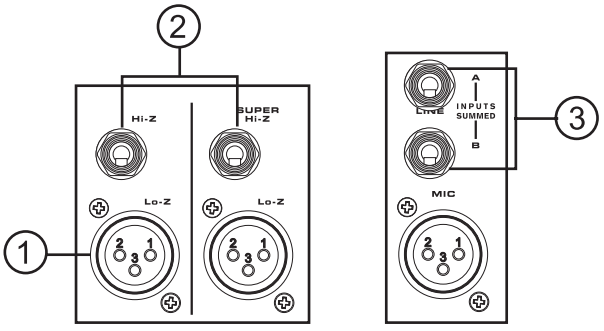
1. **XLR Lo-Z Inputs**
   These combo jacks accept XLR microphone inputs. They can be used in conjunction with microphones such as professional condenser, dynamic or ribbon microphones with standard XLR male connectors. With low noise preamplifiers, these inputs serve for crystal clear sound replication.

NB. When using an unbalanced microphone, please ensure phantom power is switched off. However, when using condenser microphones the phantom power of the corresponding channel should be activated.

2. **1/4" Hi-Z and Super Hi-Z Input Jacks**
   These inputs accept typical 1/4" TRS or TS unbalanced inputs. The Hi-Z inputs accept balanced TRS inputs, and are for line-level devices with fairly low impedance (such as synthesizers and drum machines), where the Super Hi-Z inputs accept TS unbalanced sources, and can be used in conjunction with devices with higher impedance levels (including electric guitars and basses).

NB. When using a line-level device on your mixer, the PAD -25 button should be engaged.

3. **Stereo Channel Inputs**
   The Powerpod 740 Plus Powered Mixers provide 3 stereo input channels, and the Powerpod 620 Plus features 2 – the inputs of which differ slightly to the mono channels. The 3-pin XLR inputs featured are for the addition of microphones with typical XLR male inputs, where the 2 Line 1/4" TS jacks are for the addition of various stereo line level input devices, such as keyboards. If you wish to use a monaural device on a stereo return input, simply plug the device's 1/4" phone jack into the left (mono) stereo input and leave the right input bare. The signal will be duplicated to the right.

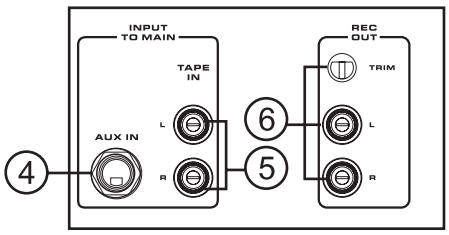


Master Section

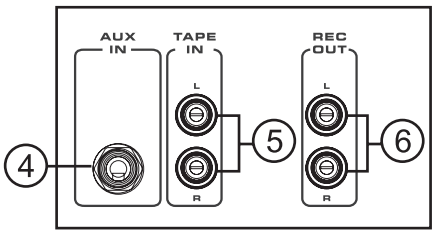
4. **AUX Inputs**
   This TS input connects the mixer with parallel external devices, such as sub mixers or external effect processors, receiving the processed signal from another source and feeding it to the AUX mix.

5. **Tape In (L and R)**
   The first of these inputs accommodates RCA cables from such devices as tape and CD players. This allows for the inclusion of such devices as CD and MP3 players, as well as laptop computers, to the mixer. The line from this feed is directed to the Tape In mix, before being fed through to the Main L/R mixing bus.

6. **Record Outputs (L and R)**
   As with the Tape In ports, these outputs will accommodate RCA cables, able to be fed the Main signal to a variety of recording devices. The Powerpod 740 Plus also includes a useful trim control, allowing for easy level matching when recording.



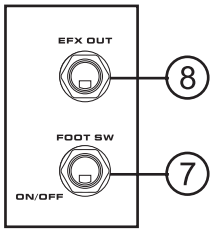
POWERPOD 740 PLUS



POWERPOD 620 PLUS

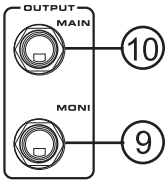
7. **Foot Switch Jacks**
   The foot switch jack allows the user to remotely turn the digital effects on and off.

8. **EFX (Effect) Outputs**
   These 1/4" TS outputs are the final output from the EFX send mixing bus. This feed may be used to connect to an external digital effect processor, or even to an amplifier and speakers, depending on your desired settings.



9. **Monitor Outputs**
   These 1/4" TS outputs are the final output from the Monitor send mixing bus. This feed may be used to connect to an amplifier and speaker. Feeding the output from the Monitor out to an amplifier (and possibly an equalizer) and then to a floor monitor speaker allows artists to monitor their own instruments or vocals whilst performing, or an engineer to monitor the mix.

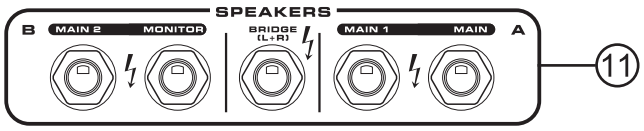
10. **Main Outputs**
    This output will send the final stereo line level signal from the main mix. The primary purpose of these jacks is to send the Main signal to external devices that may run in parallel with the mixer. This may include additional power amplifiers, other mixers, PA systems, as well as a wide range of other possible signal processors.



Rear Panel

11. **Speaker Outputs**
    These jacks are used to connect to speakers, fed from the internal power amp. Both the Powerpod 620 and 740 Plus feature 1/4" phone jacks. The Amp Select switch determines the operation of these jacks. If the Amp Select switch is set to "Moni / Main" or "Main 1 / Main 2" a single speaker with a 4 to 8 ohm load can be connected to jack A on both the Main 1 and Main 2 speaker outputs, or two speakers with a load between 8 and 16 ohms can be connected to both jacks A and B. When using Bridge Mono mode, use the speaker output labeled "(L+R) Bridge" only to connect a speaker with a loading between 8 and 16 ohms. Refer to the Speaker set up chart to the right for more detailed Indication of how to connect speakers.

NB. Due to the fact that the signal has been processed by the power amp, these ports should be used in conjunction with passive speakers only to avoid damaging any other equipment.



