Nikko Audio

For those who take their stereo seriously.

The Nikko Philosophy

Nikko Electric Corporation, headquartered in Tokyo, Japan, is one of the world's largest manufacturers of electrical apparatus and circuit breakers. Forty-three years of experience with electrical equipment has placed Nikko in the forefront in the development of outstanding electrical and electronic devices.

Outstanding Products

From the very beginning, Nikko engineers recognized the unlimited potential of the transistor. They saw in this tiny electronic device a practical way to bring superb sound reproduction into the contemporary home. Accurate sound. Reliable sound. Sensibly priced sound capable of taking full advantage of today's dynamic recordings. The strength of that belief led Nikko to introduce the audio industry's first solid state high fidelity components specifically designed for home music reproduction.

Since that time, Nikko has been constantly involved in solid state research and development with only one goal in mind: to create quality products for home and professional designed to deliver the highest performance per dollar available. The skillfully crafted Nikko Audio components shown in this catalog are the result of that dedication.

Outstanding Features

The state-of-the-art in designing solid state electronics has advanced dramatically in recent years, yet Nikko remains in the forefront. Few products available to the discerning audiophile and professional contain as many advanced features as found on the majority of Nikko receivers.

Exclusive Circuit Breakers

Most other stereo receivers on the market have a protection device (usually a fuse) to guard the unit from electrical malfunction. Nikko uses a resettable breaker which eliminates the need for spare fuses. To correct the problem on most receivers, merely reset the breakers by flipping a switch.

Oversized Flywheel

Every Nikko receiver is equipped with an oversized flywheel for easier and more accurate tuning, enabling the user to dial directly on the station with a minimum of finger movement.

Phase Linear Ceramic Filters

All Nikko receivers have this feature which provides superb selectivity to minimize phase distortion over the widest frequency bandwidth. This means the receiver will efficiently separate strong stations from weak stations even if adjacent to each other on the dial.

Phase-Lock-Loop Multiplex Circuit

This is used in the FM multiplex section and assures stability, low distortion and maximum stereo separation. The circuit constantly measures degrees of distortion and separation — holding the phase at "0" for maximum performance and protection against FM drifting. The circuit is present on all Nikko receivers.

Direct Coupled OCL Pure Complementary Power Amplifier

This feature, found on all Nikko receivers, provides for extended frequency response and wide power bandwidth (or range) to achieve constant true high fidelity power amplification.

Quadrature Detector

This circuit, in most Nikko receivers, insures the least amount of distortion and the best reception on all frequencies by locking in on the strongest part of the signal.

Receivers

NR-1415 AM/FM Stereo Receiver

Nikko Audio's top-of-the-line receiver features 175 watts per channel, continuous power output, minimum RMS, both channels driven from 15Hz to 20kHz, with no more than 0.045% total harmonic distortion. It is a unit designed for superior performance and reliability. The NR-1415 also has a phase-lock-loop FM multiplex circuit, phase linear ceramic filters, and a pop noise cancellation circuit which eliminates the "click" or "thump" heard when most receivers are turned on. High gain and high performance IC's are used throughout the NR-1415's circuitry to minimize noise levels and offer "quiet" operation.

Features include on/off toggle switch, 3-way speaker switching, separate bass, midrange and treble tone controls for sound flexibility, tone defeat switching, stereo/mono switching and loudness switching, volume master control calibrated in dB's, FM/tape noise reduction switching, and two-position tape dubbing.

Additional features include 5-position function switching, two phono inputs, audio muting, high/low filters, balance control, mic jack input, microphone mixing, circuit protection, function LED indicators, signal strength and center tuning meters.

NR-1015 AM/FM Stereo Receiver

The NR-1015 delivers 85 watts per channel, continuous power output, minimum RMS per channel, both channels driven from 20Hz to 20kHz into 8 ohms, with no more than 0.05% total harmonic distortion.

The NR-1015 features a direct coupled pure complementary power amplification circuit, which insures maximum high fidelity power amplification. The NR-1015 has a phase-lock-loop FM multiplex circuit to assure low distortion, stability and maximum stereo separation.

Features include three speaker system switching, high and low filters, separate bass and treble tone controls, loudness switch, click stop master volume control, 5-function tape switching, -20dB audio muting, stereo/mono switching, 5-way function selector, balance control, mic jack input, microphone mixing, LED protection circuit indicator, signal strength and center tuning meters, and LED function indicators.

Performance is outstanding with FM sensitivity measured at 1.8μV and selectivity at 80dB. FM image rejection is 80dB. Stereo separation is 45dB. AM signal-to-noise is 50dB and image rejection specification is 45dB.

NR-815 AM/FM Stereo Receiver

The NR-815 delivers 55 watts per channel, continuous power output, minimum RMS per channel, both channels driven from 20Hz to 20kHz into 8 ohms, with no more than 0.07% total harmonic distortion.

The NR-815 features a direct-coupled pure complementary power amplification circuit for constant high fidelity amplification. In the FM section, a phase-lock-loop multiplex circuit assures stability, low distortion, and maximum stereo separation while a quadrature detector maximizes reception on all frequencies. Phase linear ceramic filters used throughout minimize phase distortion over the widest frequency bandwidth.

Features include dual speaker system switching, high and low filters, separate bass and treble tone controls, loudness switch, click stop master volume control, 5-function tape switching, stereo/mono switching, 5-way function selector, balance control, microphone jack input, signal strength, center tuning meters and LED function indicators.

Performance is outstanding with FM sensitivity measured at 1.8μV, and selectivity at 80dB. FM image rejection is 80dB while FM stereo separation is 45dB.

NR-715 AM/FM Stereo Receiver

The NR-715 delivers 38 watts per channel, continuous power output, minimum RMS into 8 ohms, both channels driven from 20Hz to 20kHz, with no more than 0.2% total harmonic distortion.

