

## PRODUCT SHEET & SPECIFICATIONS

# n.FORM™ MIXER AMPLIFIER

MODEL APFR-M120



### FUNCTION

The APFR-M120 mixer amplifier is designed for background music and paging applications. The APFR-M120 features 5-channels and a power rating of 120 watts. The front panel features an intuitive set of controls with level dials for each channel. The rear is fitted with removable euroblock connectors and DIP switches for easy programming.

### FEATURES & CAPABILITIES

- + Compact five channel Mixer-Amplifier for paging, background music distribution.
- + All inputs/outputs with removable terminal blocks allow quick and easy installation.
- + Any of five inputs assignable to MOH/ZONE 2 output.
- + RCA pin jacks for LINES 2 & 3.
- + Phantom Power (+ 24V DC) incorporated for MIC input.
- + Rear panel-mounted DIP switches allow easy configuring of settings.
- + Provides auto/manual mute function with adjustable muting sensitivity.
- + Incorporates Remote volume control connection.
- + 2-channel broadcast capability together with zone 2 expansion capability.
- + Tamper-proof, front-panel bass and treble controls are recessed to protect their settings.
- + Thermal protection circuitry prevents potential damage from excessive heat build-up.
- + AC Mains Circuit Breaker.
- + Accessory security knobs for volume control prevent unauthorized volume setting changes.

### DIMENSIONS / FINISH

- + 10.39 × 3.71 × 10.52" (264 × 94.3 × 267.3mm)
- + Panel: ABS resin, black/Case: Steel plate, black, paint

### WEIGHT / RATED POWER OUTAGE

- + 13.23 lb (6kg) / 120 Watts

### POWER CONSUMPTION

- + 265W (rated output), 120 W (based on cULus standards) Power Source: 120 VAC, 60Hz

### INPUT

- + Mic: -60dB, 600 Ω, electronically balanced, removable terminal block.
- Line 1: -10dB/ TEL: -20dB
- Line 1/TEL selectable, 10 kΩ, electronically balanced, removable terminal block
- Line 2, 3: -10dB, 10 kΩ, unbalanced, removable terminal block and RCA jacks Module

### OUTPUT REGULATION

- + 2dB or less, no load to full load (1k Hz)

### MUTING

- + Manual mute/Automatic mute

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### CONTROL

+ Mic gain control, Line 1/TEL gain control, Line 2 gain control, Line 3 gain control, Module: gain control, Bass tone control, Treble tone control, MOH out gain control, Mute control (Manual mute), Remote volume control, Mute sensitivity control, Line 1/TEL selector switch, Phantom power switch (Mic), Auto mute switch (Mic, Line 1/TEL, Module), Mute receive switch (Mic, Line 1/TEL, Line 2, 3, Module), MOH assign switch (Mic, Line 1/TEL, Line 2, 3, Module), Power ON/OFF switch

### PHANTOM POWER

+ On/Off switch for Mic, +24V DC

### SIGNAL TO NOISE RATIO

+ Mic: 60 dB or more, Line 1/TEL, Line 2, 3, Module: 75 dB or more (Band Pass: 20 Hz - 20 kHz, Tone Controls: Centered)

### OPERATING TEMPERATURE/HUMIDITY

+ 0°C to 40 °C (32°F to 104 °F) / 35% to 80% RH (no condensation)

### INDICATORS

+ Power LED, Signal level LED, Peak LED

### INPUT

+ Mic: -60dB, 600Ω, electronically balanced, removable terminal block  
+ Line 1: -10 dB\*/TEL: -20dB  
+ Line 1/TEL: selectable, 10kΩ, electronically balanced, removable terminal block  
+ Line 2, 3: -10 dB, 10 kΩ, unbalanced, removable terminal block or RCA jack Module

### OUTPUT

+ Speaker Output 4 Ω, 25 V (18 Ω), 70 V (140 Ω)  
4 Ω, 25 V (10 Ω), 70 V (83 Ω) 4 Ω, 25 V(5.2Ω), 70 V (42Ω) Balanced, removable terminal block  
+ MOH Output 0 dB\*, 600 Ω, balanced, removable terminal block  
+ Line Output 0 dB\*, 600 Ω, unbalanced, removable terminal block

### TOTAL HARMONIC DISTORTION

+ 0.5% or less, at 1 kHz, rated output

### tone control

+ Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz