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Description:
The FP series amplifier is a 2U (less than 240W) mixer amplifier featuring 70V, 100V and 4-160hm speaker outputs & 4 universal balanced XLR mic inputs with phantom power. The amplifier rated power ranges is from 60W, 120W, 240W to 350W, 500W (3U). There are 4 audio source selectors on the front panel. 4 Aux inputs by dual RCA type are located on the rear panel. Mic 1-4 with Vox priority selectors. The amplifier is also built-in pre-announcement chime with volume control and remote chime trigger. The REC output for tape recorder and PRE output, AMP input for adding extra signal processor like mixer, graphic equalizer. Volume control over Mic1-4, aux, master & overall treble/bass controls are provided. Complete protection includes short circuit and thermal protection, current limiter and overloading.

Feature:

- * 2U tabletop and rack mounted design.

 * Rated power output from 60W, 120W, 240W, 350W and 500W.

 * 4 balanced XLR microphone inputs with phantom power and gain control.
- * 4 dual RCA line inputs.
- * 70V, 100V and 4-16 Ω speaker terminals.
- * Mic 1-4 with selectable priority over other inputs.

 * Built-in chime, 2/4 tone selector and remote trigger.
- * XLR balanced line output for extra power amplifier.
- * REC output for tape recorder.
- * PRE Output and AMP input for extra signal processor.
- * Master, Mic1-4, Aux volume control, treble and bass control.
 * Indications includes power and output level meter.

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- * AC 110V or 230V and DC 24V operation.

Optional:

- * DC 24V.
- * Panel with/without handhold.
- * Faults monitoring module, it can output short circuit signal to achieve main/spare amplifier switch.

Specifications:

