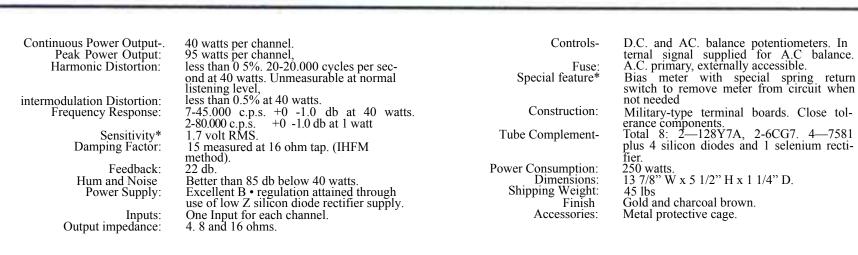
Technical Notes and Specifications



cial switch.

Accessories: Optional wooden enclosure



The Citation





Stereophonic Preamplifier Control Center



- Separate bass and treble step-type tone controls for each channel. Controls electrically out of the circuit when in the flat position. This eliminates phase shift and transient distortion inherent in all tone controls.
- Special scratch filter contained in treble cut positions for sharp roll-off without ringing.
- Each amplification stage is surrounded with a feedback loop and is flat over an extremely wide range.
- Unmeasurable distortion and phase shift. •
- D.C. on all heaters and the use of low noise resistors in the critical places to reduce thermal agitation and hum.
- Anode follower output insures extended low frequency response by ineluding the output coupling condenser in the feedback loop.

- Chassis designed to permit easy accessibility to all • connections.
- Preamplifier can be easily installed into a cabinet by merely sliding chassis in from the front. Escutcheon remains fastened to chassis eliminating the need to mount it separately to the front panel.
- Eighteen stages utilizing nine dual triodcs.
- Six silicon diodes provide unexcelled B + and filament regulation.
- Separate turnover and roll-off equalization controls for virtually any combination of record or tape playback equalization curves.
- Continuously variable blend control acting as a center channel gain control or as a crossfeed control if a center speaker is not used.
- Żero to infinity balance control offering full range and complete cut-off for either speaker.
- Illuminated Rotary on/off switch.
- Military construction throughout for rigidity and professional appearance.
- Beautifully styled in charcoal brown anti gold.

The Citation I. .. Price \$164.95 Factory Wired . . . Price \$251.95 Walnut Enclosure, WC1. .. Price \$30.95

the **C**itation II

120 Watt Stereophonic High Fidelity Power Amplifier



- Extended frequency response. Two octaves above and below the normal range of hearing for smooth transparent sound.
- Absolutely stable with any load.
- Bias Meter to adjust individually the plate current of each KT8S for proper balance and lowest distortion. This insures optimum performance even after aging of the output tubes.
- Output transformers designed to exacting professional specifications.



- Delivers 60 watts each channel from 18-40,000 c.p.s. with less than 0.5% distortion. Can be operated as 120 watt monophonic amplifier.
- Use of video output pentodes in all low level stages for exceptional wide frequency response and low distortion.
- Output stage consists of two KT88's per channel conservatively operated in fixed bias, distributed load circuit.
- Multiple feedback loops for increased degree of usable feedback (30db overall) to lower distortion without sacrificing stability.
- Power supply consists of four silicon diode rectifiers, choke, heavy duty electrolytics and potted power transformer for superi» regulation and long life.

- High power output at the extreme ends of the frequency range enables the amplifier to effortlessly drive any of today's inefficient speakers at any power level. High power rating insures flawless, transparent reproduction at low listening levels.
- Military construction represented by rigid component terminal boards for ease of construction, strength and neat appearance. Special cable harness and components of professional quality.
- Handsomely styled in gold and charcoal brown.

The Citation Il . . . Price \$169.95 Factory Wired . . . Price \$239.95 Metal Enclosure. ACll ... Price \$7.95



The citation- III is the world's most sensitive tuner. Designed in the magnificent Citation tradition, this superb instrument offers specifications and performance never before achieved.

