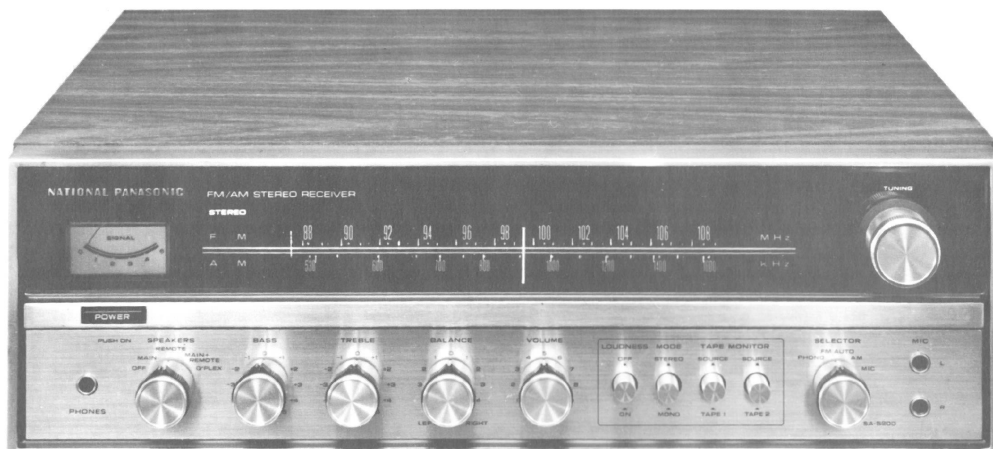


NATIONAL PANASONIC

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**SERVING
THE
MILITARY MARKET**



SA-5200

SA-5200

AM/FM Stereo Receiver with 4-Channel Matrix

The SA-5200 is a powerful and sensitive stereo receiver that can be converted to 4-channel with only the additional addition of two extra speakers. The easy way to go 4-channel!

Amplifier

Power output: 14 watts per channel (RMS) into 8 ohms
Frequency response: 10-50k Hz + 1, - 3dB
Signal-to-noise ratio: 70 dB (phono input)
Inputs: microphone, phono, tape playback (two)
Outputs: Headphones, speakers, line (two)
Features: Defeatable loudness circuit, two tape monitor circuits, remote speaker control, 4-channel matrix decoder (high level)

Tuner

Tuning ranges: Standard AM and FM (stereo)
Features: Stereo indicator, tuning meter, blackout dial

General

Accessories supplied: Cabinet
Power source: 110/120/220/240 volts, 50/60 Hz

SA-5800

AM/FM Stereo Receiver

The SA-5800 uses ICs and direct coupling to provide top-quality frequency response and power output. It's an excellent choice as a control center for any stereo system.

Amplifier

Music power: 100 watts into 4 ohms
75 watts into 8 ohms
RMS power: (each channel) 37/37 watts into 4 ohms
27/27 watts into 8 ohms
Frequency response: 15-65,000 Hz -3dB
Signal-to-noise ratio: 70 dB (phono input)
Inputs: Phono, auxiliary, tape

Outputs: Main speakers, remote speakers, two tape recorder, headphones

Features: Speaker muting control, high-frequency filter, two tape monitor circuits, defeatable loudness circuit

Tuner

Tuning ranges: Standard AM and FM (stereo)
Features: Tuning meter, stereo indicator, blackout dial

General

Accessories supplied: Cabinet
Power source: 110-240 volts, 50/60 Hz



SA-5800

SA-6500

AM/FM Stereo Receiver

Here's a top-of-the-line receiver with plenty of power to drive even very inefficient speaker systems. Of course, it's direct coupled so its high fidelity and exceptionally low distortion are to be expected.

Amplifier

Music power: 200 watts into 4 ohms
140 watts into 8 ohms
RMS power: 70/70 watts into 4 ohms
50/50 watts into 8 ohms

Frequency response: 15-65,000 Hz $\pm$ 3 dB
Signal-to-noise-ratio: 70 dB (phono input)

Inputs: Phono, auxiliary, tape recorder

Outputs: Main speakers, remote speakers, tape recorder, headphones

Features: Tape monitor circuit, high and low-frequency filters, defeatable loudness circuit, main/remote speaker switches

