## POWERPOD 620 FR

200W 6-Channel Powered Mixer with Feedback Elimination & USB Recorder

- 100W + 100W power amplifier with built-in limiters
- Phonic's feedback reduction circuitry dynamically searches out and kills feedback while still ensuring the rest of your audio sounds fantastic
- Record your performance directly to an USB storage device, then playback the performance through the powerpod or connect the USB device to your computer's reader to upload the performance
- 32/40-bit digital multi-effect processor with 16 programs plus parameter control and footswitch jack
- 7-band graphic EQ



## **FEATURES**

- 100W + 100W / 4 ohms dual power amplifiers for Main or Main/Monitor (Bridge mono, 200W / 8 ohms)
- Built-in one-touch feedback elimination circuitry for destroying feedback in live performances
- USB recorder and playback device for capturing all performances with ease
- 32/40-bit digital multi-effect processor with 16 programs plus parameter control and footswitch jack
- ▶ Six balanced Mic inputs and eight Line inputs
- ▶ Two Super Hi-Z inputs optimized for direct instrument input

- > 2-band EQ on each input channel
- > 7-band master graphic EQ
- ▶ Pad control on channels 1~4
- AUX input
- ▶ Stereo RCA I/O
- ▶ Global +48V phantom power for mic inputs
- ▶ Built-in limiters
- Monitor and effect sends on each input channel
- Drive level / effect out master control for signal sent to effect processor

The Phonic Powerpod FR Series of mixers are powered mixers built into a compact and durable molded cabinet. Each Powerpod FR has a built-in stereo amplifier which is bridgeable and patchable. Super Hi-Z inputs allow for the addition of guitars and other instruments. The mixers feature onboard feedback elimination, activated with the push of a button. A USB recorder is also incorporated into the unit, allowing the main mix to be captured onto any standard USB storage device. The units also offer high definition digital effects with 16 preset programs, each with it's own user-definable parameter. The 3-band EQ on every channel (2-band on 620) and multi-band graphic EQ with selectable In/Out switches give you maximum control over your mix.