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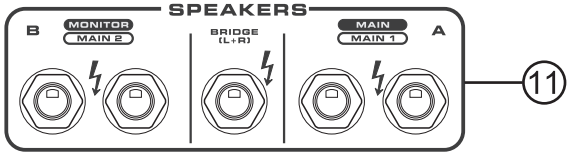
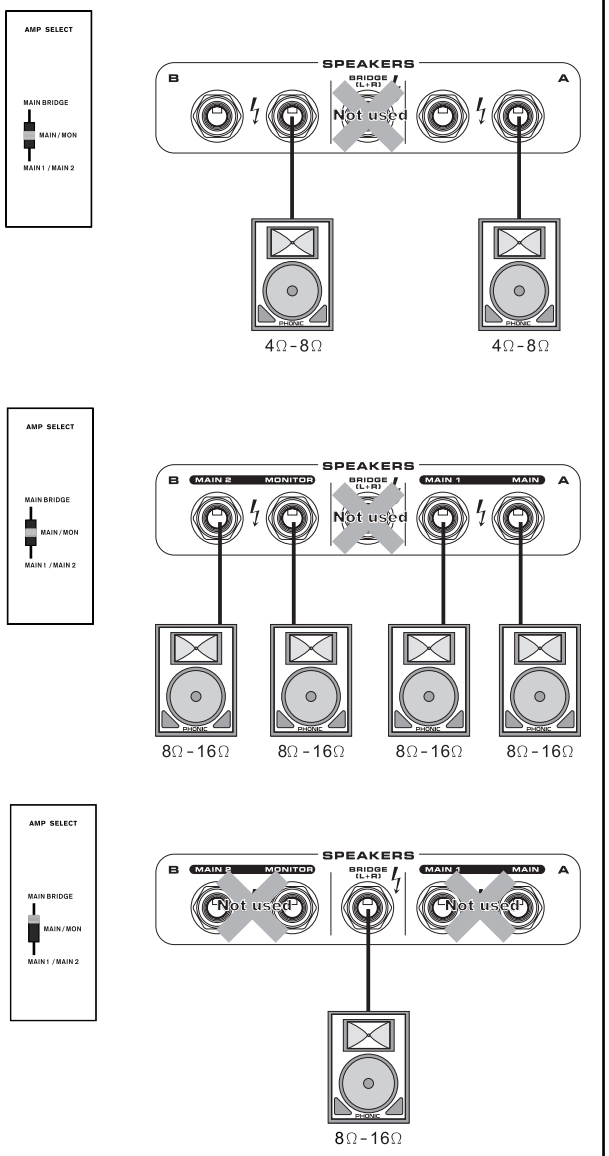


POWERPOD 620 PLUS

Speaker Set Up



Using speakers with an incorrect loading can not only cause distortion, but also irreversible damage to the powered mixer. Please ensure the loadings of your speakers are consistent with those shown above.

CONTROLS AND SETTINGS

Channel Controls

12. **HF (High Frequency) Control**
    This control is used to give a shelving boost or cut of ±15 dB to high frequency (12 kHz) sounds. This will adjust the amount of treble included in the audio of the channel, adding strength and crispness to sounds such as guitars, cymbals, and synthesizers.

13. **MF (Middle Frequency) Control (Powerpod 740 Plus only)**
    This control is used to provide a peaking style of boost and cut to the level of middle frequency sounds at a range of ±15 dB. Changing middle frequencies of an audio feed can be rather difficult when used in a professional audio mix, as it is usually more desirable to cut middle frequency sounds rather than boost them, soothing overly harsh vocal and instrument sounds in the audio.

14. **LF (Low Frequency) Control**
    This control is used to give a shelving boost or cut of ±15 dB to low frequency (80 Hz) sounds. This will adjust the amount of bass included in the audio of the channel, and bring more warmth and punch to drums and bass guitars.

15. **MONI (Monitor) Level Control**
    This control alters the signal level that is being sent to the Monitor mixing buses, the signal of which is suitable for connecting stage monitors, allowing artists to listen to the music that is being playing.

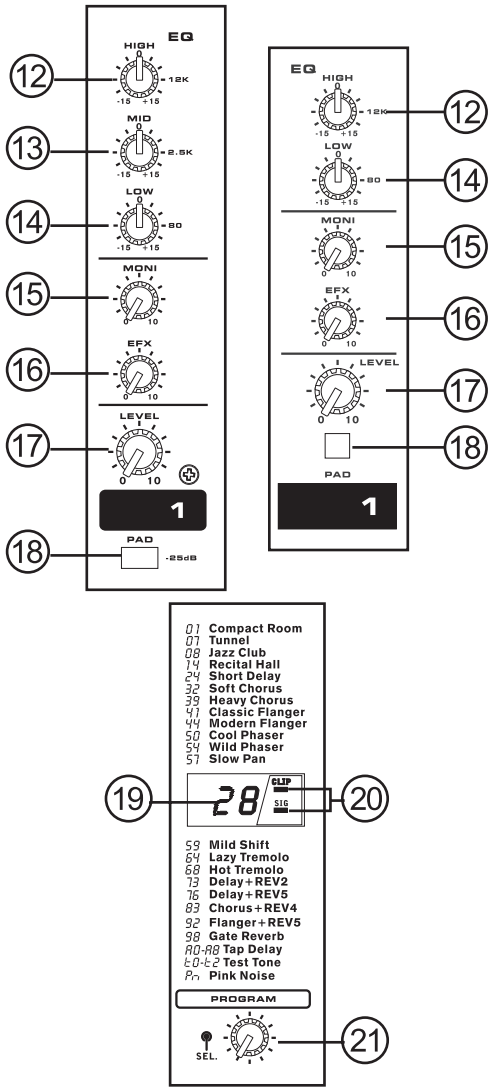
16. **EFX (Effect) Level Control**
    This control alters the signal level that is sent to the EFX output, which can be used in conjunction with external signal processors (this signal of which can be returned to mixer via the stereo return inputs), or simply as additional auxiliary outputs for any means required. These controls also adjust the level of audio that is sent to the built-in digital effect panel.

17. **Channel Level Control**
    This control will alter the signal level that is sent from the corresponding channel to the Main mixing bus.

18. **PAD -25 Button**
    The PAD -25 button (located above the 1/4" Phone Jack of mono channels) is used to attenuate the input signal by 26 dB. This should only be pushed in when using line-level input devices.

Digital Effect Processor

19. Digital Effect Display
This 2-digital numeric display shows the program number that is currently applied to your EFX audio signal. When you rotate the Program control, you can scroll through different program numbers; however the display will revert back to the original program if a new program is not selected within a few seconds.

