

Power ratings (rms)

Power Output per channel at 1 kHz
with both channels driven to 0.1%.

U24a: 400W, 2 ohms

U22a: 250W, 2 ohms

U24 : 400W, 4 ohms

U22 : 250W, 4 ohms

U2K

SERIES

Long-term reliability.
Unmatched sonic performance.
Powerful, low noise toroidal transformer.
Handsome, functional aluminum front panel.
Two fan cooling system and huge heatsink.

Professional amplifier with HiFi-like sound



If you are looking for a high-quality-sound amplifier combining HiFi properties with professional ruggedness for near to midfield amplification, check out our U2K series!

The U2K series is designed predominantly for medium and smaller clubs, dancefloors and as side-fill in near-field applications, such as in churches, schools, bars, coffee shops, shopping stores. The true 2-ohm models, U22a and U24a, will deliver average sound pressure to every corner of a room. They can drive eight 8-ohm speakers using dual channels.



The best-sound-quality, superior circuitry.

PSS U2K series feature a highly dynamic, ultra-low distortion pre-driver circuit. The discrete complementary-symmetrical push-pull cascade amplifier circuit of this type is only found on high end amplifier models. The amplifiers excellent characteristics have been applauded by professionals. Sonic quality is maintained from low signal levels to blazing peaks. We are convinced that the U2K series amplifiers can compete with the best available amplifiers for power output, high-quality sound and reliability.

A powerful toroidal transformer is the heart of the power supply.

PSS U2K series use high current, low noise toroidal transformers in their power supplies instead of less expensive and heavy EI-type transformers. The amplifiers can offer extremely quick transient response to the speaker load.

Volume controls and stereo/parallel/bridge operation.

All controls and displays are arranged on the front panel so that the user may easily operate and monitor the amplifier. Detented volume controls provide for quick repeat of settings. The amplifier functions in any of three modes. Stereo; two separate channels from input to output. Parallel; single channel input (mono) driving both output amplifiers. Bridge; single channel input (mono) with both amplifiers connected in bridge mode to a single load.

SPECIFICATIONS TABLE

	Condition	U24a	U22a	U24	U22	U21
Output(rms)	2 ohm	400W x 2	250W x 2			
Output(rms)	4 ohm	250W x 2	160W x 2	400W x 2	250W x 2	150W x 2
Output(rms)	8 ohm	150W x 2	100W x 2	250W x 2	150W x 2	100W x 2
Output(rms)	8 ohm bridged	500W x 1	320W x 1	800W x 1	500W x 1	300W x 1
Output(rms)	4 ohm bridged	800W x 1	500W x 1			
Cooling	variable speed		Two fan			One fan
I/O connector			2 Balanced XLR, 1 Speaker barrier strip			
Status indicator			Signal, Clip, Protect., ON			
Controls			2 Level controls, Bridged/Stereo/Parallel, Gnd/Lift			
Protection			Short, DC, Overtemperature			
Dimension	2U Rack		3 1/2"(H) * 19"(W) * 15"(D)			
Distortion	At rated power		<0.025%			
Freq. Response	At rated power		20Hz-20kHz +0, -0.5dB			
Freq. Bandwidth	At rated power		10Hz-50kHz +0, -3 dB			
Input sensitivity	At rated power		0.775 Vrms			
IM distortion	60Hz and 7kHz		<0.03%			
Input impedance	Each leg to gnd		10k ohm			
Damping factor	1 kHz@8 ohm		>300			
Crosstalk			<-100 dB			
Noise	At rated power		<-105 dB			
Slew rate (V/uS)		40	30	50	40	30
Voltage gain (dB)		32	31	33	32	31
Power supply (W)		1100	600	1100	600	400
Max current (A)	AC115V(230V)	10(5)	5(3)	10(5)	5(3)	3(2)
Weight lbs (kg)		27 (12)	22 (10)	27 (12)	22 (10)	20 (9)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PSS is a registered trademark of PSS Prosound Ent. Co., Ltd.

PSS

Professional

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