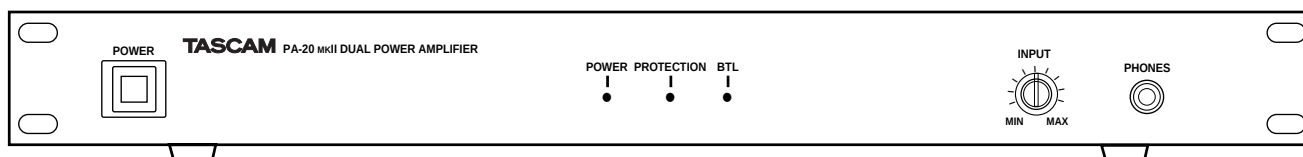


PA-20 mkII



Front Panel-PA-20 mkII

Every recording or project studio needs at least one set of nearfield monitors for critical listening. And so, every studio needs to power them with a reliable, clean-sounding power amp that won't add distortion to the incoming signal. The TASCAM PA-20 mkII fills the bill with reliable, high-performance audio power amplification for nearfield studio monitoring and other low-level sound reinforcement applications. With its dual power, switchable stereo/mono design, it excels in control room and recording booth applications, whether it's powering single speakers, stereo pairs or bridged series.

Like every TASCAM product, the PA-20 mkII is built to last, and provides years of trouble-free service. It combines a rugged power transformer and quality semiconductor circuitry with a convection-cooled heatsink that dissipates heat during marathon listening sessions.

Accepts Balanced & Unbalanced Input

For maximum flexibility, the PA-20 mkII is equipped with both XLR balanced and RCA unbalanced input connectors, so it accepts signal from any commonly used studio equipment. The back-panel inputs are optimized for +4 dBm and -10 dBV levels, respectively, minimizing gain staging to a single, front panel sensitivity control. Nearby are well-labeled speaker wire terminals that make it easy to correctly set up for mono or stereo use. Setup is fast, easy and problem free.

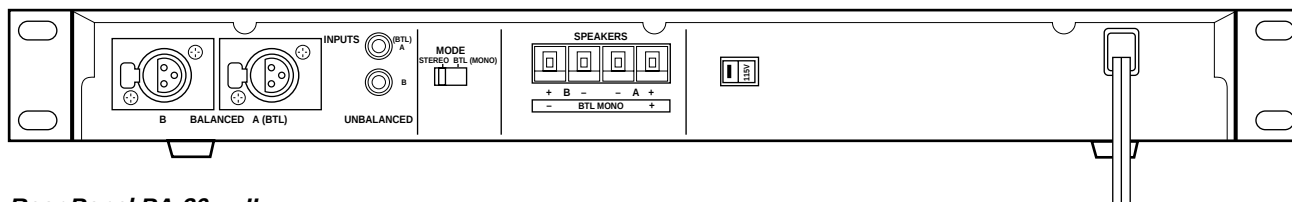
Dual Power Means Added Flexibility

For stereo nearfield monitoring, the PA-20 mkII pumps 25 watts per side of continuous power for flat response, accurate reproduction all through the audible spectrum, from 20 Hz to 20 kHz. Total Harmonic Distortion is minimized to 0.05%. For higher-rated speakers and high-powered mono applications, the PA-20 mkII is easily converted to deliver 50 Watts into 8 ohms. Just switch to bridged BTL (Balanced Transformerless) mode with one rear panel switch, and reconnect the speaker wires. Sound quality is still almost faultless, at 0.008% Total Harmonic Distortion.

Protects Speakers Against Damage

The PA-20 mkII features multiple, resettable electronic protection circuits to guard against destructive turn-on transients, output overload, DC offsets and output shorts. Bright LEDs on the front of the unit light up whenever the protection circuits are engaged, so that on-going problems can be identified and rectified.

- BTL indicator lamp ensures you know whether you're in stereo or bridged mono mode
- Protection mode lamp lights whenever PA-20 mkII is protecting your speakers are getting during power-down and voltage irregularities
- Control input sensitivity (and indirectly, how much signal your speakers are pumping) with one control
- Accepts balanced XLR or 1/4" input jacks
- Connect your speaker wires for stereo or bridged mono use
- One switch toggles between 25W stereo and 50W BTL output



Rear Panel-PA-20 mkII

SPECIFICATIONS

Output power at 8 ohms, (1 kHz)
 25 Watts minimum RMS per channel in stereo mode,
 both channels driven
 50 Watts minimum RMS in BTL (monophonic mode)

Total Harmonic Distortion
 0.05% (25 Watts, 8 ohms, Stereo mode)
 0.008% (50 Watts, 8 ohms, BTL mode)

Intermodulation Distortion:
 Less than 0.2%, 70 Hz : 7 KHz (4:1)

Frequency Response
 20 Hz to 20 kHz, +0/-1 dB at rated power output

Damping Factor:
 80 minimum, 8 ohm load, 20 Hz to 20 kHz

Input Impedance and Sensitivity:
 -10 dBV (0.3 V RMS) for rated output,
 15 kohm unbalanced at RCA input
 +4 dBu (1.23 V RMS) for rated output, 40 kohm
 balanced at XLR input

Hum and Noise: 85 dB below rated output

Minimum Load
 Impedance: 8 ohms per channel,
 Stereo mode
 8 ohms, BTL mode

Protection Circuits: DC balance voltage protector
 Electronic output power
 overload protector

Semiconductor
 Complement: 9 transistors, 7 diodes,
 2 integrated
 circuits, 3 LEDs

Power Requirements: 115/230 volts, 50/60 Hz, AC
 switchable, 9 Watts at idle, 90
 Watts at rated output
 Weight: 9-14/16 lbs. (4.5 kg)

Specifications and features subject to change without
 notice or obligation.

0 dBV is referenced to 1 volt RMS
 0 dBu is referenced to 0.775 volt RMS



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