- Double-tuned antenna circuit transitionally coupled to first RF stage.
- First RF comprised of Nuvistor for lowest noise figure obtainable.
- Preassembled and factory aligned RF stage, mixer, oscillator, AFC and three IF's assure proper alignment without the need for special instrumentation.
- Tuning gangs specially designed for outstanding selectivity and elimination of stray capacitance and inductance.
- Cathode follower inserted between discriminator and deemphasis network to provide constant high impedance loading and eliminate distortion.
- Two separate D'Arsonval movement tuning meters for signal strength and center of the channel tuning. Meters are used for the alignment of the front end, discriminator and limiters.
- Wide band IF limiters and discriminator assure excellent capture ratio with virtually non-existent distortion.
- Defcatable AFC with regulated voltage supply to maintain absolute oscillator stability regardless of line voltage variation.
- Front panel volume control.
- Front panel squelch with defeat switch.
- Two 6BN6 gated-beam limiters assure exceptionally high capture ratio, greater quieting, lower distortion and a completely uniform audio output of all signals.
- Local /distance switch.
- Military-type terminal board construction for rigidity, strength, proper lead dress anti professional appearance.
- Audio range 3 octaves above and below range of normal human hearing.
- Special provision to accommodate all multiplex adapters. Front panel is specially designed to accept multiplex operating controls at a future date.
- Magnificently styled in gold and charcoal brown to match all of the Citation instruments.

The Citation III... Price \$154.95 Factory Wired ... Price \$234.95 Walnut Enclosure, WCI... Price \$30.95







THE CITATION IV

Stereophonic Preamplifier Control Center



The NEW CITATION IV is a compact stereophonic preamplifier designed in the best Citation tradition. It offers performance and features rivaled only by the famous Citation I.

- Separate bass and treble tone controls for each channel. Controls may be switched out of the circuit completely to eliminate phase shift and transient distortion inherent in all tone controls.
- Each amplification stage is surrounded with a feedback loop and is flat over an extremely wide frequency range.
- Special rumble and scratch filters to effectively remove turntable and record noise without introducing distortion or ringing.

- D.C. on all heaters and the use of low noise resistors in critical places to reduce thermal agitation and hum.
- Distortion and phase shift virtually non-existent at rated output.
- Continuously variable blend control to obtain center "fill" as required. Completely out of the circuit in the zero position.
- Illuminated push-button On/Off switch permits preamplifier to be turned on and off without upsetting careful setting of operating controls.
- Third channel amplifier output.
- Separate switches for Tape Monitor and Contour.
- Zero to infinity balance control allows complete cut-off for either speaker.
- Feedback pair output stage for low output impedance with extended frequency response and minimum distortion.
- Military-type terminal board construction for rigid, professional appearance. Phenolic terminal boards are thick and are of the highest quality.
- Beautifully styled in charcoal brown and gold.

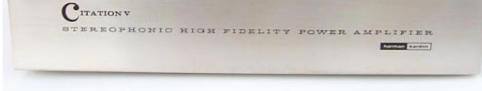
The Citation IV . . . Price SI22.95 Factory Wired .. . Price \$192.95 Walnut Enclosure. WC1. . . Price \$30.95

THE CITATION V



80 Watt Stereophonic Basic Power Amplifier

- Frequency response extends two octaves above and below the normal range of hearing to insure perfect square wave response at all frequencies.
- Absolutely stable with any type of load.
- Specially designed output transformers with resonant frequency above 200 KC.
- Power supply consists of four silicon diodes (hermetically sealed) and heavy duty electrolytics for superb B '
 regulation and long life. This results in instantaneous recovery time and superb transient response.



THE CITATION v is a smaller version of the powerful Citation II. This magnificent new basic power amplifier has every worthwhile feature required for superb stereophonic reproduction.

- Conservatively rated at 10 watts RMS per channel with 95 watt peaks at less than 0.5% distortion.
- Clips clean without breakup.
- Can be operated as an 80 watt monophonic amplifier.
- Output stage consists of two 7581's per channel operating conservatively in fixed bias, ultra-balance circuit.

- Bias meter to statically and dynamically adjust each pair of 7581 output tubes.
- Maximum power output at the extreme ends of the frequency range enables the amplifier to effortlessly drive any of today's inefficient speakers.
- Military construction represented by rigid component terminal boards for case of construction, strength and neat appearance.
- Handsomely styled in charcoal brown and gold.

The Citation V... Price \$124.95 Factory Wired... Price \$184.95 Metal Enclosure, ACV... Price \$7.95

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harman/kardon[®]

WANT TO RELAX TO BEAUTIFUL MUSIC WELCOME WE HAVE GOOD HIFI AT YOUR SERVICE PLEASE WAIT HERE & A MEMBER OF OUR TEAM WILL BE WITH

YOU SHORTLY. Or press finger HERE ent are to a free