## **SPECIFICATIONS**

Number of Power Channels   2			
8 ohms per Channel 4 ohms per Channel 70 4 ohms per Channel 8 ohms Bridge Mono 200 Crosstalk (1KHz@0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs) Channel muted, other channels at unity Frequency Response at proper impedance load Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R Master output, all fader down Power amp output, all fader down 7-8dBu Power amp output, all fader down 7-8dBu Power output, 1KHz, 20Hz to 20KHz Any output, 1KHz, 20Hz to 20KHz Any output, 1KHz@ +14dBu, 20Hz to 20KHz, channel inputs Inputs / Outputs  Lo-Z / Hi-Z Channels Balanced Mic/ Stereo Line Channels 2 T Input RCA AUX Returns 1 x 1/4" TRS, Unbal. Main L/R Stereo Main Mono 1 x 1/4" TRS, Unbal.	Number of Power Channels	2	
4 ohms per Channel 100 8 ohms Bridge Mono 200 Crosstalk (1KHz@0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs) Channel muted, other channels at unity Frequency Response at proper impedance load Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R Master output, all fader down <-78dBu Power amp output, all fader down <-63dBu THD Power output, 1KHz, @50 watts, 4 ohms 20Hz to 20KHz dannel inputs Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs Inputs / Outputs Lo-Z / Hi-Z Channels Balanced Mic/ Stereo Line Channels 2 TI Input RCA AUX Returns 1 x 1/4" TRS, Unbal. Main L/R Stereo N/A Main Mono 1 x 1/4" TRS, Unbal. Monitor Send	Limiter	N/A	
Crosstalk (1KHz@0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)  Channel muted, other channels at unity  Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <-78dBu  Power amp output, all fader down <-63dBu  THD  Power output, 1KHz, @50 watts, 4 ohms <0.12%  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  TI Input RCA  AUX Returns 1 x 1/4" TRS, Unbal.  Main L/R Stereo N/A  Main Mono 1 x 1/4" TRS, Unbal.  Monitor Send	8 ohms per Channel	70	
Crosstalk (1KHz@0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)  Channel muted, other channels at unity  Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <-78dBu  Power amp output, all fader down <-63dBu  THD  Power output, 1KHz, @50 watts, 4 ohms <0.12%  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  TI Input RCA  AUX Returns 1 x 1/4" TRS, Unbal.  Main Mono 1 x 1/4" TRS, Unbal.  Monitor Send	4 ohms per Channel	100	
Channel in to main L/R outputs)  Channel muted, other channels at unity  Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <-78dBu  Power amp output, all fader down <-63dBu  THD  Power output, 1KHz, @50 watts, 4 ohms <0.12%  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  TI Input RCA  AUX Returns 1 x 1/4" TRS, Unbal.  Main Mono 1 x 1/4" TRS, Unbal.  Monitor Send	8 ohms Bridge Mono	200	
Channel muted, other channels at unity  Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <a href="#">&lt;-78dBu</a> Power amp output, all fader down <a href="#">&lt;-63dBu</a> THD  Power output, 1KHz,	Crosstalk (1KHz@0dBu, 20Hz to	20KHz bandwidth,	
unity  Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down	channel in to main L/R outputs)		
Frequency Response at proper impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <-78dBu  Power amp output, all fader down <-63dBu  THD  Power output, 1KHz,		N/A	
impedance load  Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down <-78dBu  Power amp output, all fader down <-63dBu  THD  Power output, 1KHz, @50 watts, 4 ohms 20Hz to 20KHz <0.12%  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  2T Input RCA  AUX Returns 1 x 1/4" TRS, Unbal.  Main L/R Stereo N/A  Main Mono 1 x 1/4" TRS, Unbal.  Monitor Send 1 x 1/4" TRS, Unbal.	-		
inputs to main L/R outputs, all channels assigned, panned L/R  Master output, all fader down  Power amp output, all fader down  THD  Power output, 1KHz, 20Hz to 20KHz  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  TI Input  RCA  AUX Returns  Main L/R Stereo  M/A  Main Mono  1 x 1/4" TRS, Unbal.  Monitor Send  A-63dBu  <-78dBu  <-78dBu  -78dBu  -		+1/-3dB	
Master output, all fader down < -78dBu  Power amp output, all fader down < -63dBu  THD  Power output, 1KHz,	Noise: 20Hz to 20KHz bandwidth, IHF-A weighted, line		
