



Description

HP2150 and HP2240 are bi-amplified sound systems that combine the flexibility of 7 inputs analog mixer with the high quality audio processing of dual channel 96kHz sample rate DSP and the high efficiency of class D switching amplifiers.

This results in a new generation of compact devices which allow a quick and easy solution for whichever audio installations where clear and intelligible audio broadcasting is an essential requirement, such as places of worship, court halls and auditoriums.

The DSP configuration is intuitive and easy handling thanks to the two rotary encoders and the 2x20 backlight LCD display that allow the navigation of the Menu.

The maximum sound effect accuracy is guaranteed from the analog noise gate and 3 band EQ for each input and also from the 31 Band Graphic EQ and the 6 PEQ available in the DSP processor parameters.

Features

Amplified Mixer Section:

- Constant Impedance and constant Voltage outputs
- 2 Amplified Outputs
- Switching power supply, Class D circuit topology
- 5 balanced Mic/Line XLR inputs selectable
- 2 stereo Auxiliary RCA inputs
- 1 Stereo REC RCA output
- 3 band Equalizer for each channel
- 2 balanced XLR processed outputs
- 1 balanced XLR Direct output
- Selectable 48Vdc Phantom Supply
- Arranged for 19" rack mounting in 2 unit space

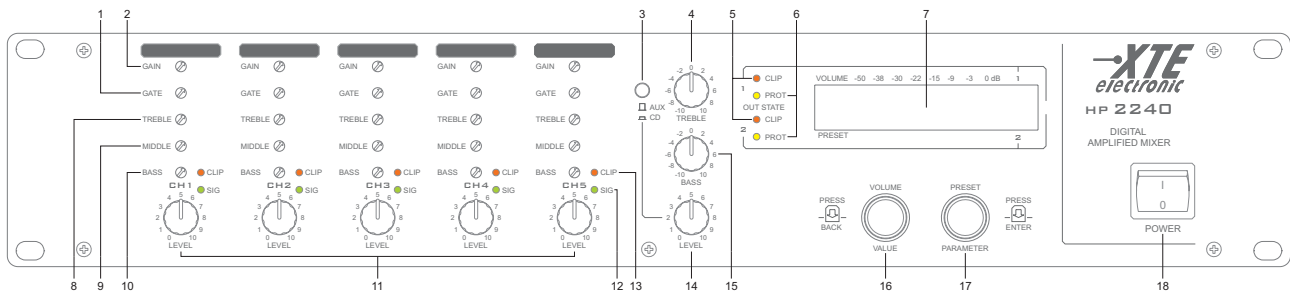
DSP Section:

- 2 channels 24bit/96kHz DSP Processor
- 20 memory Presets
- 31band Graphic EQ, 6 PEQ for each channel
- Delay (680ms/233mt Max)
- Clip Limiter

Technical Specifications

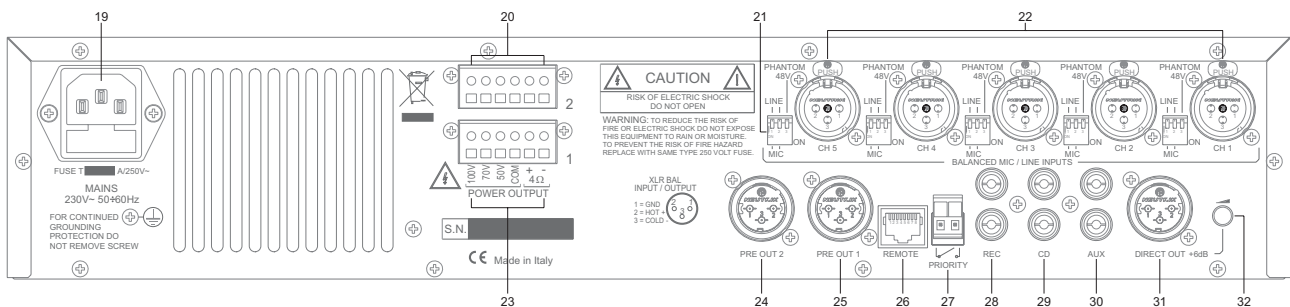
MODEL	HP2150	HP2240
Configuration	7 In/2 Output Channel Amplified Mixer	7 In/2 Output Channel Amplified Mixer
Inputs	5 balanced mic/line; 2 stereo AUX	5 balanced mic/line; 2 stereo AUX
Outputs	2x150W @ 100-70-50V/4ohm	2x240W @ 100-70-50V/4ohm
Controls	3 Band EQ, Gain, Gate and Level for each input; Bass and Treble EQ and Level for AUX inputs; Master Level; Volume, Preset, Value, Parameter, Back and Enter for DSP	
AUX Input Sensitivity	+ 0 dBu 775 mV	+ 0 dBu 775 mV
CD Input Sensitivity	+ 3 dBu 1,09V	+ 3 dBu 1,09V
LINE Inputs Sensitivity	- 28 dBu 31mV	- 28 dBu 31mV
MIC inputs Sensitivity	- 58 dBu 1 mV	- 58 dBu 1 mV
Mic-balanced inputs Impedance	600 Ohm	600 Ohm
Bass control	± 12 dB at 70 Hz	± 12 dB at 70 Hz
Middle control	± 12 dB a 700 Hz	± 12 dB a 700 Hz
Treble control	± 12 dB at 10 kHz	± 12 dB at 10 kHz
REC output level	+ 0 dBu 775 mV	+ 0 dBu 775 mV
PRE OUT output level	+ 4 dBu 1,22 V	+ 4 dBu 1,22 V
Frequency response	80-15.000 Hz	80-15.000 Hz
Rating power distortion @ 1 KHz	< 1%	< 1%
SN Ratio Line	> 84dB	> 84dB
E.I.N. MIC (20Hz+20kHz weighted)	126 dBV	126 dBV
Power Requirements	AC 230V-50+60Hz	AC 230V-50+60Hz
Consumption (1/8 power program)	95VA	140VA
Dimensions (WxHxD)	482x88x340mm	482x88x340mm
Weight - Net	7,1kg	8,6kg
Optional	C656-RJ remote control card; C714 Din-Don tone card	

Front Panel: Controls and Indicators



1. GATE – MIC/LINE input Noise Gate activation threshold control
2. GAIN – MIC/LINE input gain control
3. AUX / CD – AUX/CD input selector
4. TREBLE – AUX/CD inputs Treble tone control
5. CLIP – Output 1 and Output 2 signal Clip led indicator
6. PROT – Power unit 1 and Power unit 2 protect state led indicator
7. LCD – 20x2 Back light LCD display for DSP parameters view
8. TREBLE – MIC/LINE input Treble tone control
9. MIDDLE – MIC/LINE input Middle tone control
10. BASS – MIC/LINE input Bass tone control
11. LEVEL – MIC/LINE input level control
12. SIG – MIC/LINE input Signal presence led indicator
13. CLIP – MIC/LINE input signal Clip led indicator
14. LEVEL – AUX/CD inputs level control
15. BASS – AUX/CD inputs Bass level control
16. VOLUME / VALUE / BACK – Volume, Value and Back navigation control for DSP processor
17. PRESET / PARAMETER / ENTER – Preset, Parameter and Enter navigation control for DSP processor
18. POWER – Power on switch

Back Panel: Controls and Connectors



19. MAINS – AC 230V power supply socket, with incorporated protection fuse
20. POWER OUT – Output 2 connector for loudspeaker lines connection
21. MICROSCHITCS – MIC/LINE input sensitivity selector and 48V Phantom activation
22. MIC / LINE – Balanced inputs with variable sensitivity
23. POWER OUT – Output 1 connector for loudspeaker lines connection
24. PRE OUT 2 – Mixed and processed output of the DSP channel 2
25. PRE OUT 1 – Mixed and processed output of the DSP channel 1
26. REMOTE – RJ45 connector for remote Master level and Priority control
27. PRIORITY – Phoenix connector for configurable priority function control
28. REC – Mixed stereo line output
29. CD – Stereo CD input
30. AUX – Stereo line input
31. DIRECT OUT – Mixed output of the amplifier without DSP processing
32. LEVEL – Direct out level control

XTE Electronic reserve the right to make changes to the drawings and specifications at any time and without notice.

XTE electronic

Via Tragni, 6
42043 Gattatico RE
ITALY
Tel. +39 0522 900166
Fax. +39 0522 678548

WWW.XTEELECTRONIC.COM