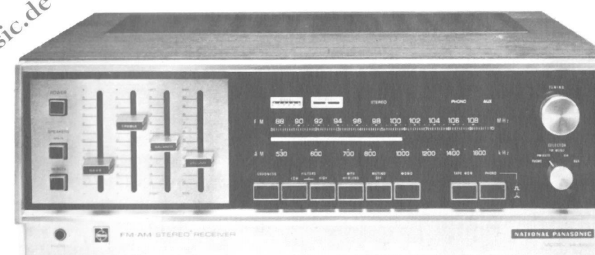
Tuner

Tuning ranges: Standard AM and FM (stereo)

Features: Tuning meter, signal-strength meter, stereo indicator, multiplex filter, defeatable inter-station muting, blackout dial

General

Accessories supplied: Cabinet
Power source: 110-240 volts, 50/60 Hz



SA-6500



SA-6400X

AM/FM-Stereo 4-channel Receiver

Here's a 4-channel receiver that's ready for anything. Its special AFD (Acoustic Field Dimension) circuit will decode any matrix material and there are provisions to plug in special decoders (for FM broadcasts, for instance), so the SA-6400X will never be out of date!

Amplifier

IHF Music power: 150 watts into 4 ohms
100 watts into 8 ohms

RMS power: 26/26/26/26 watts into 4 ohms
19/19/19/19 watts into 8 ohms

Frequency response: 20-50,000 Hz - 3 dB

Signal-to-noise ratio: 70 dB (phono input)

Inputs: Microphone, phono, auxiliary, tape recorder (three)

Outputs: Main speakers (4-ch), remote speakers (4-ch), headphones (4-ch), tape recorder (three 4-ch)

Features: AFD adjustable 4-channel matrix decoder, three 4-channel tape monitor circuits, defeatable loudness circuit, high-frequency filter, low-frequency filter

Tuner

Tuning ranges: Standard AM and FM (stereo)

Features: Tuning meter, stereo indicator, blackout dial, jack for 4-channel broadcast decoder

General

Accessories supplied: Cabinet
Power source: 110-240 volts, 50/60 Hz

SA-6400X

SA-6800X



SA-6800X

AM/FM-Stereo 4-channel Receiver

The SA-6800X really is the 4-channel master! Not only does it have National Panasonic's exclusive AFD adjustable matrix decoder, but it puts out a whopping 42 watts (RMS) in each of its four channels. It's for people who want to go first class all the way.

Amplifier

IHF Music power:

- 300 watts into 4 ohms
- 200 watts into 8 ohms

RMS power:

- 53/53/53/53 watts into 4 ohms
- 42/42/42/42 watts into 8 ohms

Frequency response:

- 20–50,000 Hz – 3 dB

Signal-to-noise ratio:

- 73 dB (phono input)

Inputs: Microphone, phono, auxiliary, tape recorder (three)

Outputs: Main speakers (4-ch), remote speakers (4-ch), headphones (4-ch), tape recorder (three 4-ch)

Features: AFD adjustable 4-channel matrix decoder, three 4-channel tape monitor circuits, defeatable loudness circuit, high and low-frequency filters, 4-channel orientation control

Tuner

Tuning ranges: Standard AM and FM (stereo)

Features: Tuning and signal-strength meters, stereo indicator, blackout dial, jack for 4-channel broadcast decoder

General

Accessories supplied: Cabinet

Power source:
110–240 volts, 50/60 Hz

ST-3400

AM/FM Stereo Tuner

The ST-3400 is a professional quality tuner designed for the discriminating audiophile who demands the very best performance. Its specially designed to be used with the National Panasonic SU-3400 integrated amplifier.

Tuning range: Standard AM and FM (stereo)

FM Section

IHF sensitivity: 1.7 μ V
Signal-to-noise ratio: 70 dB
Capture ratio: 1.5 dB
Selectivity: 65 dB
Harmonic distortion:
Mono 0.3 per cent
Stereo 0.5 per cent

AM Section

Sensitivity: 15 μ V
Selectivity: 30 dB

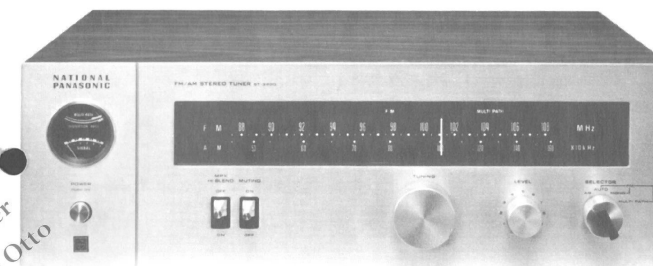
General

Features: Tuning and multipath meter, multiplex hi-blend circuit, interstation muting, blackout dial, output level control, stereo indicator, 4-channel broadcast decoder jack

Accessories supplied: Cabinet

Power source:

110–240 Volts, 50/60 Hz



ST-3400

SU-3400

Stereo Integrated Amplifier

The carefully controlled design and construction of this amplifier is responsible for its clean, distortion-free, ample output. The SU-3400 uses National Panasonic's famous Direct Coupled Circuitry to achieve the quality you need for really critical sound reproduction.