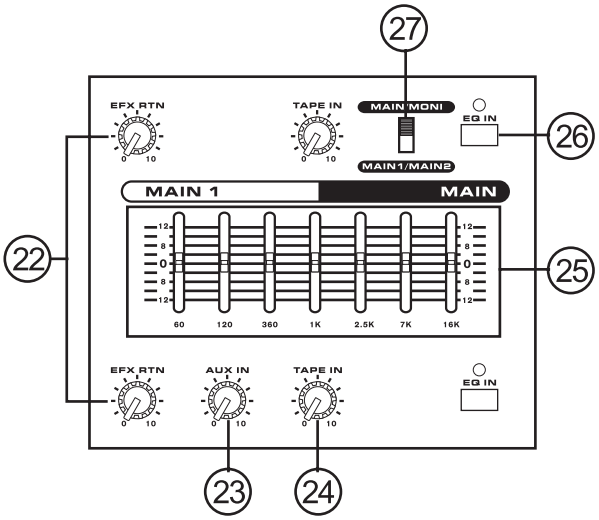


20. **Sig and Clip Indicators**
    Located within the Digital Effect Display are Clip and Sig LEDs. The Sig LED will light up when any signal is received by the effect processor, and the Clip LED will light up shortly before excessive signals are dynamically clipped. If the Clip LED lights up too often, it may be advisable to turn down one or all EFX controls on input channels to ensure the signal level is not too high.

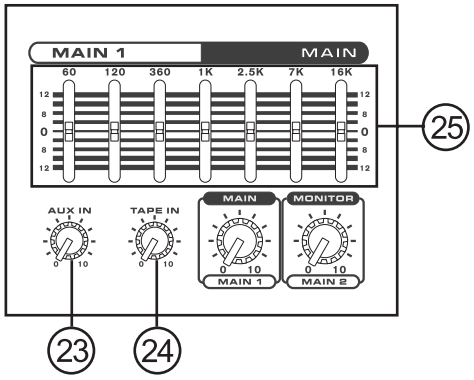
21. **Program Control**
    This control is used to scroll through the various effects. Turning the control clockwise will allow users to ascend into higher program numbers, and turning it counter-clockwise will allow users to descend into lower program numbers. Pushing this control will apply the new effect. When a tap-delay effect is selected, pressing this control will allow users to select the tap-delay time.
    By pushing the button several times, the effect processor interprets the time between last two pushes and remembers this as the delay time, until the button is pushed again (this is kept, even after the power is turned off). When the tap delay effect is selected, a small LED will flash within the digital effect display window at the selected intervals.

Master Section

22. **EFX Return Control**
The Powerpod 620 Plus features a single EFX Return control that adjusts the level of the EFX return input that is sent to the Main mix. The Powerpod 740 Plus, on the other hand, features two EFX Return controls; one that adjusts the level that is sent to the Monitor (or Main 2) mix, another that controls the final level that is sent to the Main (or Main 1) mix.



23. **AUX In Control**
This control allows users to adjust the level of the AUX input signal that is sent to the Main stereo mix.



24. **Tape In**
The Powerpod 620 Plus features a single Tape in control (located below the equalizer) that adjusts the level of the AUX in input that is sent to the Main 1-2 mix. The Powerpod 740 features a Tape in control for both the Monitor and Main L-R channels, with a single control located below each of the equalizers.

25. **Graphic Equalizers**
These graphic equalizers allow users to adjust the frequency response of a signal, with a maximum of ±12 dB of signal boost or cut for each of the frequencies. The Powerpod 620 features a single 7-band equalizer. The Powepod 740 Plus features dual 7-band Graphic Equalizers (for the Moni/Main 2 and Main/Main 1 signals).

26. **EQ IN and Indicator**
(Powerpod 740 Plus only)
This button activates the equalizer in which it accompanies. The corresponding LED indicator illuminates when the EQ is activated.

27. **EQ Select Switch**
(Powerpod 740 Plus only)
This switch (featured on the Powerpod 740 Plus only) enables you to select the way you utilize the pair of Equalizers on these models. When the switch is in the uppermost position it enables you to use the top equalizer for the Monitor signal and the lower equalizer for the Main mix. In the lower position, the equalizers are used for the mixer's Main 1 and 2 signals.

28. **Phantom Power Switch and Indicator**
When this switch is in the on position it activates +48V of Phantom Power for all channels on the Powerpod Mixers, allowing condenser microphones to be used on these channels. The corresponding LED will illuminate when the Master Phantom Power is activated.

29. **Amp Select Switches**
This switches control the activity of the built-in power amp, enabling the user to alternate between the different signals which can be processed by the built-in power amp and routed to the speaker outputs on the rear of the device. This switch allows you to select from: Main/Monitor – taking the monitor and main signals and directing them to the appropriate outputs – Main 1 / Main 2 – taking the Main signals to send to – and Bridge (L+R) – which combines the Main Left and Right signal and feeds them through the (L+R) Bridge output.

NB. When using a mono bridge connection, use the (L+R) Bridge speaker jack only. Connecting speakers to the other speaker outputs could cause irreversible damage to the unit.

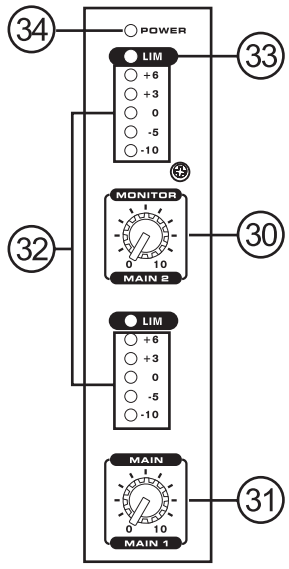
30. **Monitor Level Control**
This rotary control allows the user to adjust the final signal level sent to all Monitor outputs.

31. **Main Level Control**
This rotary control allows the user to adjust the final signal level sent to the Main L-R and Speaker outputs.

32. **Level Meter**
These level meters give accurate indications of when audio levels of the Main and Monitor outputs reach certain levels. The 0 dB indicator illuminates is approximately equal to an output level of +4 dBu. It is suggested that users set the various levels controls so that it sits steadily between 0 and the second highest level indicated on the Level Meter to make full use of audio, while still maintaining great clarity. The 620 Plus features a dual 5-segment LED display, whereas the 740 Plus features two separate 5-segment LED displays.