The NR-715 is built to provide low distortion, adequate power and reliability, as well as many hours of trouble-free music listening. Included in the NR-715's circuitry is a direct coupled OCL pure complementary power amplification section with high gain equalization IC for the equalization amplifier section (for extended frequency response and low noise and distortion).

Features include dual speaker control, separate bass and treble controls, high filter, loudness switch, mono function switch, volume control, balance control, four-position function selector, FM muting, and tape monitor function switching.

Performance is exceptional with an FM sensitivity of 2.0μV, FM selectivity of 75dB, FM image rejection of 55dB, and a 45dB FM stereo separation. On the AM side, signal-to-noise is 50dB while image rejection is 45dB.

NR-615 AM/FM Stereo Receiver

The NR-615 delivers 28 watts per channel, continuous power output, minimum RMS into 8 ohms, both channels driven from 20Hz to 20kHz, with no more than 0.3% total harmonic distortion.

Everything about the NR-615 was created to provide excellent performance, sufficient power, clarity of signal and total reliability. Included in the NR-615's circuitry is a direct coupled OCL pure complementary power amplification section and high gain IC's for the equalization amplifier section. They provide extended frequency response and minimal noise and distortion.

Features include dual speaker control, separate bass and treble controls, loudness switch, mono function switch, volume control, balance control, 4-position function selector, FM muting and tape monitor function switching. The unit also has an easy to read center tuning meter.

Performance is exceptional, with an FM sensitivity of 2.0μV, FM selectivity of 75dB, FM image rejection of 55dB, and a 45dB FM stereo separation. On the AM side, signal-to-noise is 50dB, while image rejection is also 45dB.

NR-515 AM/FM Stereo Receiver

The NR-515 delivers 18 watts per channel, minimum RMS per channel, both channels driven into 8 ohms from 20Hz to 20kHz, with no more than 0.5% total harmonic distortion.

The reliable and accurate NR-515 is loaded with features that will provide a maximum of listening enjoyment. Included are phase-lock-loop, FM multiplex circuitry, and a high performance IC in the AM section and phase linear ceramic filters provide low distortion, maximum stereo separation, low noise and extreme stability.

Other features include two-speaker switching, separate bass and treble controls, balance control, volume control, loudness, mono, and tape monitor switching. Additional features include 4-way function selector, a large oversized center tuning meter, and Nikko's own exclusive circuit breakers.

The NR-515 is an able performer. FM sensitivity is a usable 2.2μV; FM selectivity is 55dB while image rejection is 55dB. Stereo separation is 40dB (at 1kHz). AM signal-to-noise and image rejection figures are both 45dB. The NR-515 is built to rigid specifications and provides a maximum of sound for a reasonable price.

NR-315 AM/FM Stereo Receiver

The NR-315 delivers 10 watts per channel, minimum RMS per channel, both channels driven into 8 ohms from 40Hz to 20kHz, with no more than 0.8% total harmonic distortion.

Although the smallest of the Nikko Audio receivers, this unit continues the Nikko Audio tradition of superb engineering and high quality. Included are the phase-lock-loop FM multiplex circuitry and high performance IC in the AM section for low noise, low distortion and maximum stereo separation. Phase linear ceramic filters are used throughout to reduce distortion.

Features include single speaker output, separate bass and treble controls, balance control, volume control, loudness, and tape monitor switching. Additional features include a 4-way function selector, large oversized center tuning meter, headphone jack, and Nikko's own exclusive circuit breakers for protection.

The Nikko Audio NR-315 is a big performer. FM sensitivity is a usable 2.2μV. FM selectivity is 50dB, while FM image rejection is an accurate 50dB. Stereo separation is 40dB (at 1kHz). AM signal-to-noise and image rejection figures are both 45dB.

RECEIVER SPECIFICATIONS	NR-1415	NR-1015	NR-815	NR-715	NR-615	NR-515	NR-315
FM TUNER SECTION	Normal/Narrow						
Sensitivity (IHF) Stereo µV	1.7/2.0	1.8	1.8	2.0	2.0	2.2	2.2
Selectivity, Alt. Channel	65/85	80	80	75	75	55	50
Image Rejection	110	80	80	55	55	55	50
IF Rejection	120	100	100	80	80	75	70
Harmonic Distortion (Stereo) 65dBF Harmonic Distortion (Mono) 65dBF	0.15/0.2 0.07/0.1	0.3 0.1	0.3 0.1	0.3 0.15	0.3 0.15	0.6 0.3	1.0 0.5
Stereo Separation @ 1kHz	50	45	45	45	45	40	40
Capture Ratio	1.0/1.5	1.0	1.0	1.5	1.5	2.0	3.0
AM TUNER SECTION							
Selectivity ±10kHz	50	35	35	35	35	30	25
Image Rejection	75	45	45	45	45	45	45
IF Rejection	70	40	40	40	40	35	35
Signal-to-Noise Ratio	50	50	50	50	50	45	45

RECEIVER SPECIFICATIONS	NR-1415	NR-1015	NR-815	NR-715	NR-615	NR-515	NR-315
POWER/AMPLIFIER SECTION							
Minimum RMS watts per channel, both channels driven, into 8 ohms, rated power bandwidth	175	85	55	38	28	18	10
Total Harmonic Distortion	0.045	0.05	0.07	0.2	0.3	0.5	0.8
Frequency Response (Hz to kHz)	15-20	20-20	20-20	20-20	20-20	20-20	40-20
Input/Output Control							
IF Band Selector	X	0	0	0	0	0	0
Phono	X (Phono 1 & 2)	X	X	X	X	X	X
Aux	X	X	X	X	X	X	X
Mic/Front Jack	X (Mix)	X (Mix)	X	0	0	0	0
Tape Monitor	X	X	X	X	X	X	X
Tape 1 & 2 with dubbing	X	X	X	0	0	0	0
FM Muting	X	X	X	X	X	0	0
Low filter	X	X	X	0	0	0	0

