Apex CloudPower series professional amplifiers feature built-in DSP and and secure, remote control over the cloud.

Connect the amplifier easily to the WebUI on any HTML5 capable browser (MAC, PC, IOS, Android) with the built-in WiFi hotspot, or to a local area network via cat5 cable.

Multiple amplifiers can be controlled through the same WebUI using the trusted and comprehensive workflow of our IntelliWare software package.

Log in to Apex Cloud and remotely manage your amplifiers from your office. Save time and money by monitoring performance and adjusting functions without the need for a site visit.

Featuring high-end studio-grade analogue circuit designs, the Apex CloudPower series sets a new benchmark in powered system management and speaker processing design. The proprietary Class-D amplifier control loop features GlidePath direct drive technology and exceptionally low intermodulation figures resulting in wide stereo imaging.

Four models with power ratings ranging from 350W to 3000W per channel fit all applications from small commercial spaces to the largest theatre.

Whether the application is a standalone system amplifier, or a comprehensive networked system with multiple amplifiers, the Apex CloudPower series is designed to provide the solution that our clients demand. With comprehensive loudspeaker preset capability, implementing CloudPower into your system couldn't be easier.

FEATURES

- Remote management over Apex Cloud
- All models can directly-drive low impedance or 70/100v loudspeakers
- High-efficiency, low idle power
- WebUI with built-in Wi-Fi Hotspot.
- Daylight viewable colour OLED display
- 4-channel platform
- 350, 750, 1500, 3000 WPC options
- Optional 4-input digital network card
-Unique internal streaming source supporting Spotify and Airplay

SPECIFICATIONS

Operating conditions	
Temperature	0° to 50° C, 10 to 60 % non-condensing
Storage temperature	-20° to 70° C
Safety / Compliance	CB Cerificate
Amplification and power supply	
Amplification class	Class D Glide Path technology
Power supply model	Universal switch mode power supplies with active PFC
Power Factor	> 0,9 above 1/2 P
Mains Rating	100-240V @ 50-60 Hz
Operating Voltage	90-260V
AC Mains connector	IEC C20 Inlet (20 A max) , CP1504 -3004 Powercon 32A
Audio Specifications	
Frequency response	1Hz-22kHz
Distortion THD+N	0,05% @ P/2 , 20Hz- 20 kHz, 22 kHz BW
Noise level (20 Hz - 20 kHz 8 ohm, A-weighted)	
Latency	
Phase response	±10 deg 20hz - 20kHz
DSP	
Digital Signal Processor	64 bit fix point
I/O Routing	Flexible Routing matrix
User processing functions per channel	
Gain:	-80 to +15dB, 0,1dB steps
Polarity:	normal / inverted
Delay:	0 to 250 ms (Shared between User and Group settings)
PEQ:	12 x PEQ. Each PEQ can be set to a choice of 16 filter types (1)
HP/LP filters:	Bessel , Butterworth and Linkwitz Riley with slopes from 6 to 48 dB/oct
Limiter:	Peak voltage, RMS voltage
Group processing functions	
Six global processing groups overlays which can link any amplifier channel in the network	
Gain:	-80 to +15dB, 0,1dB steps
Polarity:	normal / inverted
Delay:	0 to 250 ms (Shared between User and Group settings)
PEQ:	12 x PEQ. Each PEQ can be set to a choice of 16 filter types (1)
Speaker processing functions	
Gain:	-80 to +15dB, 0,1dB steps
Polarity:	normal / inverted
Delay:	0 to 250 ms (Shared between User and Group settings)
PEQ:	12 x PEQ. Each PEQ can be set to a choice of 16 filter types (1)
HP/LP filters:	Bessel , Butterworth and Linkwitz Riley with slopes from 6 to 48 dB/oct
Limiter:	Peak voltage, RMS voltage
FIR filters:	1024 taps per channel
(1) Filter types:	
	Bell-Sym,Bell-Asym, Notch, Low-Shelf 6dB or12dB, High-Shelf 6dB or 12dB
	All-Pass 90° or 180°, High-Pass 6dB, or 12dB, High-Pass VariQ 12dB,
	Low-Pass 6dB or 12dB, Low-Pass Vari-Q 12dB, Band-Pass

Circuits protection	
Mains and power supply	Under, over voltage, over current protection
Power outputs	DC, Overtemp, Overcurrent limiter, VHF
Load monitoring	Realtime load monitoring and internal pilot tone
Cooling	Cooling fans with temperature control speed
Inputs	
Analog	4 balanced analog line inputs 4x 3-pin Phoenix
A/D conversion	32 bit
Input impedance	10 kOhm
Max. input level	21 dBu
Digital	Optional digital network card (DANTE or AVB Milan)
Internal Streaming source	Two channels internal streaming source supporting Spotify en Airplay
Remote control and monitoring	
Network connection	Single port Ethernet Gigabit interface
Apex remote control software	CloudWare
Front panel indicators	
Daylight viewable colour OLED display	Real time level , limit and fault indicators

Amplifier Model	CP354	CP704	CP1504	CP3004
Total burst power (all channels driven)	1400	2800	6000	12000
2 ohms	350	700	1500	3000
4 ohms	350	700	1500	3000
8 ohms	350	500	1500	2000
16 ohms	250	250	1000	1000
Hi-Z 70V	280	280	1500	1500
Hi-Z 100V	140	140	1500	2500
Max Output Power bridged mode				
4 ohms	700	1400	NA	NA
8 ohms	700	1400	NA	NA
16 ohms	700	1000	NA	NA
Power and Thermal 115 V				
Idle Power	30W	30W	60W	120W
Idle Current Draw	0.3A	0.3A	0.6A	1.2A
Idle Thermal loss	102 BTU/h	102 BTU/h	204 BTU/h	408 BTU/h
1/8 Power @ 4 Ohm Power	185W	375W	800W	1600W
1/8 Power @ 4 Ohm Current Draw	1.6A	3.3A	7A	14A
1/8 Power @ 4 Ohm Thermal loss	341 BTU/h	682 BTU/h	1364 BTU/h	2729 BTU/h
Power and Thermal 230V				
Idle Power	30W	30W	60W	120W
Idle Current Draw	0.15A	0.15A	0.3A	0.6A
Idle Thermal loss	102 BTU/h	102 BTU/h	204 BTU/h	408 BTU/h
1/8 Power @ 4 Ohm Power	185W	375W	800W	1600W
1/8 Power @ 4 Ohm Current Draw	0.8A	1.65A	3.5A	7A
1/8 Power @ 4 Ohm Thermal loss	320 BTU/h	640 BTU/h	1280 BTU/h	2560 BTU/h

Physical	CP354	CP704	CP1504	CP3004
Unit Dimensions	483 x 44.5 x 358 mm	19" x 1,7" x 14" in	483 x 44.5 x 363 mm	19" x 1,7" x 14,3" in
Shipping Dimensions	560 x 120 x 560 mm	22" x 4,7" x 22,1" in	560 x 120 x 565mm	22" x 4,7" x 22,2" in
Unit Weight	5 kg - 11 Lbs	6 Kg - 13 Lbs	8 kg - 17 Lbs	10 kg - 22 Lbs
Shipping weight	6,5 Kg - 14,5 Lbs	7,5 Kg - 16,5 Lbs	9,5 Kg - 21 Lbs	11,5 Kg - 25 Lbs