Master output, all fader down Power amp output, all fader down THD Power output, 1KHz, 20Hz to 20KHz Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs Inputs / Outputs  Lo-Z / Hi-Z Channels Balanced Mic/ Stereo Line Channels 2 T Input RCA AUX Returns Aux Returns Main L/R Stereo M/A Main Mono Monitor Send  <-63dBu78dBu63dBu1840Bu63dBu1840Bu63dBu1840Bu63dBu -	inputs to main L/R outputs, all channels assigned,		
Power amp output, all fader down THD  Power output, 1KHz, 20Hz to 20KHz Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2 T Input RCA  AUX Returns Main L/R Stereo M/A  Main Mono Monitor Send  Q 50 watts, 4 ohms <0.06%  6, 2 with super Hi-Z (470K ohms)  2  RCA  1 x 1/4" TRS, Unbal.  1 x 1/4" TRS, Unbal.	panned L/R		
THD  Power output, 1KHz, 20Hz to 20KHz  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  T Input  RCA  AUX Returns  Main L/R Stereo  Monitor Send  @50 watts, 4 ohms <a href="#"><a hr<="" td=""><td>Master output, all fader down</td><td>&lt;-78dBu</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Master output, all fader down	<-78dBu	
Power output, 1KHz, 20Hz to 20KHz  Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  T Input  RCA  AUX Returns  AUX Returns  Main L/R Stereo  M/A  Main Mono  Monitor Send  @50 watts, 4 ohms <a href="mailto:color:blue">c0.06%</a> 20.06%  8  AUX with super Hi-Z (470K ohms)  2  RCA  1 x 1/4" TRS, Unbal.  1 x 1/4" TRS, Unbal.	Power amp output, all fader down	<-63dBu	
20Hz to 20KHz       <0.12%	THD		
Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  2T Input  RCA  AUX Returns  Main L/R Stereo  M/A  Main Mono  1 x 1/4" TRS, Unbal.  Monitor Send <a href="mailto:xiv">x 1/4" TRS, Unbal.</a> 1 x 1/4" TRS, Unbal.	Power output, 1KHz,	@50 watts, 4 ohms	
20Hz to 20KHz, channel inputs  Inputs / Outputs  Lo-Z / Hi-Z Channels  Balanced Mic/ Stereo Line Channels  2  2T Input  RCA  AUX Returns  Main L/R Stereo  M/A  Main Mono  1 x 1/4" TRS, Unbal. Monitor Send  1 x 1/4" TRS, Unbal.	20Hz to 20KHz	<0.12%	
20Hz to 20KHz, channel inputs           Inputs / Outputs         6, 2 with super Hi-Z (470K ohms)           Balanced Mic/ Stereo Line Channels         2           2T Input         RCA           AUX Returns         1 x 1/4" TRS, Unbal.           Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.	Any output, 1KHz @ +14dBu,	~0.06%	
Co-Z / Hi-Z Channels	20Hz to 20KHz, channel inputs	<b>40.0070</b>	
Co-2 / Hi-2 Channels	Inputs / Outputs		
Balanced Mic/ Stereo Line         2           Channels         2           2T Input         RCA           AUX Returns         1 x 1/4" TRS, Unbal.           Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.	Lo-7 / Hi-7 Channels	-	
Channels         2           2T Input         RCA           AUX Returns         1 x 1/4" TRS, Unbal.           Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.		(470K ohms)	
2T Input         RCA           AUX Returns         1 x 1/4" TRS, Unbal.           Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.		2	
AUX Returns         1 x 1/4" TRS, Unbal.           Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.	Channels		
Main L/R Stereo         N/A           Main Mono         1 x 1/4" TRS, Unbal.           Monitor Send         1 x 1/4" TRS, Unbal.	2T Input	RCA	
Main Mono 1 x 1/4" TRS, Unbal.  Monitor Send 1 x 1/4" TRS, Unbal.	AUX Returns	1 x 1/4" TRS, Unbal.	
Monitor Send 1 x 1/4" TRS, Unbal.	Main L/R Stereo	N/A	
	Main Mono	1 x 1/4" TRS, Unbal.	
AUX / EFX Send 1 x 1/4" TRS, Unbal.	Monitor Send	1 x 1/4" TRS, Unbal.	
	AUX / EFX Send	1 x 1/4" TRS, Unbal.	

Phones	N/A
Record Out	RCA
Speaker Outputs	5 x 1/4" TRS
USB Recording/Playback	
Recording Format	wav
Maximum Playback Bitrate	320 kbit/second
Supported Playback Formats	wav, mp3
Master Section	
Monitor & AUX / EFX Send Masters	2
Stereo AUX Returns	N/A
Effects Return to Monitor	Yes
Phones Level Control	N/A
Faders	Moni, Main (Rotary)
Phantom Power Supply	+48VDC
Built-in Digital Effect Processor	32/40-bit, 16 programs
Foot Switch	Digital effect mute: ON/OFF
Feedback Elimination	YES
Built-in Graphic EQ	Stereo 7-band
CMRR (1 KHz @ -60dBu, Gain at maximum)	80dB
Channel Equalization	2-band, ±15dB
Low EQ	80Hz
Mid EQ	N/A
Hi EQ	12KHz
Power Requirement	100-120VAC, 220-
	240VAC, 50/60 Hz,
	depends on region
Dimensions (WxHxD)	470x260x275 mm
, ,	(18.5"x10.24"x10.83")
Weight	12kg (26.4lbs)



**Back Panel** 