RECEIVER SPECIFICATIONS	NR-1415	NR-1015	NR-815	NR-715	NR-615	NR-515	NR-315
High filter	X	X	X	X	0	0	0
Tone Defeat	X	X	X	0	0	0	0
Speakers A, B, A+B	0	X	X	X	X	X	0
Speakers A, B, C, A+B, A+C	X	0	0	0	0	0	0
Signal Strength Meter	X	X	X	0	0	0	0
Center Tuning Meter	X	X	X	X	X	X	X
Loudness Compensation	X	X	X	X	X	X	X
LED Selector Indicators	X	X	X	0	0	0	0
300 OHM & 75 OHM Antenna	X	X	X	X	X	X	X
AC Outlets	X	X	X	X	X	X	X
Headphone Jack	X	X	X	X	X	X	X
Patented Circuit breakers	0	0	0	X	X	X	X
Direct Coupled OCL pure complementary power amplifier	X	X	X	X	X	0	0
Phase-Lock-Loop MPX	X	X	X	X	X	X	X

RECEIVER SPECIFICATIONS	NR-1415	NR-1015	NR-815	NR-715	NR-615	NR-515	NR-315
Quadrature Detector	0	X	X	X	X	0	0
Phase Linear Ceramic Filter	X	X	X	X	X	X	X
High Performance IC for AM	X	X	X	X	X	X	X
FM Linear Dial Scale	X	X	X	X	X	X	X
Pop Noise Cancel Time Delay Circuit	X	X	X	0	0	0	0
High Gain IC for EQ Amp	0	0	0	X	X	0	0
NFB Type Tone Circuit	X	X	X	X	X	0	0
Noise Reduction Adapter	X	0	0	0	0	0	0
LED Protector Indicator	X	X	0	0	0	0	0
Audio Muting	X	X	0	0	0	0	0
Cabiner and champagne colored brushed aluminum front panel	X	X	X	X	X	X	X
Dimensions (WHD in inches)	22"x7¾"x20"	20⅜"x 6¾"x 16¼"	20⅜"x 6¾"x 16¼"	18⅞"x 6⅛"x 13¾"	18⅞"x 6⅛"x 13¾"	17 5/16"x 5 5/16"x 11 13/16"	17 5/16"x 5 5/16"x 11 13/16"
Weight (lbs)	58	36.5	31.2	21.1	21	14.7	13

Separates

NT-850 AM/FM Stereo Tuner

Features abound in the NT-850 Stereo Tuner from Nikko Audio—a switchable (normal/narrow) IF band, dual gate MOS-FET front end section, multipath switching, 4 FM and 2 AM variable capacitors, FM quadrature detector, and phase-lock-loop multiplex circuitry insure low distortion, signal stability, maximum stereo separation and outstanding reception.

FM specifications include a high (IHF) sensitivity of 1.8μV, (IHF) selectivity of 65dB/90dB (normal/narrow), high signal-to-noise ratio of 75dB in mono, and 70dB in stereo. Total harmonic distortion is a low 0.08%/0.2% (normal/narrow), mono or 0.15%/0.4% (normal/narrow), in stereo. Capture ratio is 1.0dB/1.5dB (normal/narrow).

The AM section has a selectivity of 35dB, a 50dB signal-to-noise ratio, 50dB image rejection, and a 40dB IF rejection factor. The result is sharp, clean, low distortion radio listening. AM sensitivity is 300μV (ferrite antenna) and 18μV on exterior antenna hook up.

Dimensions are 5¾"H x 15¾"W x 13½"D. The front panel has a modern brushed aluminum face plate with recessed, easy-to-read tuning dial and large signal strength and center tuning meters.

(Custom walnut veneer cabiners are available for the NA-850/NT-850 combinations.)

NA-850 Integrated Stereo Amplifier

The NA-850 delivers 60 watts, continuous power output, minimum RMS per channel, both channels driven into 8 ohms from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Features on the NA-850 include two large VU meters, two system speaker control, separate bass/treble controls, tone defeat, subsonic filter (-3dB at 7Hz) for reducing turntable rumble, high filter, loudness switching, 3-position function switching, 5-position tape control, balance control and variable VU meter control. Additional features include a special speaker protection circuit and Nikko's exclusive circuit breakers.

The NA-850 provides outstanding performance. Specifications include a low intermodulation distortion level of 0.08%. Input sensitivity/impedance of 2.2mV/47K ohms for phono 1 and 2, 150mV/50K ohms for aux, tuner and tape. Hum and noise figures are -75dB for phonos and -95dB for aux, tuner and tape.

The NA-850 is finished with a modern brushed aluminum front panel. Dimensions are 5¾"H x 15¼"W x 12¼"D. The NA-850 weighs 20 pounds and operates on 120V/60Hz AC current.

(Custom walnut veneer cabinets are available for the NA-850/NT-850 combinations.)

NT-550 FM/AM Stereo Tuner

The NT-550 FM/AM stereo tuner has a dual gate FET front end section, along with multipath and Hi-Blend switching to eliminate interstation noise for a clear and "locked-in" FM signal.

Three FM and two AM variable capacitors, FM quadrature detector, and phase-lock-loop circuitry are also part of the NT-550. These advanced engineering developments contribute to the NT-550's low distortion, high signal stability and maximum FM stereo separation.

FM section specifications include a usable sensitivity of 1.9 μV (at 10.8dBf in mono), 50dB quieting sensitivity of 16dBf/34dBf (mono/stereo), signal-to-noise ratio at 65dBf of 72dB/68dB (mono/stereo) and THD at 65dBf of 0.1%/0.2% (mono/stereo). Capture ratio is 1dB. Stereo separation at 1kHz is 45dB and at 50Hz to 10kHz is 30dB.

