

IP SERIES

The Hortus IP series is a series of multi-purpose installation amplifiers. The amplifiers have built in Wireless-Access-Point (WAP) for the simple connection and configuration via WiFi.



- ✓ **DSP** – full matrix DSP embedded and controlled via TCP/IP
- ✓ **Targeted Constant Voltage** - Optimal hybrid of Lo & Hi-Z performance
- ✓ **Master / Slave functionality** – S/PDIF link to multiple amps
- ✓ **Power share** – Support power sharing up to 250W per channel
- ✓ **Certified** - Safety approved, EMC & EuP compliant & Energy Star*

Applications

Bars, Cafes & Restaurants

The combination of small size and high power per channel flexibility makes IP series especially good for installing in Bars, Cafés, and restaurants. Easy to set up system with 2-4 channels in either Hi-Z or Low-Z and power to cover any room size.

Restaurants

Restaurant's use sound as part of the dining experience, and many have dynamic needs for the sound level. Some have bar areas where they need more sound pressure, and then have cosy eating areas where they need less. IP is ideal – as it delivers the power required, with 2-4 channels in Hi-Z or Low-Z to cover any room size.

Retail stores

Retail stores have background sound (or sound branding) where music is matched to the profile of store. This leads to a wide range of sound demand – a furniture store with cool background sound, a stylish clothes shop with medium pressure or a trendy juice bar with need for more power! IP fits all these needs as the required power can be utilised where needed – with both Hi-Z and Low-Z simultaneously.

Fitness Centres

Fitness locations demand excellent sound with great system flexibility. Background tracks play in a gym & workout area, soft sounds in yoga classes – then heart racing power in the spinning & CrossFit classes!

Hotels & Education Sites

For hotels and education sites that have auditoriums, theatres, large dining spaces, and multiple large meeting rooms - complete flexibility of available power is needed.

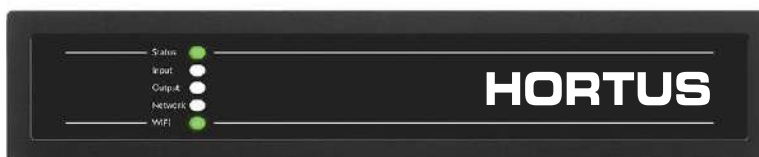
Corporate

The corporate space has many different applications – open office spaces, sound for board & conference rooms, meeting areas of any size – plus warehouses, cafeteria & break areas. IP an ideal choice as one amplifier can cover all these needs.

House of Worship

House of Worship needs reliable, high-quality amplification of voice, and at the same time the amplifier should cover a large distribution area with many specialized speakers. IP is perfect for house of worship sites – due to the high quality of amplification at medium power levels, delivering superior speech intelligibility

IP2.60, IP2.125, IP4.60 and IP4.125



Model	IP2.60	IP2.125	IP4.60	IP4.125
Channels	2 x Lo-Z / 1 x Hi-Z	2 x Lo-Z / 1 x Hi-Z	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z
Output power @ 4Ω/8Ω	2 x 60 W	2 x 125 W	4 x 60 W	4 x 125 W
Output power @ 70V/100V*	1 x 120 W	1 x 250 W	2 x 125 W	2 x 250 W
Powershare (up to) <i>Across all channels**</i>	1 x 120 W	1 x 250 W	1 x 250 W	2 x 250 W
Total System Power	120 W	250 W	250 W	500 W
Power Consumption	75 W	75 W	75 W	150 W
Dimensions	44.5 x 220 x 208 mm (1.75 x 8.66 x 8.19 in)	44.5 x 220 x 208 mm (1.75 x 8.66 x 8.19 in)	44.5 x 220 x 296 mm (1.75 x 8.66 x 11.65 in)	44.5 x 220 x 296 mm (1.75 x 8.66 x 11.65 in)
Weight	2 kg (4.4 lbs)	2 kg (4.4 lbs)	2.8 kg (6.2 lbs)	2.8 kg (6.2 lbs)
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion			
Output Voltage	70 Vp / 140 Vpp (unloaded) // Bridged 140 Vp / 280 Vpp (unloaded)			
Signal To Noise-Ratio	> 106 dB (A-weighted, 20 Hz – 20 kHz, 8 Ω load)			
THD+N (typical)	< 0.05% (20 Hz – 20 kHz, 8 Ω load, 3 dB below rated power)			
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)			
Protection Circuits	Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection			
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter			
Operating temperature	0 – 40 °C			
Operating Voltage/Frequency	Universal Mains, 100V - 240V, 50Hz - 60Hz			
Standby Consumption	< 0.5 W			
Accessories	Rack Mount Kit (Optional) Wall/Desktop Mount Kit (Optional)			
Power Ratings	1 % THD @ 120 Vac and 230 Vac			

*100V line mode operates @ -1 dB (~ 90 V)

**IP4.125 may only Powershare across Ch1/2 and Ch3/4

IP2.500, IP2.800, IP4.500 and IP2.800



Model	IP2.500	IP2.800	IP4.500	IP4.800
Channels	2 x Lo-Z / 1 x Hi-Z	2 x Lo-Z / 1 x Hi-Z	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z
Output power @ 2Ω	2 x 500 W (SE) - (BTL)	2 x 750 W (SE) - (BTL)	4 x 500 W (SE) - (BTL)	4 x 750 W (SE) - (BTL)
Output power @ 4Ω	2 x 500 W (SE) 1 x 1000 W (BTL)	2 x 750 W (SE) 1 x 1500 W (BTL)	4 x 500 W (SE) 2 x 1000 W (BTL)	4 x 750 W (SE) 2 x 1500 W (BTL)
Output power @ 8Ω	2 x 250 W (SE) 1 x 1000 W (BTL)	2 x 400 W (SE) 1 x 1500 W (BTL)	4 x 250 W (SE) 2 x 1000 W (BTL)	4 x 400 W (SE) 2 x 1500 W (BTL)
Output power @ 70V	1 x 1000 W (BTL)	1 x 1200 W (BTL)	2 x 1000 W BTL	2 x 1200 W (BTL)
Output power @ 100V	1 x 1000 W (BTL)	1 x 1500 W (BTL)	2 x 1000 W BTL	2 x 1500 W (BTL)
Total System Power	1000 W	1500 W	2000 W	3000 W
Power Consumption	350 W	350 W	700 W	700 W
Dimensions	440/322/88 mm (w/d/h)	440/322/88 mm (w/d/h)	440/322/88 mm (w/d/h)	440/322/88 mm (w/d/h)
Weight	5.9 kg	7.4 kg	5.9 kg	7.4 kg
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion			
Output Voltage	IP500.# - 65 Vp / 130 Vpp // Bridged 130 Vp / 260 Vpp IP800.# - 80 Vp / 160 Vpp // Bridged 160 Vp / 320 Vpp			
Signal To Noise-Ratio	> 108 dB (A-weighted, 20 Hz – 20 kHz, 8 Ω load)			
THD+N (typical)	< 0.05% (20 Hz – 20 kHz, 8 Ω load, 3 dB below rated power)			
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)			
Protection Circuits	Short circuit, DC, HF, Undervoltage, Temperature and Overload Protection			
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter			
Operating Temperature	0 – 40 C			
Operating Voltage/Frequency	Universal Mains, 100 V – 240 V, 50 Hz – 60 Hz			
Standby Consumption	< 0.5 W			
Accessories	Rack Mounts (Included)			
Power Ratings	1 % THD @ 120 Vac and 230 Vac			