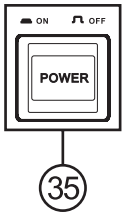
33. **Limiters Indicators (Powerpod 740 Plus only)**
These LED indicators illuminate when the power amplifier's built-in limiters are activated, which effectively reduce signal levels when they reach high levels that could prove to damage sound quality.

34. **Power Indicator**
This LED indicator illuminates when power of your Powerpod Mixer is activated.

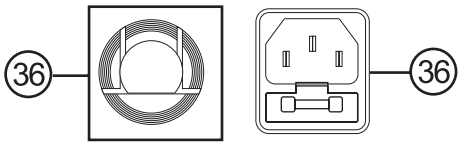


Rear Panel

35. **Power Button**
The power button, located on the rear of the mixer, is used to activate the mixer.



36. **AC Power Connector / Cord**
The AC connector on the Powerpod 740 Plus is included to ensure your Mixer gets the power it needs. Please use the power cable that is included with this mixer only. Located just below the AC power connector is the power supply's fuse. If the fuse ever blows, users are advised to switch it with a new fuse that corresponds with the specs listed on the fuse cover. The Powerpod 620 Plus has permanently connected AC power cord.



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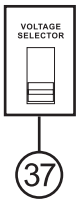
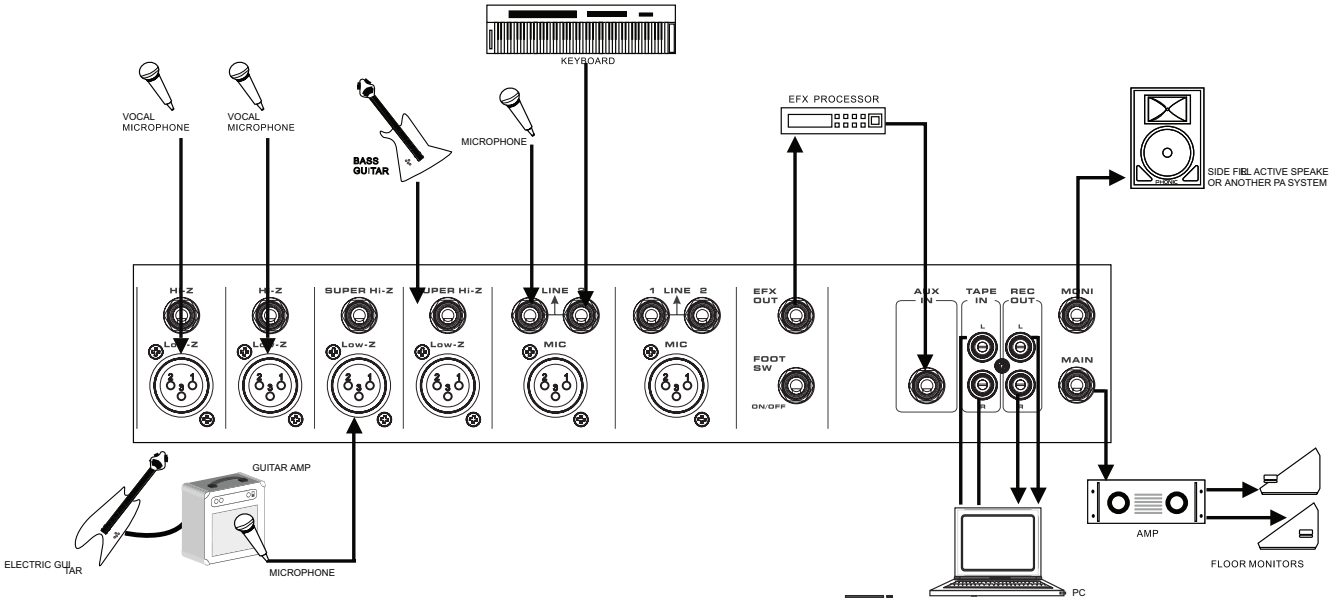
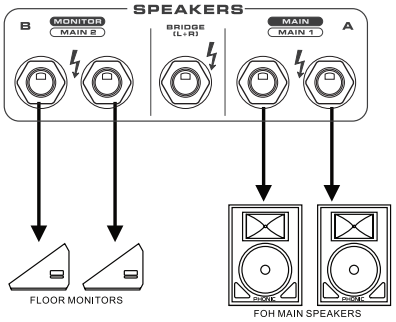
37. **Voltage Selector Switch (Powerpod 740 Plus only)**
This switch helps to adapt the mixer to different Countries' AC voltage levels. It is advised that users check that this switch's settings match your area's voltage levels before attempting to operate the unit.