The large flywheel tuning knob and center tuning meter make for easy and precise tuning.

Dimensions for the NT-550 are 5-3/4"H x 15-3/4"W x 13-1/2"D.

NA-550 Integrated Stereo Amplifier

The NA-550 delivers 45 watts, continuous power output, both channels driven, minimum RMS per channel into 8 ohms from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

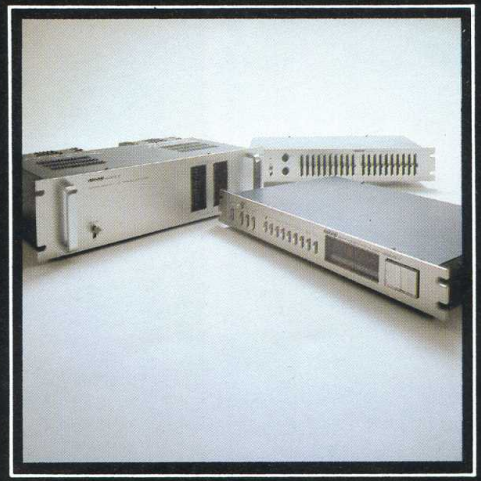
Features on the NA-550 include two large VU meters, two system speaker control, separate bass/treble controls, infinitely variable VU meter control, high filter, loudness switching, 3-position function switching, 5-position tape control and balance control. Additional features include a special speaker protection circuit and Nikko's exclusive circuit breakers.

The NA-550 provides outstanding performance. Specifications include a low intermodulation distortion level of 0.08%. Input sensitivity/impedance is 2.2mV/47K ohms for phono 1 and 2 and 150mV/50K ohms for aux, tuner and tape. Hum and noise figures are -75dB for phonos and -95dB for aux, tuner and tape.

The NA-550 features a brushed aluminum front panel.

Dimensions are 5¾"H x 15¼"W x 12¼"D. The NA-550 weighs 18 pounds and operates on 120V/60Hz AC current.

(Custom walnut veneer cabinets are available for the NA-550/NT- 550 combinations.)



Professionals Series

Alpha I Basic Stereo Power Amplifier

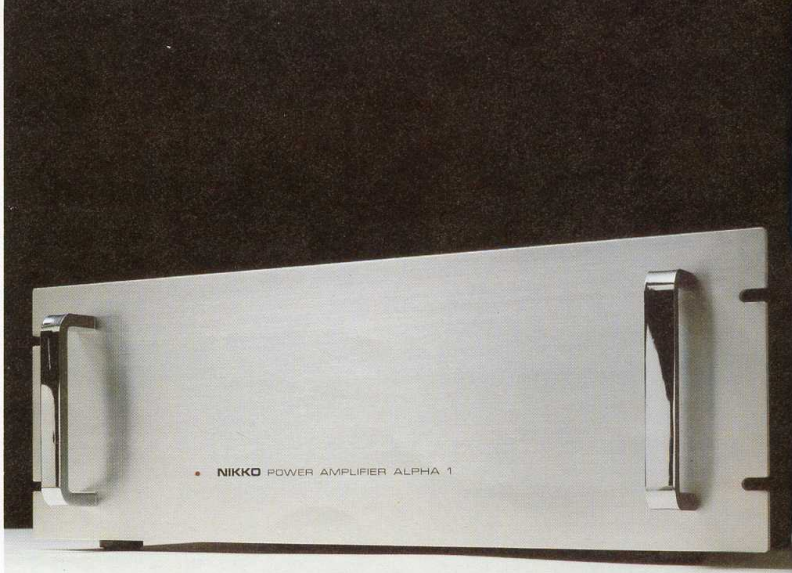
220 watts per channel, continuous power output, minimum RMS per channel into 8 ohms, from 20Hz to 20kHz, both channels driven with no more than 0.08% total harmonic distortion. Intermodulation distortion is also 0.08%.

Voltage amplification is accomplished by two differential amplifiers the first being a high-voltage resistant PNP low-noise transistor. Second stage amplification is accomplished by a NPN differential amplifier employing a current mirror design. The power amplification stage uses a 3-stage Darlington direct-coupled OCL, pure complementary quadruple push-pull circuit.

Frequency Response is from 10Hz to 100kHz (-1dB) with signal-to-noise rated at 100dB (IHF "A"). Input sensitivity is rated at 1.0V. The Alpha I also features "perfect protection" circuitry design.

Features include a brushed aluminum front panel designed to fit into standard 19-inch equipment racks and heavy chrome handles. Dimensions are 7"H x 19"W x 11½"D. The Alpha I weighs 50 pounds and operates on 120V/60Hz AC.

(Custom walnut veneer cabinets are available for the Alpha I/Beta 1/Gamma combination.)



Beta I Stereo Pre-Amplifier

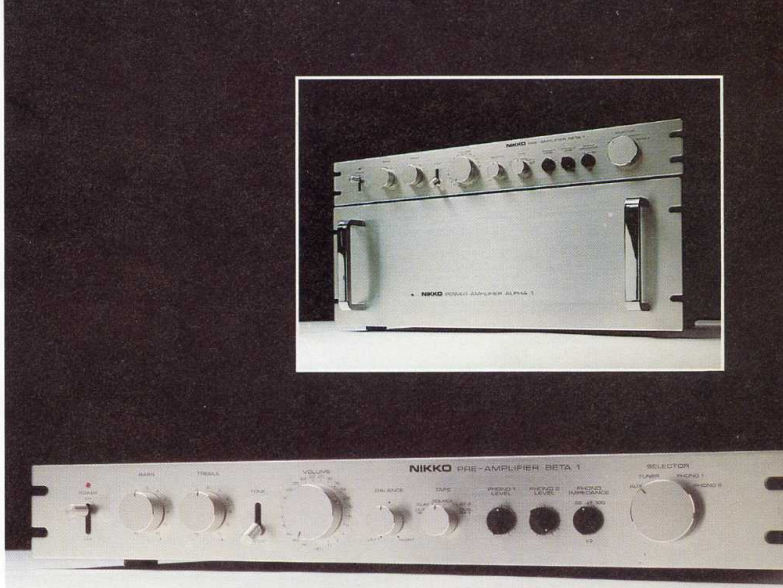
Circuitry for signal handling consists entirely of high-voltage FETs. Input equalizer circuitry and line amplifier are powered by independent, electronically regulated constant voltage supplies, which help to eliminate interference distortion. The Beta I has non-coupling input for better frequency response.