Power Amplifier

Power output: 35 watts per channel (RMS) into 8 ohms

Frequency response:

- 5–100k Hz –3dB

Harmonic distortion:

- Less than 0.2 per cent

Intermodulation distortion:

Pre-amplifier

Frequency response:

- 5–60k Hz –3 dB

Signal-to-noise ratio:

- 73 dB (phono input)



SU-3400

General

Features: Main and remote speaker outputs, two tape monitor circuits, defeatable loudness circuit, selectable bass and treble equalization frequencies

Accessories supplied: Cabinet

Power source:

110–240 volts, 50/60 Hz

RS-715US

3-Motor 4-Head Auto Reverse Stereo Tape Deck

The RS-715US is a professional quality deck with all the features found in studio-type machines — plus some features that can be found only on the RS-715US.

Speeds: Two (7½ and 3¾ ips)
Heads: Four (three extra-long life HPF heads)

Motors: Three (two reel motors, one capstan motor)

Frequency response:
20–25.000 Hz (30–22.000 Hz
± 3 dB)

Wow and flutter: Less than 0.085 per cent

Signal-to-noise ratio: Better than 53 dB

Inputs: Microphone, line
Outputs: Line, headphones

Control system: Completely solenoid controlled. Relay switching system with logic circuit to control command sequence

Features: Built-in mixer microphone/line, digital counter, automatic-reverse playback, low-noise/normal, tape selector, tape tension selector, tape/source monitor selector, two VU meters, microphone impedance selector

Power source:
110/115/125/220/250 volts,
50/60 Hz



RS-715US



RS-270USN

RS-270USN

Stereo Cassette Tape Deck

The National Panasonic RS-270US is a precision cassette deck designed to deliver performance well within modern high-fidelity standards. It incorporates a NS (noise suppressor) circuit to eliminate noise usually heard during blank portions of tape and can also handle the new low-noise tapes.

Frequency response:
30–13.000 Hz

Wow and flutter: Less than 0.3 per cent

Heads: Two

Motor: One electronic governor motor

Inputs: Microphone, auxiliary
Outputs: Line, headphones

Features: Digital tape counter with automatic memory rewind, two VU meters, NS (noise suppressor) circuit, low-noise/normal tape selector, push-button transport control, auto-stop mechanism

Power source:
100/115/125/220/240 volts,
50/60 Hz



RS-272USN

RS-272USN

Stereo Cassette Deck with Auto Reverse

The RS-272US plays both sides of a cassette automatically and with the clarity and full fidelity you expect from National Panasonic. It also has controls for chromium dioxide tapes and an auto-stop mechanism to prevent damage to your prized recordings.

Frequency response:
30–12.000 Hz (standard tape)
30–14.000 Hz (chromium dioxide tape)

Wow and flutter:
Less than 0.25 per cent

Signal-to-noise ratio:
Better than 45 dB

Inputs: Microphone auxiliary
Outputs: Line, headphones

Features: Automatic reverse playback, auto-stop mechanism, push-button transport controls, NS (noise suppressor) circuit to eliminate noise during blank portions of tape, chromium dioxide/normal tape selector, two VU meters, digital tape counter

Power source:
90–109/110–125/200–219/
220–250 volts, 50/60 Hz

RS-275USN

Stereo Cassette Tape Deck with Direct Drive and Solenoid Control
Only National Panasonic has it! Complete solenoid control in a cassette deck. True professional qualities that everyone has been waiting for are now available in the RS-275US.

Frequency response:
20–16.000 Hz (standard tape)
20–18.000 Hz (chromium dioxide tape)

Wow and flutter:
Less than 0.10 per cent

Signal-to-noise ratio:
Better than 50 dB

Heads: Special HPF extra-long life heads (two)

Motors: Two. Direct drive brushless capstan motor and separate transport motor

Control circuit: Completely solenoid controlled with feather-touch pushbuttons



RS-275USN

Inputs: Microphone, line
Outputs: Line, headphones
Features: NFD (noise free device) circuit to eliminate noise during blank portions of tape, chromium dioxide/normal tape

selector, memory rewind, digital counter, auto-stop mechanism, two VU meters
Power source:
90–109/110–125/200–219/
220–250 volts, 50/60 Hz



RS-276USN

RS-276USN

Stereo Cassette Tape Deck with Direct Drive, Solenoid Control and Dolby Noise Reduction System

Here, finally is a machine which can stand up face to face with the open-reel machines. A cassette deck with frequency response and low noise that was thought impossible to attain in a cassette unit. The RS-276USN is the professional's cassette deck.

