

Crown PIP-USP4 96 kHz Loudspeaker Presets

21 December 2016

21Dec16 Level 1 PIP-USP4 Presets were created using *Audio Architect v1.95* software. They are intended for use with amplifiers set to a 96 kHz sample rate. The correct sample rate is loaded with the Preset. These Presets use arbitrary FIR filters to implement the precise temporal (time domain) filters that are responsible for the remarkable benefits of TQ processing. For more information on TQ processing please see the *TQ Explained* and *Implementing TQ Processing* white papers on the Fulcrum Acoustic website.

File names are appended with a *FR*, *HP80*, or *LP80* suffix. The suffixes stand for Full Range, High Passed [80 Hz], and Low Passed [80 Hz] Presets respectively. RM Series also include a *NOHP* suffix, which stands for No High Pass.

- *FR* Presets are for 2- and 3-way loudspeakers that are run over their full operating range.
- *HP80* Presets are for 2- and 3-way loudspeakers that will be used with a subwoofer. These Presets are high-passed with a 80 Hz, 24 dB/oct Linkwitz-Riley filter.
- *NOHP* Presets are for use in high fidelity and/or studio monitor applications where a protective high pass filter is not required.
- *LP80* Presets are for subwoofers and are low-passed with a 80 Hz, 24 dB/oct Linkwitz-Riley filter.

Limiter settings are open for editing. Default values are optimized to provide maximum performance to owner / operators. You may choose to reduce limiter thresholds for rental systems or other uncontrolled environments.

Our limiter settings are selected to provide optimum sound quality and a healthy measure of system protection with minimal sacrifice of maximum SPL. They are intended to provide an added measure of reliability when a system is used responsibly; not to protect against wanton abuse. *In the event of component damage standard warranty conditions apply.*

Amplifier voltage gain is set to 32 dB in all Presets but RM22 and RM25, which are set to 26 dB. Preset routing may be found in the table on the following page.

Custom routings are available. Please send all inquiries to info@fulcrum-acoustic.com , or give us a call at +1 866 234 0678 ext 1.

Changes since 30Mar15 release:

- Updated AH96 and GX1265 Presets. Added CS118, CS121, FL283, and FLS115 Presets.