Input sensitivity for Phono is 2.0mV. Aux, tuner and tape input sensitivity is 100mV. Phono overload is 400mV. The hum and noise specification for phono is -72dB (IHF "A"); aux, tuner and tape are -100dB. Total harmonic distortion at rated output (1.0V) is 0.01% for phono. Frequency response is 20Hz to 20kHz (±0.1dB).

The Beta I features a slim-line design and will fit comfortably into a standard 19-inch equipment rack. Controls include an on/off toggle switch, click-stop bass and treble controls, tone defeat toggle switch, precision dual attenuator type master volume control with 42 position (dB) calibration, balance control, 5-position tape function switching, 3-way phono impedance switching, and dual phono level controls.

Dimensions are 2½"H x 19"W x 11½"D and the weight is 11.6 lbs. The Beta I operates on 120V/60Hz AC.

(Custom walnut veneer cabinets are available for the Beta I/Alpha I/Gamma I combination.)



Alpha II Stereo Power Amplifier

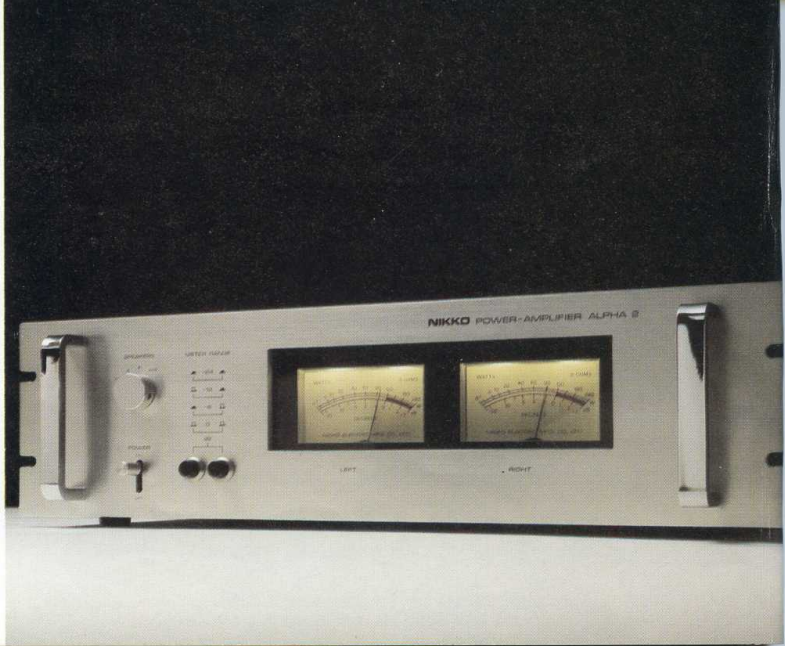
120 watts per channel, continuous power output, minimum RMS into 8 ohms from 20Hz to 20kHz, both channels driven, with no more than 0.03% total harmonic distortion. Intermodulation distortion is also 0.03%.

Each power supply on the Alpha II has dual filters to eliminate channel crosstalk and improved stereo separation. Circuitry in the differential amp section employs a current mirror design with a cascade circuit in the first stage for extra stability. The unit also features a "wide gap" protection circuit along with special speaker protection circuitry. Exterior heat sinks keep the Alpha II running cooler for additional stability and higher power handling capacity.

Two large, easy-to-read VU meters (Nikko-built), which provide visual monitoring of sound levels and the two speaker system operation (switchable), are features of the Alpha II. A 4-button dB range control (0, 6, 12 and 24dB) aids in setting meters to match speaker efficiency. Frequency response is 5Hz to 100kHz (+0dB, -1dB), with the signal-to-noise ratio measured at 115dB (IHF "A"). Dimensions: 5½"H x 19"W x 12⅞"D

The Alpha II is designed to fit into a standard 19-inch rack.

(Custom walnut veneer cabinets are available for the Alpha II/Beta II/ Gamma I combinations.)



Beta II Stereo Pre-Amplifier

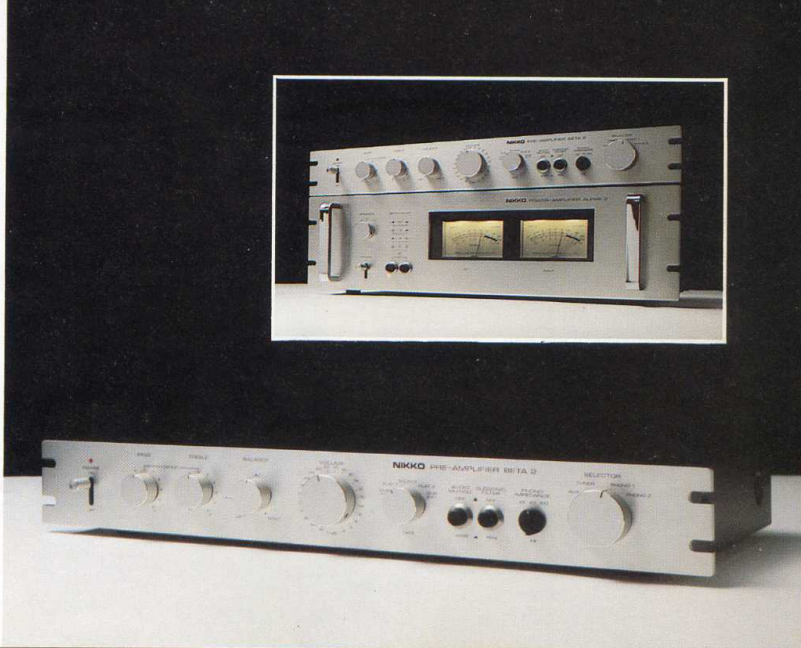
Input equalizer and line amplifier circuitry are powered by independently regulated constant voltage supply, which helps to eliminate interference distortion. The EQ amplifier circuit is only -0.2dB down (RIAA) with only 0.01% distortion.