APPLICATION

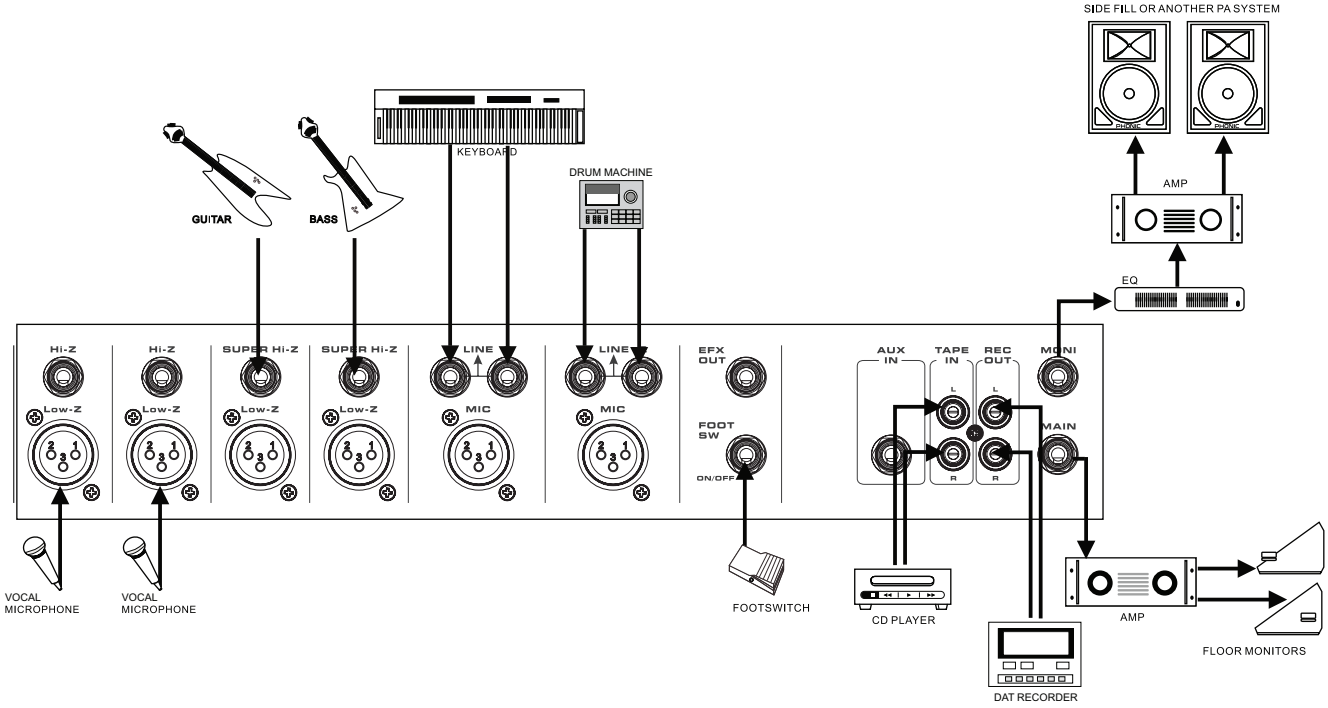
POWERPOD 620 Plus

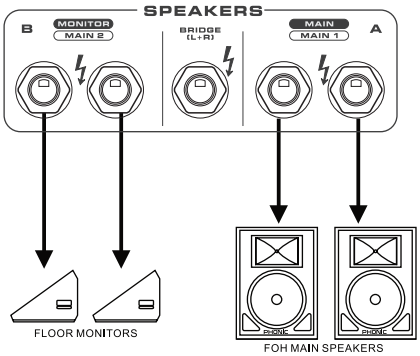




APPLICATION

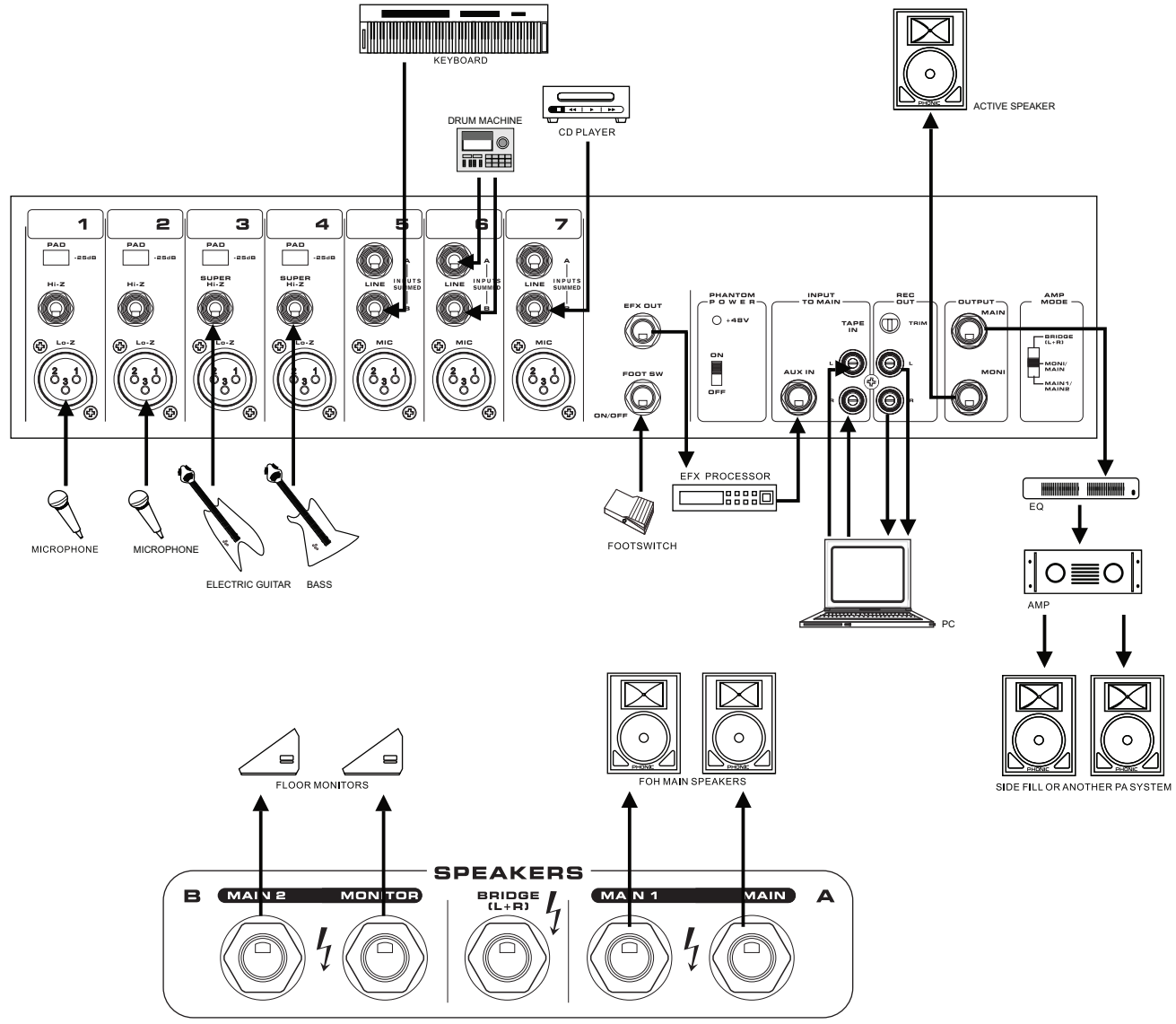
POWERPOD 620 Plus





APPLICATION

POWERPOD 740 Plus



SPECIFICATIONS

		Powerpod 620 Plus	Powerpod 740 Plus
Power Amplifier	Power Channels	2	2
	Limiters	2 (without LED INDICATORS)	2
	8-Ohm Load per Channel	80 Watts	145 Watts
	4-Ohm Load per Channel	120 Watts	220 Watts
	4-Ohms Bridged Mono	240 Watts	440 Watts
Inputs	Mono Mic/Line Channels	6	7
	Super Hi-Z Inputs	2	2
	Tape in	Stereo RCA	Stereo RCA
	Aux Returns	1	1
Outputs	Speaker Outputs	5 TRS 1/4”	5 TRS 1/4”
	Main Mix (Line) Level	1 TRS 1/4”	1 TRS 1/4”
	Aux Sends	1 Monitor	1 Monitor
	Record Output	Stereo RCA	Stereo RCA (with trim)
Channel Strips	Total Channel Strips	6	7
	Monitor/Effect Send Controls	2	2
	Volume Controls	Rotary	Rotary
	PAD In/Out	4	4
Master Section	Aux Send Masters	1 Monitor	1 Monitor
	Aux Returns	1	1
	Effects Return	N/A	2
	Faders	Rotary (Main)	Rotary (Main)
	Level Meter	5-segment	5-segment
Phantom Power Supply		+48V (global switch)	+48V (global switch)
Digital Effects (DFX)	Programs	100	100
	Effect Processor 1 Controls	1 program selector	1 program selector
	Foot Switch	On/Off	On/Off
Channel Equalizer	Type	2-band	3-band
	Range	+/-15 dB	+/-15 dB
	Low	80 Hz	80 Hz
	Mid	N/A	2.5KHz
	High	12 KHz	12 KHz
Graphic Equalizer	Master	7-band	2X 7-band (Assignable to Main1/Main2)
	Center Frequencies	60,120, 360, 1K, 2.5K, 7K, 16KHz	60,120, 360, 1K, 2.5K, 7K, 16KHz
	Range	+/-12 dB	+/-12 dB
Frequency Response	20Hz~20KHz, line level o/p @ +4 dBu into 600 ohms	+0/-2 dB	+0/-2 dB
	20Hz~20KHz, power amp o/p 1 Watt into 8 ohms	+0/-2 dB	+0/-2 dB
Crosstalk (@ 1 KHz)	Adjacent inputs or input to output	<-90 dB	<-90 dB

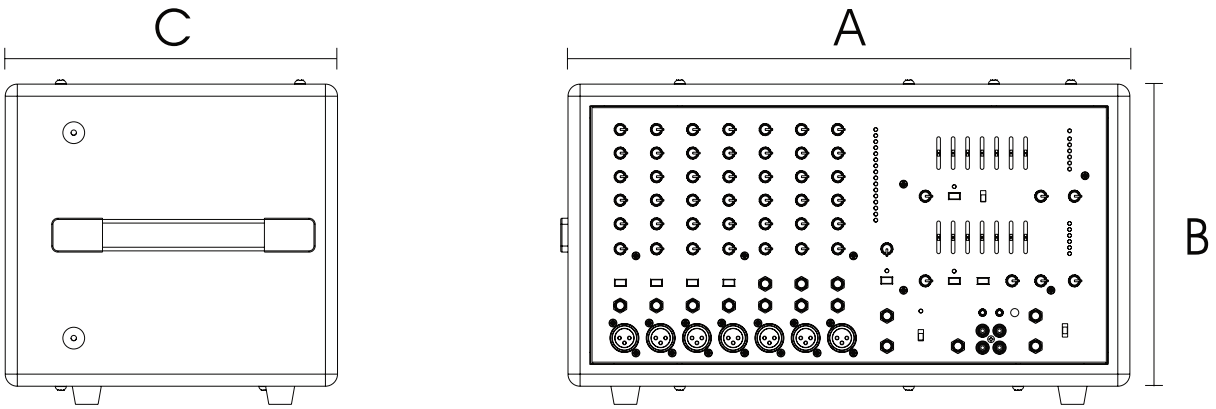
Noise	Master fader down	<-78 dBu	<-78 dBu
	Master fader 0 dB, ch. faders down	<-63 dBu	<-63 dBu
Total Harmonic Distortion (THD)	Mic input to main mix output @ +14 dBu	<0.5%, 4 ohms, @60 Watts	<0.5%, 4 ohms, @60 Watts
	Any output, 1KHz @+14dBu, 20Hz~20KHz, channel inputs	<0.3%	<0.3%
