

# FPT Series



## Class D Amplifiers With DSP & Dante Network

### APPLICATIONS

#### PROFESSIONAL CINEMA ROOMS

Standard 5. 1, 7.1 or immersive  
Atmos audio cinema playback  
systems in medium to large  
professional cinema rooms.

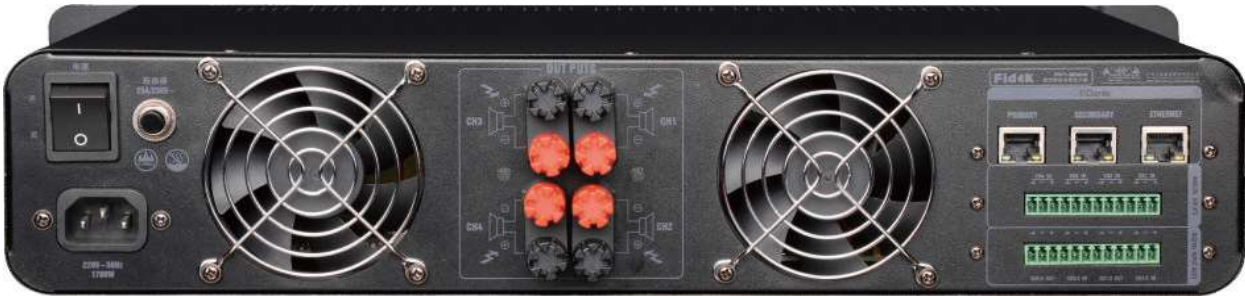
### FEATURES

- allows networked audio distribution from any Dante-compatible device and direct interfacing with Dolby Atmos Connect interfaces.
- Multi-machine management via Ethernet TCP/IP online
- Multiple input and output modes (Stereo, Sum, Input Y), multiple input source selection (GENERATOR, ANALOG, AES3, DANTE), Also, with a variety of signal generation sources (white/ pink noise, sine wave sweep)
- Multiple filter type settings (Linkwitz-Riley/Butterworth/Bessel/6dB/oct, 12dB/oct, 18dB/oct, 24dB/oct/, 30dB/oct, 36dB/oct, 48dB/oct
- With temperature, load detection function. Real-time detection of the operating temperature, voltage, and current of the power amplifier, and automatically adjust the output power to make the power amplifier work in the best working state
- Input 6-band EQ, output 8-band EQ with frequency, bandwidth and gain settings
- Analyze the load of the power amplifier in real time, judge the load of the speakers connected to the power amplifier, determine whether the speakers are open or short-circuited, also available for scanning the audio curve of the entire speaker after it is turned on and before normal use to ensure that the entire system of the speaker good.
- Barrier block input connectors and binding post output connectors
- Intuitive front-panel TFT and encoder to configure amplifier settings by touching control

Model Front Panel



Model Back Panel



### ORDER SPECIFICATIONS

Model	FPT-8004	FPT-15002	
SHIPPING CARTON (L x W x H):	568*469*192mm	568*469*192mm	
SHIPPING WEIGHT:	13.8 kg	13.8kg	

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## Class D Amplifiers With DSP & Dante Network

### TECHNICAL SPECIFICATIONS

MODEL	FPT-8004	FPT-15002
USER INTERFACE		
FRONT-PANEL INTERFACE:	Standby & Optional/Deterministic Code switch	
FRONT-PANEL DISPLAY:	4.3 TFT with touching control screen, LED indicator	
CHANNELS:	4	2
CONNECTORS		
ANALOG AUDIO INPUT:	Block connector	
DIGITAL AUDIO INPUT (DANTE/AES67):	2*RJ-45	
SPEAKER OUTPUT:	Bonding Post	
NETWORK/MONITORING/CONTROL:	RJ-45	
GPIO/AUX:	N/A	
POWER:	Standard IEC	
POWER (1kHz, 20MS BURST, 1% THD MAX)		
RATED POWER (8Ω):	300W*4	1000W*2
RATED POWER (4Ω):	600W*4	1600W*2
RATED POWER (2Ω):	900W*4	-
RATED POWER (8Ω BRIDGED):	1000W*2	-
RATED POWER (4Ω BRIDGED):	1600W*2	-
PERFORMANCE		
DIGITAL SIGNAL PROCESSING:	96kHz, 32-bit floating point	
VOLTAGE GAIN (AT 4,10,16dBu SENSITIVITY; 4/8Ω):	35/29/23dB	
FREQUENCY RESPONSE (4Ω, 20Hz – 20kHz):	±1dB	
TOTAL HARMONIC DISTORTION (AT FULL RATED POWER, FROM 20Hz – 20kHz):	<1%	
ANALOG INPUT SIGNAL TO NOISE RATIO (REF. RATED POWER, 'A'-WTD.):	>101dB	>101dB
ANALOG INPUT SIGNAL TO NOISE RATIO (REF. RATED POWER, 20Hz – 20kHz):	>95dB	>95dB
INTERMODULATION DISTORTION (60Hz AND 7kHz AT 4:1, FROM - 30dB TO FULL RATED POWER):	<1%	
DAMPING FACTOR (20Hz TO 100Hz):	>300	
CROSSTALK (BELOW RATED POWER, 20HZ – 1kHz):	>80dB	
COMMON MODE REJECTION (20Hz – 1kHz, TYPICAL):	>70dB	
DC OUTPUT OFFSET (WITH INPUTS SHORTED):	±10mV	
INPUT IMPEDANCE (NOMINALLY BALANCED, NOMINALLY UNBALANCED):	20 kΩ balanced, 10 kΩ unbalanced	
MAXIMUM INPUT LEVEL (LOW AMP GAIN MODE):	+19dBu	
LOAD IMPEDANCE STEREO/DUAL MODE:	2Ω – 16Ω	4Ω – 16Ω
LOAD IMPEDANCE BRIDGE MONO:	4Ω – 16Ω	
MAXIMUM FAN NOISE (REF. dB SPL @ 1M) :	56dBA	
ELECTRICAL		
POWER SUPPLY:	100 – 220V ±10%, 50/60Hz	
SLEEP:	-	
PHYSICAL		
DIMENSIONS (D x W x H):	88x483x505mm	
NET WEIGHT:	12kg	12kg