Input sensitivity is 2.5mV for phono with aux and tuner sensitivity at 150mV. Signal-to-noise for phono is -80dB with tuner and aux at -100dB. Impedance is switchable on phono (22,47 and 100K ohms) and set at 50K ohms for tuner and aux. Output is 1.0V (rated), 8.0V (max).

Controls include toggle type off/on switching, bass and treble controls, -20dB audio muting switching, -12dB/Oct. (at 15Hz) switchable subsonic filter, precision dual-attenuator type master volume control with dB calibration, balance control, 5-position tape function switching, and dual phono level controls.

Dimensions are 2½"H x 19"W x 11½"D. The Beta II features a brushed aluminum front panel and is designed to fit into a standard 19-inch equipment rack. Weight: 10 pounds. Operates on 120V/60Hz AC.

(Custom walnut veneer cabinets are available for the Beta II/Alpha II/ Gamma I combinations.)



Alpha V Laboratory Standard, Dual Channel Class A Power Amplifier

The Alpha V produces 100 watts per channel, continuous power output, minimum RMS per channel into 8 ohms, from 20Hz to 20kHz, both channels driven, with no more than 0.06% total harmonic distortion.

The Alpha V features Class "A" circuitry for low distortion, high current output and extreme stability, plus switchable AC/DC amplification. The Alpha V also features Nikko's two large, easy-to-read VU meters. Connections to the Alpha V are made via professional XL connectors. A two-speed cooling fan keeps the unit operating at low temperatures.

Specifications for the Alpha V include a totally flat frequency response from 0Hz to 60kHz in DC operation. Intermodulation distortion is 0.06%, signal-to-noise is 110dB (IHF "A") and the damping factor is 60. Input sensitivity is 1.0V, while impedance is rated at 100K ohms.

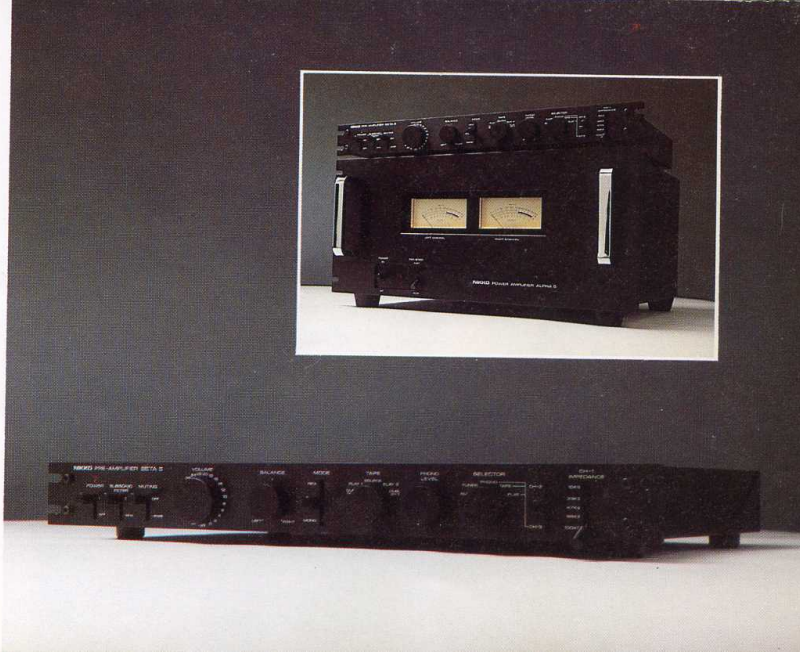
The Alpha V features a black metal front panel with handles and is designed to fit into a standard 19-inch equipment rack. Dimensions are 9"H x 19"W x 17"D. Weight: 60 pounds. The unit operates on 120V/60Hz AC current.

Beta V Stereo Pre-Amplifier

The Beta V features ultra slim-line design and outstanding features and specifications. Controls include an on/off toggle switch, 3-position mode switching (mono, stereo and reverse), precision dual attenuator type master volume control with dB calibration, balance control, 5-position tape function control, 5-way impedance switching (22, 33, 47, 68 and 100K ohms), 3-way capacitance switching, (-20dB) audio muting, dual phono control and subsonic filtering (-12dB at 16Hz).

Specifications include an input sensitivity of 2.0mV on phono 1 and 2 and 100mV for tuner and aux. Signal-to-noise ratio (IHF "A") on phono is 72dB, and for aux and tuner, 100dB. Rated output is 1.0 volt at 600 ohms. Total harmonic distortion is 0.01%.

The Beta V features a black front panel (matching the Alpha V stereo power amplifier) and can be easily fitted into any standard 19-inch equipment rack. Dimensions are 2"H x 19"W x 17"D. Weight is 10½ pounds. The unit can be used in conjunction with any power amplifier and runs on 120V/60Hz AC.



Gamma I Stereo FM Monitoring Tuner

The Gamma I Stereo FM Standard Broadcast Monitoring Tuner features a wide and narrow (switchable) IF stage for low distortion and high sensitivity. The unit also features a phase-lock-loop multiplexing circuit and adjustable output stage for low distortion and maximum separation. Dual gate MOS FET's are used in the front end section of the Gamma. They provide high performance characteristics including outstanding spurious signal rejection and image rejection.

Performance specifications include a sensitivity of 1.8μV, and a selectivity of 35dB (wide) and 85dB (narrow). Signal-to-noise is 78dB/72dB (m/s) and stereo separation is 50dB/40dB (w/n). Total harmonic distortion is 0.05%/0.08% (w/n) in mono and 0.08%/0.2% (w/n) in stereo. Capture ratio is 1.0dB. Spurious rejection ratio is 110dB. In total, the Gamma I is an ultra-sensitive tuner, with extremely stable circuitry that provides low distortion, outstanding separation and reliable performance. It is ideally suited to the Alpha I/Beta I and Alpha II/Beta II.

Dimensions for the Gamma I are 2½"H x 19"W x 9"D and, like all the Nikko Audio professional components, can be rack mounted in a standard 19-inch equipment rack.

(Custom walnut veneer cabinets are available for the Gamma I/Alpha I/Beta I and Gamma I/Alpha II/Beta II combinations.)

Alpha III Stereo Power Amplifier

Nikko Audio's Alpha III stereo power amplifier uses DC power MOS-FET's in the output stage. The characteristics of DC power MOS-FET's give the Alpha III smooth linearity, wide frequency response and high stability.

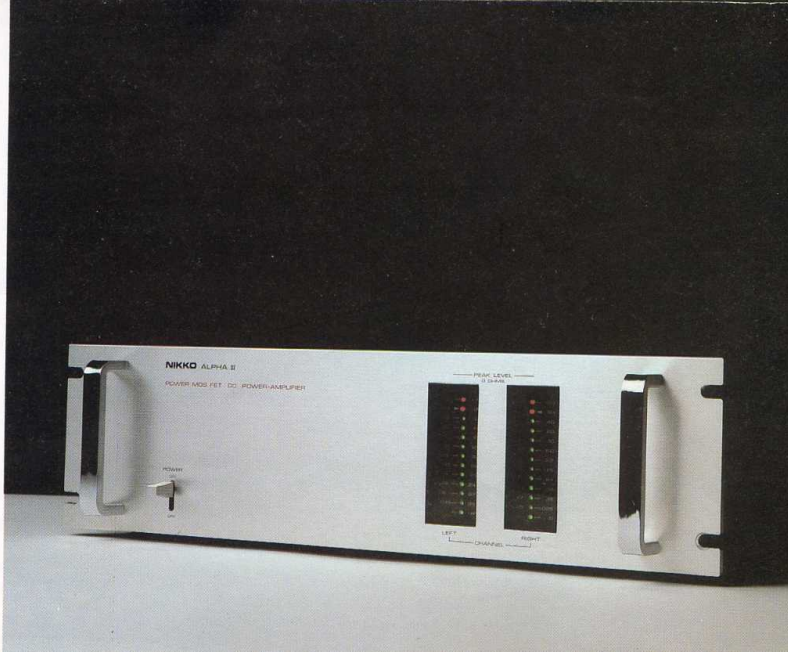
The specifications for the Alpha III are outstanding. Continuous minimum power output is 80 watts RMS per channel into 8 ohms, 20Hz to 20kHz, with no more than 0.006% Total Harmonic Distortion. (5 to 100kHz THD is 0.02%). Intermodulation distortion is no more than 0.01%. Signal-to-noise ratio (IHF A) is 110dB. Damping factor into an 8 ohm load is 80.

The Alpha III's unique LED front panel display provides instant and accurate monitoring of the power level of each channel.

True dual independent power supplies with two power transformers, two input systems (direct input and C-cut input) and wide gap protection relay are a part of the Alpha III's superior design.

Dimensions for the Alpha III are 5-1/8"H x 19"W x 11-9/16"D. The unit is rack mountable.

(Alpha III also available in matte black front panel.)



Gamma V Synthesized Digital FM Stereo Tuner

The Gamma V FM stereo tuner has an LED digital station frequency readout providing the most accurate tuning possible. Also included in the Gamma V's abundant offerings is both automatic and manual tuning.

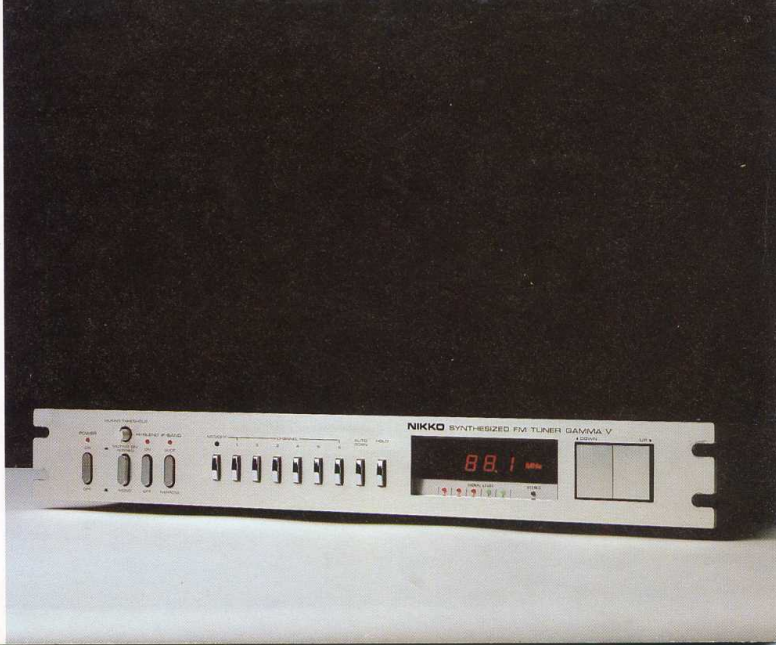
The Gamma V tuner is capable of memorizing up to six stations, which can be instantly recalled by pressing the appropriate front panel button.

Other controls include hi-blend switch, IF-band switch (wide or narrow), adjustable muting threshold, and power switch as well as stereo/mono switch. Signal strength is indicated by five LED's; stereo reception is also denoted by an LED.

Specifications for the Gamma V include sensitivity of 1.8 μV, signal-to-noise ratio (at 65dBf) of 78dB (mono) and 75dB (stereo). THD in mono is rated at 0.04% (wide) and 0.08% (narrow); in stereo it's 0.06% (wide) and 0.2% (narrow). Other specifications are a capture ratio of 1.0dB (wide) and 1.5dB (narrow). Stereo separation is 55dB (wide) and 45dB (narrow) at 1kHz, and 35dB (wide) and 32dB (narrow) at 50-10kHz.

Dimensions for the Gamma V are 2-1/2"H x 19"W x 11-5/8"D. The unit is rack mountable.

(Gamma V also available in matte black front panel.)



EQ I Graphic Equalizer

The thin line EQ I has 10 bands per channel for adjusting room acoustics to suit the user's needs. Each band has a ±12dB boost or cut range. Slider type controls have a detent stop at the zero position with five evenly spaced detent stops on the boost side and five on the cut side.

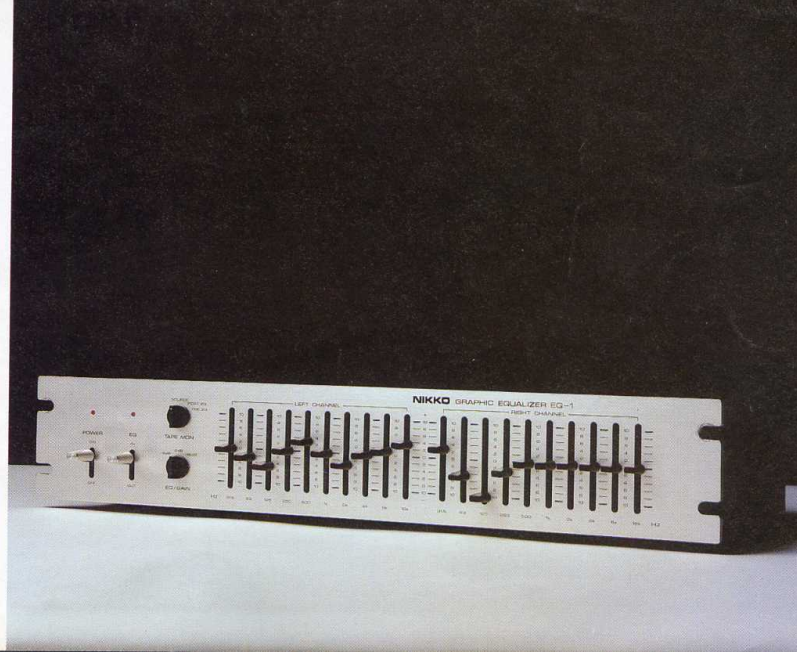
The highly accurate controls are specifically designed for fingertip gripping.

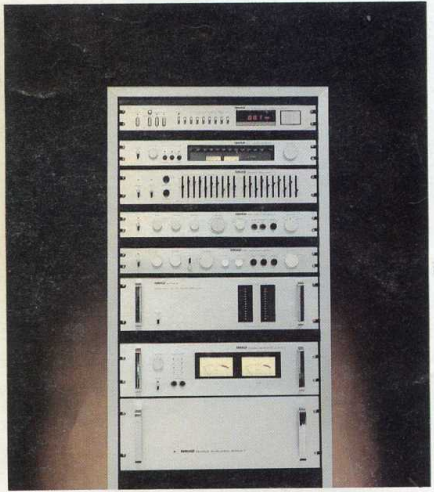
Boost or cut for each channel is at the following frequencies: 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, and 16kHz. Other specifications include a frequency response of 10Hz-50kHz (±1dB), THD of 0.006%, and signal-to-noise ratio of 105dB (IHF A). There is no insertion loss when connecting the EQ I to equipment.

Controls for the EQ I include a tape monitor switch, equalizer gain switch (-6dB, 0dB, +6dB), pre + post eq switch, plus an equalizer in/out switch and a power-on switch, both with LED indicators.

Dimensions are 3-1/3"H x 19"W x 9"D. The EQ I is rack mountable in a standard 19" equipment rack.

(EQ I also available in matte black front panel.)





Nikko Audio

Limited Warranty to all Retail Purchasers
of Nikko Hi Fi Equipment.

For three years from date of purchase, Nikko Electric Corporation of America will repair or replace any parts which fail to function properly because of defects in material or workmanship.

An exception to the warranty is a five year parts and labor warranty on the Alpha V and Beta V.

The Product to be repaired under this warranty must be delivered by purchaser either to an authorized Nikko dealer or to a Nikko General Warranty Station within the United States of America.

The warranty applies to the original purchase date and is valid, regardless of the number of owners the unit may acquire during its length of warranty.

Any owner must be able to verify proof of purchase when submitting the unit for service during its warranty period.

Excluded from this warranty are damages to the product caused by accident, abuse or misuse of the product by the dealer or any owner.

Nikko Audio's liability to any owner shall be to repair or replace any part or the product itself because of defects in workmanship and materials, and Nikko shall not be liable for any consequential damages as a result of defects in workmanship or materials.

This warranty grants specific legal rights in addition to those rights which vary from state to state.

Nikko Audio

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