

AMPLIFIER

PRODUCT SHEET & SPECIFICATIONS

AMPLIFIER

(MODELS: APFR-20,
APFR-35)



- DESCRIPTION

The APFR-20 & APFR-35 are equipped with 1 Mic/Line input and 2 Line inputs and also includes an MOH Out. For installation ease, the rear-mounted terminal blocks are removable. DIP switches are provided to enable quick settings.

- FEATURES AND CAPABILITIES

- + Affordable and compact amplifiers designed for background music and paging applications.
- + Tamper-proof bass and treble controls preserve system settings.
- + Security knobs for volume control included.
- + Thermal protection circuits against overheating.
- + Meets UL/cUL regulations.
- + Any of 3 inputs can be assigned to MOH/ZONE 2 output.
- + LINE 2/3 outputs equipped with RCA pin jacks.
- + Automatic Mute sensing control to set mute activation threshold and manual mute function.
- + Removable terminal blocks and rear-mounted DIP switches for fast and easy installation/setup

AMPLIFIER

Model

APFR-20
APFR-35

AMPLIFIER 20W & 35WW

– DIMENSIONS

+ 210 (W) × 94.3 (H) × 265 (D)mm (8.27" × 3.71" × 10.43")

– WEIGHT

+ APFR-20: 3.5 kg

+ APFR-35: 4 kg

– RATED OUTPUT

+ APFR-20: 20 W

+ APFR-35: 35 W

– POWER CONSUMPTION

+ APFR-20: 60W (rated output), 36 W (based on cULus standards)

+ APFR-35: 90 W (rated output), 55 W (based on cULus standards)

– FREQUENCY RESPONSE

+ 50 Hz – 20k Hz

– INPUT

+ Mic.: -60 dB*/Line 1: -10 dB

Mic/Line 1 selectable, 600Ω,
electronically balanced, removable

terminal block Line 2, 3: -10 dB*, 10 kΩ,
unbalanced, removable terminal block or RCA jack

– OUTPUT

+ APFR-20 & APFR-35: 4 Ω, 25 V (31 Ω) and 70 V (245 Ω) balanced,
removable terminal block

+ APFR-35: MOH:0 dB*, 600 Ω, balanced, removable
terminal block

+ APFR-35: Line:0 dB*, 600 Ω, unbalanced, removable
terminal block

– OUTPUT REGULATION

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

– S/N RATIO

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

– POWER SOURCE

+ 20 V AC, 60 Hz

– TOTAL HARMONIC DISTORTION

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

– TONE CONTROL

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

– CONTROL

+ Mic/Line 1 gain control, Line 2 gain control, Line 3
gain control, Bass tone control, Treble tone control,
MOH out gain control, Mute control
(Manual mute), Mute sense control, Auto mute switch
(Mic/Line 1), Mic /Line 1 selector switch, Mute
receive switch (Line 2, 3), assign switch (Mic/ Line 1,
Line 2, 3), Power ON/OFF switch

– INDICATORS

+ Power LED, Signal level LED, Peak LED

– OPERATING TEMPERATURE

+ 0°C to 40 °C (32°F to 104 °F)

– OPERATING HUMIDITY

+ 35% to 80% RH (no condensation)

– FINISH

+ Panel: ABS resin, black/Case: Steel plate, black, paint