Rated Power Output 60W 120W 240W Speaker Outputs 50V, 70V, 100V & 4~16Ω 10V, 10V & 4V &	Model	1-00FP	1-120FP	1-240FP
Input Sensitivity & Impedance AMP: 1000mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mV/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE I	Rated Power Output	60W	120W	240W
AMP: 1000mW/10KΩ, Unbalanced RCA input TAPE, CD, TUNER, LINE INPUT(AUX): 350mW/10KΩ, Unbalanced RCA inputOutput Sensitivity & ImpedanceREC OUT: 1000mW/470Ω, Unbalanced RCA outputPRE OUT: 1000mW/470Ω, Unbalanced RCA outputOverloadMIC 1, 2, 3, 4: >15dBElectromotive ForceAUX: >18dBToneBass: ±10dB at 100Hz, Treble: ±10dB at 10KHzFrequency Response50Hz~16KHz (+1dB, -3dB)S/N RatioMIC 1, 2, 3, 4: 66dB; AUX: 76dBTHDLess than 0.1% at 1KHz, 1/3 rated powerMuting FunctionMIC 1~4 overrides other input signals with 30 dB attenuation Set the priority for MIC1~4 by the "MIC PRIORITY" switch on the rare panel (Priority function available when it is "ON", the priority will be on lower level same as AUX input when it is "OFF")Gain Control±2.5mV~±75mV at 30dBCrosstalk550dBPhantom Power+48V with LED indicatorChime2 tone and 4 tone optionsCoolingFan automatically start up when temp reaches 55°C (Equipment below 120W will convect and cool button-up)ProtectionHigh temp, overload & short-circuitPower Supply~110V-230V 50/60HzPower Consumption100W200W400WDimensions484 x 303 x 88mm483 x 358 x 88mmWeight8.08Kg9.36Kg9.36Kg13.52Kg	Speaker Outputs	50V, 70V, 100V & 4~16Ω		
Overload MIC 1, 2, 3, 4:>15dB Electromotive Force AUX:>18dB Frequency Response 50Hz~16KHz (+1dB, -3dB) S/N Ratio MIC 1, 2, 3, 4: 66dB; AUX: 76dB S/N Ratio MIC 1, 2, 3, 4: 66dB; AUX: 76dB Muting Function MIC 1, 2, 3, 4: 66dB; AUX: 76dB Frequency Response 50Hz~16KHz (+1dB, -3dB) S/N Ratio MIC 1, 2, 3, 4: 66dB; AUX: 76dB Frequency Response MIC 1, 2, 3, 4: 66dB; AUX: 76dB Withing Function MIC 1, 2, 3, 4: 66dB; AUX: 76dB Frequency Response Muting Function MIC 1, 2, 3, 4: 66dB; AUX: 76dB Frequency Response Muting Function MIC 1, 2, 3, 4: 66dB; AUX: 76dB Fleet Micro Micr	Input Sensitivity & Impedance	• • • • • • • • • • • • • • • • • • • •		
Electromotive Force AUX: >18dB Tone Bass: ±10dB at 100Hz, Treble: ±10dB at 10KHz Frequency Response 50Hz~16KHz (+1dB, -3dB) S/N Ratio MIC 1, 2, 3, 4: 66dB; AUX: 76dB Less than 0.1% at 1KHz, 1/3 rated power Muting Function MIC 1~4 overrides other input signals with 30 dB attenuation Set the priority for MIC1~4 by the "MIC PRIORITY" switch on the rare panel (Priority function available when it is "ON", the priority will be on lower level same as AUX input when it is "OFF") Crosstalk 550dB Phantom Power 448V with LED indicator Chime 2 tone and 4 tone options Cooling Fan automatically start up when temp reaches 55°C (Equipment below 120W will convect and cool button-up) Protection High temp, overload & short-circuit Power Supply 7110V-230V 50/60Hz Power Consumption 100W 200W 400W 400W 13.52Kg Pinish Panel: aluminum plate, black	Output Sensitivity & Impedance			
Tone Bass: ±10dB at 100Hz, Treble: ±10dB at 10KHz Frequency Response 50Hz~16KHz (±1dB, -3dB) S/N Ratio MIC 1, 2, 3, 4: 66dB; AUX: 76dB THD Less than 0.1% at 1KHz, 1/3 rated power Muting Function MIC 1~4 overrides other input signals with 30 dB attenuation Set the priority for MIC1~4 by the "MIC PRIORITY" switch on the rare panel (Priority function available when it is "ON", the priority will be on lower level same as AUX input when it is "OFF") Gain Control ±2.5mV~±75mV at 30dB Crosstalk ≤50dB Phantom Power +48V with LED indicator Chime 2 tone and 4 tone options Cooling Fan automatically start up when temp reaches 55°C (Equipment below 120W will convect and cool button-up) Protection High temp, overload & short-circuit Power Supply ~110V-230V 50/60Hz Power Consumption 100W 200W 400W Dimensions 484 x 303 x 88mm 483 x 358 x 88mm Weight 8.08Kg 9.36Kg 13.52Kg Finish Panel: aluminum plate, black	Overload	MIC 1, 2, 3, 4: >15dB		
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Crosstalk ≤50dB Phantom Power +48V with LED indicator Chime 2 tone and 4 tone options Cooling Fan automatically start up when temp reaches 55°C (Equipment below 120W will convect and cool button-up) Protection High temp, overload & short-circuit Power Supply ~110V-230V 50/60Hz Power Consumption 100W 200W 400W Dimensions 484 x 303 x 88mm 483 x 358 x 88mm Weight 8.08Kg 9.36Kg 13.52Kg Finish Panel: aluminum plate, black				
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Power Consumption 100W 200W 400W Dimensions 484 x 303 x 88mm 483 x 358 x 88mm Weight 8.08Kg 9.36Kg 13.52Kg Finish Panel: aluminum plate, black	Protection			
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Weight 8.08Kg 9.36Kg 13.52Kg Finish Panel: aluminum plate, black	Power Consumption	100W	200W	400W
Finish Panel: aluminum plate, black	Dimensions	484 x 303 x 88mm		483 x 358 x 88mm
	Weight	8.08Kg	9.36Kg	13.52Kg
	Finish			

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