



### Description

XTE has developed a series of mixer and integrated amplifiers, with unique features and technical specifications that excel these from similar products. Their three bands equalizer for each of the six inputs, guarantees clear sound quality and a perfect intelligibility.

This evolved version of Evolution Series, has been improved with Noise Gate and Feedback Suppressor processor to optimize the product performance also in very difficult noise situations, such as those that can be found in Places of Worship and congress halls.

**Noise Gate**, complete with adjustable threshold of activation, allows to minimize the reproduction of noise when no microphones are used.

**Feedback Suppressor** is capable of reducing the effects of acoustic feedback between the speaker unit and the microphone.

This solution enables the best management of any sound system by the use of a single product, with a significant cost and space saving.

### Features

Mixer and Amplified Mixers of Evolution Plus series, incorporate a set of features that make them adaptable to any application.

- Constant Impedance and constant Voltage outputs
- 4 balanced Micro/Line XLR inputs complete of selectable 24Vdc Phantom supply
- 2 balanced Micro/Line XLR inputs
- 2 stereo AUX RCA inputs
- 1 Stereo REC RCA output
- 3 band Equalizer for each input
- Output level meter indicator
- Arranged for 19" rack mounting in 2 unit space

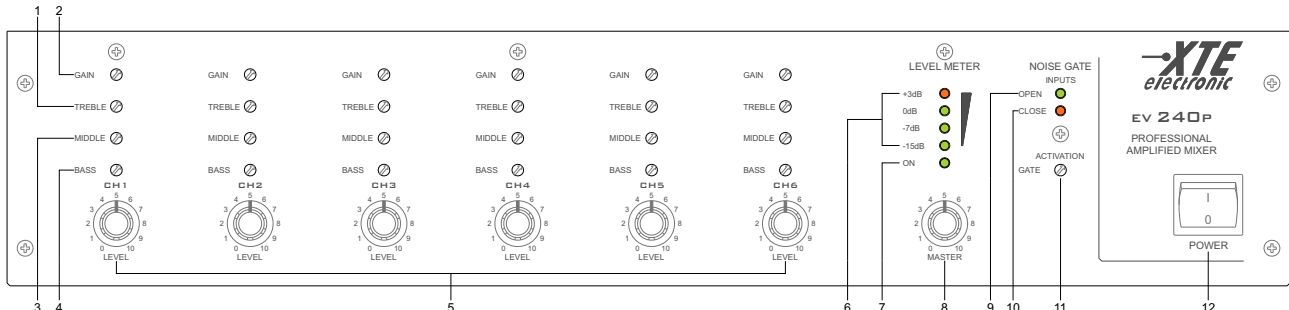
#### PLUS

- Noise Gate function with adjustable threshold of activation
- Integrated Feedback Suppressor processor