Maximum Level	Mic Preamp Input	+10 dBu	+10 dBu
	All Other Inputs	+22 dBu	+22 dBu
	Unbalanced Outputs	+22 dBu	+22 dBu
Power Supply	Mains Voltage	115VAC~230VAC, 50/60 Hz, Switchable	115VAC~230VAC, 50/60 Hz, Switchable
	Power Consumption	120 Watts	220 Watts
Dimensions (W x H x D)		440x245x275mm (17.3” x 9.6” x 10.8”)	471x265x275mm (18.5” x 10.4” x 10.8”)
Weight		27.5 lbs	29.7 lbs
		12.5 kg	13.5 kg

DIGITAL EFFECT TABLES

NO	PROGRAM NAME	PARAMETER SETTING	
	ROOM	**REV-TIME**	**EARLY LEVEL**
00	COMPACT ROOM 1	0.05	100
01	COMPACT ROOM 2	0.4	0
02	SMALL ROOM 1	0.45	100
03	SMALL ROOM 2	0.6	90
04	MID ROOM 1	0.9	100
05	MID ROOM 2	1	50
06	BIG ROOM 1	1.2	100
07	TUNNEL	3.85	100
	HALL	**REV-TIME**	**EARLY LEVEL**
08	JAZZ CLUB	0.9	90
09	SMALL HALL 1	1.5	72
10	SMALL HALL 2	1.75	85
11	SPRING HALL	1.9	98
12	MID HALL 1	2.3	100
13	MID HALL 2	2.45	80
14	RECITAL HALL	2.7	96
15	BIG HALL 2	3.3	88
	PLATE	**REV-TIME**	**HPF**
16	SMALL PLATE	0.9	0
17	TAIL PLATE	1.2	20
18	MID PLATE 1	1.3	0
19	MID PLATE 2	2.2	0
20	REVERSE PLATE	2.25	42
21	LONG PLATE 1	2.6	80
22	LONG PLATE 2	3	625
23	LONG PLATE 3	4.2	0
	DELAY-1(stereo)	**DELAY AVERG.**	**R-LEVEL**
24	SHORT DELAY 1	0.07	60
25	SHORT DELAY 2	0.14	60
26	PING PONG DELAY	0.11	55
27	MID DELAY 1	0.15	55
28	MID DELAY 1	0.3	60
29	SHORT DELAY 1 (MONO)	0.06	100
30	MID DELAY 1 (MONO)	0.13	100
31	LONG DELAY 1 (MONO)	0.18	100
	CHORUS	**LFO**	**DEPTH**
32	SOFT CHORUS	0.2	56
33	SOFT CHORUS 2	0.5	70
34	SOFT CHORUS 3	0.8	75
35	WARM CHORUS	1.8	85
36	WARMER CHORUS 1	3.2	80
37	WARMER CHORUS 2	5.2	45
38	WARMER CHORUS 3	7.8	52
39	HEAVY CHORUS	9.6	48
	FLANGER	**LFO**	**DEPTH**
40	CLASSIC FLANGER 1	0.1	44
41	CLASSIC FLANGER 2	0.3	63
42	GENTLE FLANGER	0.6	45
43	WARM FLANGER	1.6	60
44	MODERN FALANGER 1	2	85
45	MODERN FALANGER 2	2.8	80
46	DEEP FALANGER 1	4.6	75
47	DEEP FALANGER 2	10	60
	PHASER	**LFO**	**DELAY**
48	CLASSIC PHASER 1	0.1	3.6
49	CLASSIC PHASER 2	0.4	2.6
50	COOL PHASER	1.4	0.7
51	WARM PHASER	3.2	0.3
52	HEAVY PHASER 1	5	1.2
53	HEAVY PHASER 2	6	2.8
54	WILD PHASER 1	7.4	0.8
55	WILD PHASER 2	9.6	4.8

