

## PRODUCT SHEET & SPECIFICATIONS

# n.FORM™ MIXER AMPLIFIER

MODELS APFR-M35 / APFR-M60



### FUNCTION

The APFR-M35 & APFR-M60 are designed to operate as the front end to any commercial audio system in background music (BGM), foreground music, paging applications and more. The mixer amplifiers feature 5-channels and a power rating of 60 watts, with 2-zone operation allowing for separate programming in 2 discrete zones. 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/ foreground music distribution and music/messaging-on-hold.
- + All inputs/outputs with removable terminal blocks allow quick and easy installation.
- + Any of five inputs assignable to MOH/ZONE 2 output.
- + Phantom Power (+ 24V DC) incorporated for MIC input.
- + Rear panel-mounted DIP switches allow easy configuring of settings.
- + Tamper-proof, front-panel bass and treble controls are recessed to protect their settings.
- + Incorporates Remote volume control connection.
- + Thermal protection circuitry prevents potential damage from excessive heat build-up.
- + UL/CUL listed

### DIMENSIONS / FINISH

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

### WEIGHT / RATED OUTPUT

- + APFR-M35: 5.3 kg / 35W
- + APFR-M60: 5.3kg / 60W

### POWER CONSUMPTION

- + APFR-M35- 94 W (rated output), 50 W (based on cULus standards) Power Source: 120 VAC, 60H
- + APFR-M60- 163 W (rated output), 80 W (based on cULus standards) Power Source: 120 VAC, 60Hz

### FREQUENCY RESPONSE

- + 50Hz - 20kHz

### S/N RATIO

- + Mic/Line 1: 60 dB or more/Line 2, 3: 80 dB or more

### 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

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### OUTPUT REGULATION

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

### MUTING

+ Manual Mute/Automatic Mute

### 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 sense 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

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

### 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

+ Speaker: 4 Ω, 25V (10 Ω), 70V (83 Ω), balanced, removable terminal block  
+ MOH: 0dB, 600 Ω, balanced, removable terminal block  
+ Line: 0dB, 600 Ω, unbalanced, removable terminal block

### POWER SOURCE

+20 V AC, 60 Hz

### TOTAL HARMONIC DISTORTION

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

### TONE CONTROL

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

### INDICATORS

+ Power LED, Signal level LED, Peak LED