### Technical Specifications

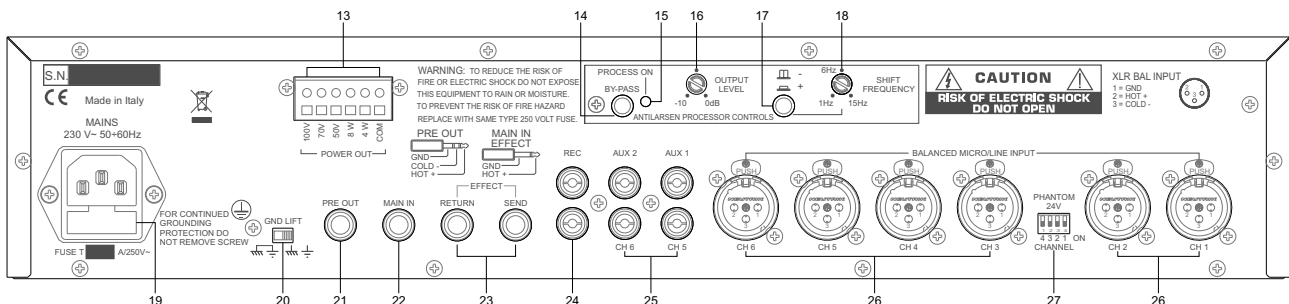
MODEL	EV6P	EV120P	EV240P
Configuration	6 In/1 Out Mixer	6 In/1 Out Amplified Mixer	6 In/1 Out Amplified Mixer
Inputs	6 balanced mic/line; 2 stereo AUX		
Outputs	Pre Out 0dBu	120W @100-70-50V/4ohm	240W @100-70-50V/4ohm
Controls	3 band EQ, Gain and Level for each input; Master Level		
AUX Inputs Sensitivity	-43 ÷ +5dBu 5,5mV ÷ 1,4V	-43 ÷ +5dBu 5,5mV ÷ 1,4V	-43 ÷ +5 dBu 5,5mV ÷ 1,4V
MICRO/LINE Inputs Sensitivity	-59÷-11dBu 0,8mV÷218mV	-59÷-11dBu 0,8mV÷218mV	-59÷-11dBu 0,8mV÷218mV
Micro-balanced inputs Impedance	10 Kohm	10 Kohm	10 Kohm
Bass control	± 12 dB at 60 Hz	± 12 dB at 60 Hz	± 12 dB at 60 Hz
Middle control	± 8 dB a 700 Hz	± 8 dB a 700 Hz	± 8 dB a 700 Hz
Treble control	± 12 dB at 10 KHz	± 12 dB at 10 KHz	± 12 dB at 10 KHz
REC output level	-9 dBu 275mV	-9 dBu 275mV	-9 dBu 275mV
PRE OUT output level	0 dBu 275mV	0 dBu 275mV	0 dBu 275mV
SEND and RETURN level	-9 dBu 275mV	-9 dBu 275mV	-9 dBu 275mV
Link In input level	-9 dBu 275mV	-9 dBu 275mV	-9 dBu 275mV
Frequency response (-3 dB)	60-18.000 Hz	60-15.000 Hz	60-15.000 Hz
Rating power distortion @ 1 KHz	< 1%	< 1%	< 1%
SN Ratio Micro	> 62dB	> 62dB	> 62dB
SN Ratio Line	> 80dB	> 80dB	> 80dB
Power Requirements	AC 230V-50÷60Hz	AC 230V-50÷60Hz	AC 230V-50÷60Hz
Consumption	15VA	220VA	440VA
Dimensions (WxHxD)	482x88x255mm	482x88x340mm	482x88x340mm
Weight - Net	4,2Kg	7,4Kg	8,7Kg

## Front Panel: Controls and Indicators



1. TREBLE – MICRO/LINE and AUX inputs Treble tone control
2. GAIN – MICRO/LINE and AUX inputs gain control
3. MIDDLE – MICRO/LINE and AUX inputs Middle tone control
4. BASS – MICRO/LINE and AUX inputs Bass tone control
5. LEVEL – MICRO/LINE and AUX inputs level control
6. LEVEL METER – Output signal level led indicator
7. ON – Power on led indicator
8. MASTER – Main level control
9. OPEN – Open inputs status led indicator
10. CLOSE – Close inputs status led indicator
11. GATE – Noise Gate activation threshold control
12. POWER – Power on switch

## Back Panel: Controls and Connectors



13. POWER OUT – Output connector for loudspeaker lines connection (Only for EV120P and EV240P)
14. BY-PASS – Feedback Suppressor exclusion switch
15. PROCESS ON – Feedback Suppressor activation status led indicator
16. OUTPUT LEVEL – Feedback Suppressor output signal level control
17. - / + – Feedback Suppressor signal shift frequency sum or subtraction selector
18. SHIFT FREQUENCY – Feedback Suppressor signal shift frequency control
19. MAINS – AC 230V power supply socket, with incorporated protection fuse
20. GND LIFT – Selector for the connection of the electric ground with chassis
21. PRE OUT – Mixed balanced output of the amplifier “PRE” section
22. MAIN IN – Unbalanced input of the amplifier power unit
23. EFFECT – Unbalanced In / out for external signal processor insertion
24. REC – Mixed stereo line output
25. AUX1 / AUX2 – Stereo line input
26. MICRO / LINE – Balanced input with variable sensitivity
27. PHANTOM 24V – 24V Phantom activation selector for CH1, CH2, CH3 and CH4 inputs