NO	PROGRAM NAME	PARAMETER SETTING	
	PAN	**SPEED**	**TYPE**
56	SLOW PAN	0.1	R-->L
57	SLOW PAN 1	0.1	R<-->L
58	SLOW PAN 2	0.4	R-->L
59	MID SHIFT	0.8	R<-->L
60	MID SHIFT 1	1.2	L-->R
61	MID SHIFT 2	1.8	L-->R
62	MID SHIFT 3	1.8	R-->L
63	FAST MOVE	3.4	R<-->L
	TREMOLO	**SPEED**	**MODE-TYPE**
64	LAZY TREMOLO	0.8	TRG
65	VINTAGE TREMOLO	1.5	TRG
66	WARM TREMOLO	2.8	TRG
67	WARM TREMOLO 1	4.6	TRG
68	HOT TREMOLO	6.8	TRG
69	HOT TREMOLO 1	9.6	TRG
70	CRAZY TREMOLO 1	15	TRG
71	CRAZY TREMOLO 2	20	TRG
	DELAY+REV	**REV**	**DELAY-1**
72	DELAY+REV 1	1	1
73	DELAY+REV 2	2	2
74	DELAY+REV 3	3	3
75	DELAY+REV 4	4	4
76	DELAY+REV 5	5	5
77	DELAY+REV 6	6	6
78	DELAY+REV 7	7	7
79	DELAY+REV 8	8	8
	CHORUS+REV	**REV**	**CHORUS**
80	CHORUS+REV 1	1	1
81	CHORUS+REV 2	2	2
82	CHORUS+REV 3	3	3
83	CHORUS+REV 4	4	4
84	CHORUS+REV 5	5	5
85	CHORUS+REV 6	6	6
86	CHORUS+REV 7	7	7
87	CHORUS+REV 8	8	8
	FLANGER+REV	**REV**	**FLANGER**
88	FLANGER+REV 1	1	1
89	FLANGER+REV 2	2	2
90	FLANGER+REV 3	3	3
91	FLANGER+REV 4	4	4
92	FLANGER+REV 5	5	5
93	FLANGER+REV 6	6	6
94	FLANGER+REV 7	7	7
95	FLANGER+REV 8	8	8
	GATED-REV	**RELEASE**	**REV**
96	GATED-REV-1 9	0.02	TAIL PLATE
97	GATED-REV-2 10	0.2	TAIL PLATE
98	GATED-REV-1 9	0.02	REVERSE PLATE
99	GATED-REV-2 10	0.5	REVERSE PLATE
	TAP DELAY	**FB LEVEL**	**RANGE**
A0	TAP DELAY	0	100mS - 2.7S
A1	TAP DELAY	10	100mS - 2.7S
A2	TAP DELAY	20	100mS - 2.7S
A3	TAP DELAY	30	100mS - 2.7S
A4	TAP DELAY	40	100mS - 2.7S
A5	TAP DELAY	50	100mS - 2.7S
A6	TAP DELAY	60	100mS - 2.7S
A7	TAP DELAY	70	100mS - 2.7S
A8	TAP DELAY	80	100mS - 2.7S
	TEST TONE	**FREQUENCY**	**SHAPE**
T0	LOW FREQUENCY	100Hz	SINEWAVE
T1	MID FREQUENCY	1kHz	SINEWAVE
T2	HIGH FREQUENCY	10kHz	SINEWAVE
PN	PINK NOISE	20Hz~20kHz	