Preset Routings

AH463 v1 FR / HP80	LF	HF	Mono – use input CHI	
AH65 v3 FR / HP80	LF	HF	Mono – use input CHI	
AH96 v4 FR / HP80	LF	HF	Mono – use input CHI	
CS118 v1 LP80	SUB	SUB	Stereo	
CS121 v1 LP80	SUB	SUB	Stereo	
CX896 v5 FR / HP80	HF/LF	HF/LF	Stereo	
CX1226 v1 FR / HP80	HF/LF	HF/LF	Stereo	
CX1265 v4 FR / HP80	HF/LF	HF/LF	Stereo	
CX1277 v1 FR / HP80	HF/LF	HF/LF	Stereo	
CX1295 v4 FR / HP80	HF/LF	HF/LF	Stereo	
CX1526 v1 FR / HP80	HF/LF	HF/LF	Stereo	
CX1565 v4 FR / HP80	HF/LF	HF/LF	Stereo	
CX1577 v1 FR / HP80	HF/LF	HF/LF	Stereo	
CX1595 v4 FR / HP80	HF/LF	HF/LF	Stereo	
DX896 v2 FR / HP80	HF/LF	HF/LF	Stereo	
DX1226 v1 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1226 ROT v1 FR / HP80	LF	HF/LF	Mono – use input CHI	Use when coax is rotated 90 deg
DX1226fp v1 FR/HP80	HF/LF	HF/LF	Stereo	
DX1265 v5 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1265 ROT v5 FR / HP80	LF	HF/LF	Mono – use input CH2	Use when coax is rotated 90 deg
DX1277 v2 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1295 v6 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1295 ROT v6 FR / HP80	LF	HF/LF	Mono – use input CH2	Use when coax is rotated 90 deg
DX1295fp v1 FR/HP80	HF/LF	HF/LF	Stereo	
DX1526 v1 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1526 ROT v1 FR / HP80	LF	HF/LF	Mono – use input CHI	Use when coax is rotated 90 deg
DX1565 v5 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1565 ROT v5 FR / HP81	LF	HF/LF	Mono – use input CH2	Use when coax is rotated 90 deg
DX1577 v1 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1595 v5 FR / HP80	LF	HF/LF	Mono – use input CHI	
DX1595 ROT v5 FR / HP80	LF	HF/LF	Mono – use input CH2	Use when coax is rotated 90 deg
FA12 v2 FR / HP80	HF/LF	HF/LF	Stereo	
FA12-SM v2 FR / HP80	HF/LF	HF/LF	Stereo	Use for stage monitor application
FA15 v1 FR / HP80	HF/LF	HF/LF	Stereo	
FA15-SM v1 FR / HP80	HF/LF	HF/LF	Stereo	Use for stage monitor application
FA28 v1 FR / HP80	HF/LF	HF/LF	Stereo	
FA28-SM v1 FR / HP80	HF/LF	HF/LF	Stereo	Use for stage monitor application
FL283 - 1 Box v2 FR / HP80	HF/LF	HF/LF	Stereo	
FL283 - 4 Boxes v2 FR / HP80	HF/LF	HF/LF	Stereo	
FL283 - 6 Boxes v2 FR / HP80	HF/LF	HF/LF	Stereo	
FL283 - 8 Boxes v2 FR / HP80	HF/LF	HF/LF	Stereo	
FL283 - 12 Boxes v2 FR / HP80	HF/LF	HF/LF	Stereo	
FLS115 v1 LP80	SUB	SUB	Stereo	
FX1295 v1 FR / HP80	HF/LF	HF/LF	Stereo	
FX896 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1226 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1265 v2 FR / HP80	HF/LF	HF/LF	Stereo	
GX1277 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1295 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1526 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1565 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1577 v1 FR / HP80	HF/LF	HF/LF	Stereo	
GX1595 v1 FR / HP80	HF/LF	HF/LF	Stereo	

Preset Routings

Preset Name(s)	CH1	CH2	Configuration	Notes
L v2 FR / HP80	LF	HF/LF	Mono – use input CHI	
M v6 FR / HP80	LF	HF/LF	Mono – use input CHI	
P v4 FR / HP80	HF/LF	HF/LF	Stereo	
RM22 v4 FR / NOHP	LF	HF/LF	Mono – use input CHI	
RM25 v4 FR / NOHP	LF	HF/LF	Mono – use input CHI	
RX599-16 v2 FR / HP80	HF/LF	HF/LF	Stereo	Use for 16 Ω operation
RX699-16 v2 FR / HP80	HF/LF	HF/LF	Stereo	Use for 16 Ω operation
RX699-70V v2 FR / HP80	HF/LF	HF/LF	Stereo	Use for 70 V operation
S v5 FR / HP80	HF/LF	HF/LF	Stereo	
Sub112 v2 LP80	SUB	SUB	Stereo	
Sub115 v2 LP80	SUB	SUB	Stereo	
Sub118 v1 LP80	SUB	SUB	Stereo	
Sub215 v7 LP80	SUB	SUB	Stereo	
Sub218 v1 LP80	SUB	SUB	Stereo	
Sub218L v1 LP80	SUB	SUB	Stereo	
TS212 v1 LP80	SUB	SUB	Stereo	
TS215 v2 LP80	SUB	SUB	Stereo	
TS221 v1 LP80	SUB	SUB	Stereo	
US208 v1 LP80	SUB	SUB	Stereo	
US212 v2 LP80	SUB	SUB	Stereo	
US221-2 v2 LP80	SUB	SUB	Stereo	
US221-4 v2 LP80	SUB	SUB	Stereo	
XL v6 [CLUB] FR / HP80	LF	HF	Mono – use input CHI	Use for EDM applications
XL v7 [FLAT] FR / HP80	LF	HF	Mono – use input CHI	Use for live applications