

Integrated Amplifiers

MAIN FEATURES

- 60W / 120W amplifier
- 1 XLR microphone input with Phantom power supply for desk microphones MBT 1101 series (RJ45, CAT5 SFTP cable)
- 1 MIC/LINE input with Phantom, MIC, or LINE selector
- 2 XLR balanced microphone inputs with Phantom power supply (MIC1 with A.P.T. adjustment)
- 2 AUX inputs for sound sources (TAPE/CD)
- Micro-switches for setting priorities and input functions
- Up to 8 desk microphones with cascade connection
- TEL/EMERG input for emergency calls with input level and activation threshold (A.P.T.) adjustment
- Line auxiliary output
- Loudspeakers line outputs (constant voltage 50-70-100V / low impedance 8 Ohm)
- Terminal strip for 24Vdc external power supply
- Terminal strip for precedence connection
- Warning signal (chime) level adjustment
- Selectable 230/115Vac and 24Vdc mains power supply



DESCRIPTION

These integrated mixer-amplifiers provide the perfect balance of flexibility, functionality and affordability. They combine basic mixer functionalities with a robust single-channel power amplification board. Engineered for versatility and cost-effectiveness, the MXA Series is composed of two models with a total power of 60W or 120W in either Hi-Z or Low-Z output configuration. With multiple mic/line inputs, basic tones and level management, and program selection, these amplifiers are designed to adapt to a variety of audio needs, from basic background music distribution to paging or even emergency purposes. The clean front panel featuring only essential controls makes them very intuitive to manage: volume controls are dedicated to each input channel, while the master volume, bass and treble controls and a power switch are dedicated to the main control.

TECHNICAL SPECIFICATIONS

GENERAL		MXA 1060	MXA 1120
Code		37638	37639
POWER SUPPLY			
230 / 115V mains power supply	W / VA	P: 130 / A: 150	P: 270 / A: 320
External DC power supply	V	100 / 70 / 50	100 / 70 / 50
MECHANICAL SPECIFICATIONS			
Net dimensions (WxHxD)	mm	430 x 88 x 234	430 x 88 x 234
	inch	16.9 x 3.5 x 9.2	16.9 x 3.5 x 9.2
Net weight	kg	6.50	9
	lb	14.33	19.84

TECHNICAL SPECIFICATIONS

		MXA 1060	MXA 1120
Rated output power	W	60	120
Constant voltage outputs	V	100 / 70 / 50	100 / 70 / 50
Low impedance outputs	Ohm	8	8
Distortion at reted power	%	<1	<1

TONE CONTROLS

Bass tones (@100Hz)	dB	± 10	± 10
Treble tones (@10Hz)	dB	± 10	± 10

MIC 1 INPUT

• Sensitivity	V	0.9m	0.9m
• Impedance	Ohm	900	900
• Frequency response	Hz	40 - 20k	40 - 20k
• S/N ratio	dB	>62	>62
• Phantom supply	V	17	17
• VOX activation threshold	V	5.4m	5.4m

MIC 2 INPUT

• Sensitivity	V	0.9m	0.9m
• Impedance	Ohm	900	900
• Frequency response	Hz	40 - 20k	40 - 20k
• S/N ratio	dB	>62	>62
• Phantom supply	V	17	17

MIC 3 / UNIT INPUT

• Sensitivity	V	MIC: 0.9m / UNITS: 290m	MIC: 0.9m / UNITS: 290m
• Impedance	Ohm	MIC: 900 / UNITS: 700k	MIC: 900 / UNITS: 700k
• Frequency response	Hz	MIC: 40 - 20k / UNITS: 40 - 20k	MIC: 40 - 20k / UNITS: 40 - 20k
• S/N ratio	dB	MIC: 62 / UNITS: 65	MIC: 62 / UNITS: 65
• Phantom supply	V	17	17