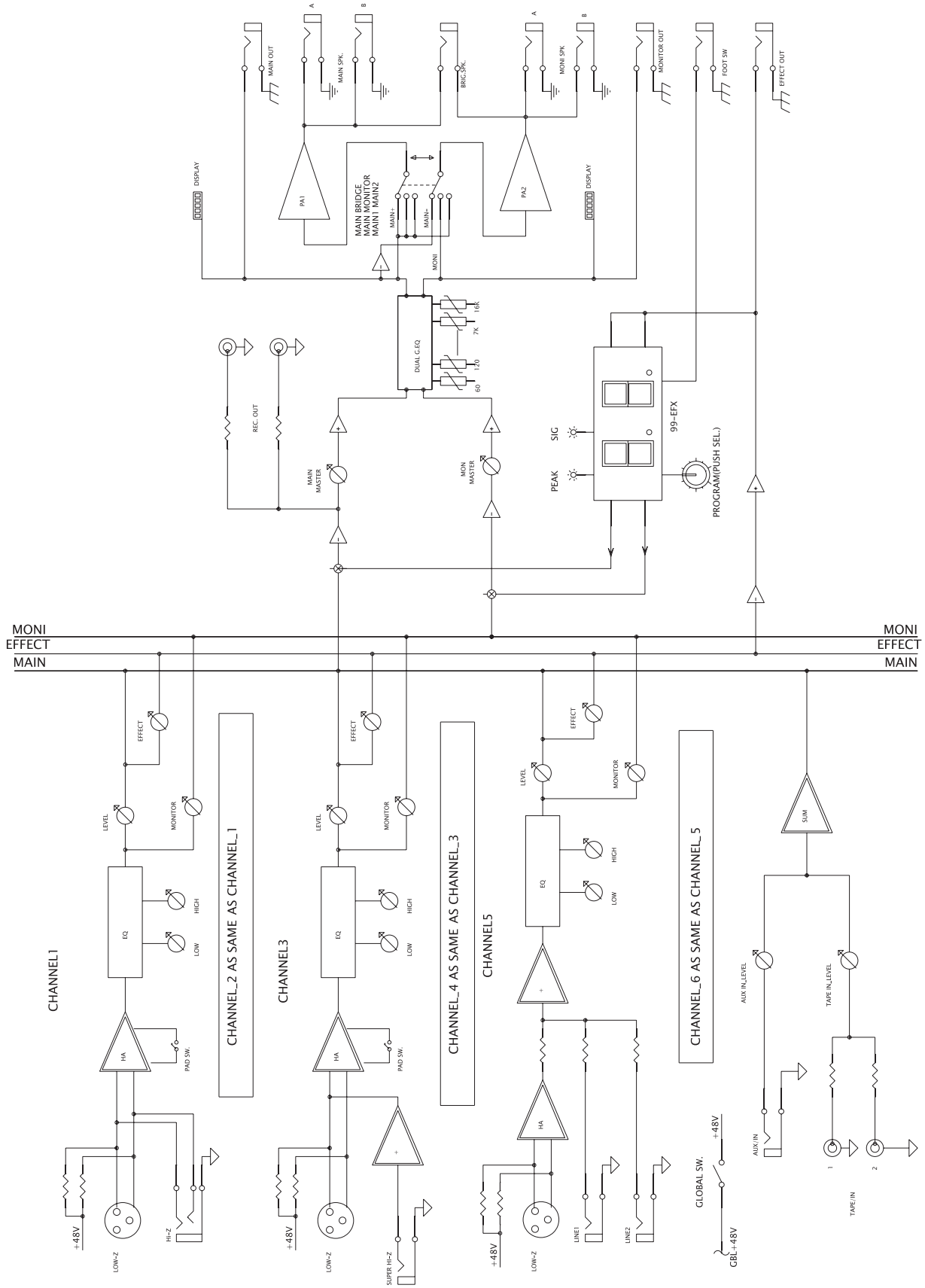
DIMENSIONS



	POWERPOD 620 PLUS	POWERPOD 740 PLUS
A	440 mm (17.3 inches)	471 mm (18.5 inches)
B	245 mm (9.6 inches)	265 mm (10.4 inches)
C	275 mm (10.8 inches)	275 mm (10.8 inches)

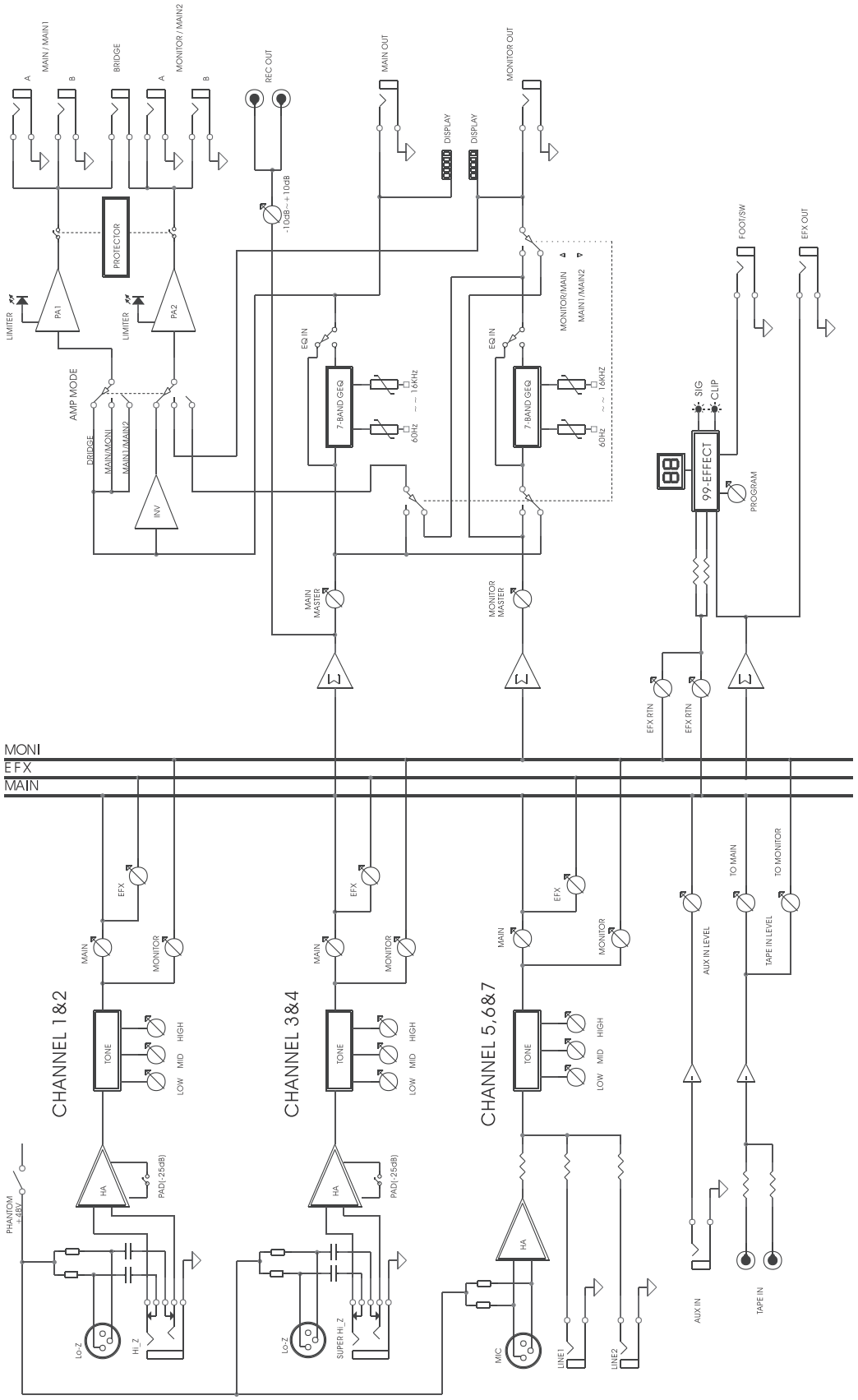
BLOCK DIAGRAM

POWERPOD 620 Plus



BLOCK DIAGRAM

POWERPOD 740 Plus



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