MIC 4 / LINE INPUT

• Sensitivity	V	MIC: 0.9m / LINE: 90m	MIC: 0.9m / LINE: 90m
• Impedance	Ohm	MIC: 900 / LINE: 50k	MIC: 900 / LINE: 50k
• Frequency response	Hz	MIC: 40 - 20k / LINE: 40 - 20k	MIC: 40 - 20k / LINE: 40 - 20k
• S/N ratio	dB	MIC: 62 / LINE: 70	MIC: 62 / LINE: 70
• Phantom supply	V	17	17

AUXILIARY INPUTS

• CD sensitivity	V	450m	450m
• TAPE sensitivity	V	230m	230m
• Frequency response	Hz	35 - 20k	35 - 20k
• S/N ratio	dB	70	70

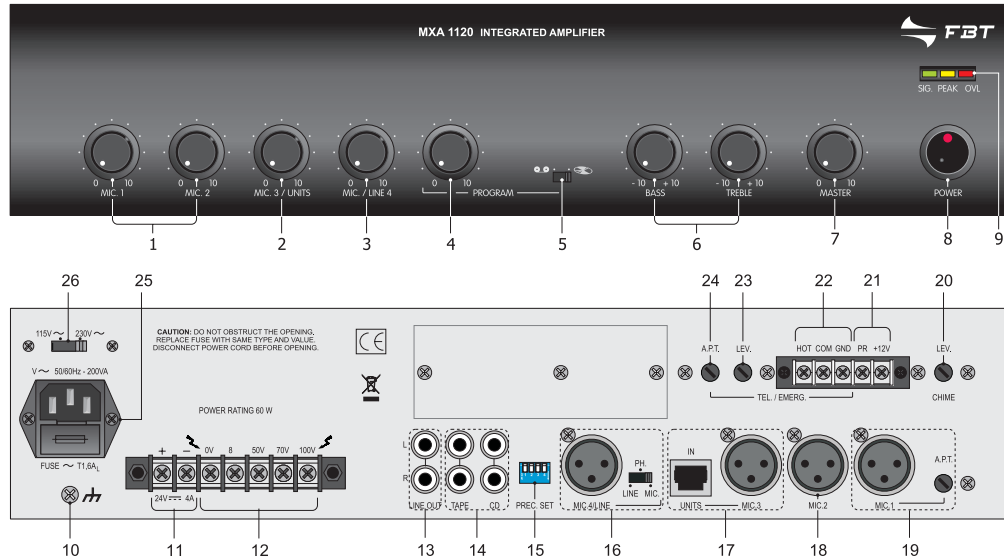
TELEPHONE INPUT

• Sensitivity	V	150m	150m
• Impedance	Ohm	6k	6k
• Frequency response	Hz	250 - 17k	250 - 17k
• S/N ratio	dB	72	72
• VOX activation threshold	V	73m	73m

SIGNAL OUTPUTS

Line OUT	V / Ohm	900m / 100	900m / 100
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CONTROLS & FUCTIONS



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|---|---|
| 1. Level control for microphone inputs | 15. DIP switches for making settings |
| 2. Microphone input / unit level control | 16. MIC/LINE input 4 and relevant mode selector switch |
| 3. Microphone input/line level control | 17. MIC 3/microphone station input |
| 4. Auxiliary input level control | 18. MIC 2 input |
| 5. Auxiliary input selector | 19. MIC 1 input and relevant VOX precedence activation threshold adjustment |
| 6. Tone controls | 20. Level control of warning signal |
| 7. General volume control | 21. Precedence connections |
| 8. Mains switch | 22. Emergency input from PABX |
| 9. Vu-Meter | 23. Telephone input level adjustment |
| 10. Frame connection | 24. TEL/EMERG input precedence activation threshold adjustment |
| 11. Terminal strip for external DC power supply | 25. Mains plug with built-in fuse |
| 12. Loudspeakers output terminal strip | 26. Mains voltage selector switch |
| 13. Line output | |
| 14. Auxiliary inputs | |