Frequency response:
20–16.000 Hz (standard tape)
20–18.000 Hz (chromium dioxide tape)

Wow and flutter:
Less than 0.10 per cent
Signal-to-noise ratio:
Better than 50 dB (standard operation)
Better than 60 dB (Dolby operation)

Inputs: Microphone, line
Outputs: Line, headphones
Heads: Special HPF extra-long life heads (two)

Motors: Two. Direct drive brushless capstan motor and separate transport motor

Control circuit: Completely solenoid controlled with feather-touch pushbuttons
Features: Dolby noise reduction circuit, chromium dioxide/normal tape selector, digital tape counter, memory rewind, auto-stop mechanism, two VU meters, adjustable input and output levels
Power source:
90–250 volts, 50/60 Hz



RS-806US

RS-806US RS-253S

8-Track Stereo Cartridge Tape Deck

Record and playback your own stereo 8-track tape cartridges with this high quality, completely automatic unit. Special fast-forward mode allows quick program selection.

Wow and flutter:

Less than 0.20 per cent

Tape speed: 3 1/4 ips

Inputs: Microphone, line

Outputs: Line, headphones

Modes: Playback, record, fast forward, pause

Features: Two VU meters, programmable track selector, automatic eject

Power source:

110–220 volts, 50/60 Hz

Stereo Cassette Recorder With Built-in AM/FM-Stereo Tuner and Two Speakers

The National Panasonic RS-253S is a complete stereo system in an ultra-compact form centered around a high quality cassette tape recorder. It's full complement of inputs and outputs allows you to connect other components to expand your system.

Power output: 6 watts per channel (music power)

Cassette recorder: Stereo record/playback

Features: Two VU meters, auto-stop mechanism, push-button transport control, digital counter

Tuning ranges: Standard AM and FM (stereo) bands

Inputs: Microphone, phono

Outputs: Headphones, speakers, line

Speakers: 6 1/2-in. cone-type

Power source:

90–110/110–125/200–220/220–240 volts, 50/60 Hz

RS-2571S

Complete Stereo Cassette/Phono/FM/AM-FM-Stereo Compact System

This complete system has everything you need to enjoy stereo sound in your home — a sensitive AM/FM-stereo tuner, 4-speed record changer, stereo cassette recorder and two matched speakers with wooden grill. Everything perfectly matched for optimum performance.

Amplifier

Power input: 16 watts per channel (peak music power)

Inputs: Auxiliary input

Outputs: Speakers, headphones, line

Tuner

Tuning ranges: Standard AM and FM bands

Features: Defeatable AFC, black-out dial, stereo indicator

Record changer

Speeds: 16, 33, 45, 78 rpm

Cartridge: National Panasonic Magnistate

Stylus: Diamond

Cassette Recorder

Frequency response:

30–12k Hz (record-playback)

Features: Pushbutton controls, two VU meters, auto-stop mechanism

Speakers

Type: Two-way, acoustic suspension

Speaker elements: 6 1/2-in. woofer 2 1/2-in. tweeter

General

Finish: Walnut-finish wood cabinets

Accessories supplied: Plastic dust cover, two microphones

Power source:

90–250 volts, 50/60 Hz



RS-253S



RS-2571S

SG-1099L

Complete Stereo Phono/AM/LW/FM-Stereo Compact System

With it's hide-away turntable that lowers from sight when the cover is closed, this compact stereo system is one of the most distinctive available. Including matching speakers, record changer and an AM/FM-stereo, it's really a complete system.

Amplifier

Power output: 6.5 watts per channel RMS

Inputs: Auxiliary input

Outputs: Speakers, headphones, line

Tuner

Tuning ranges: Standard AM, FM (stereo) and LW (150–300 kHz)

Features: Defeatable AFC, black-out dial, stereo indicator

Record Changer

Speeds: 33, 45 and 78 rpm.

Cartridge: National Panasonic

Magnistate

Stylus: Diamond

Speakers

Type: Single-element, air suspension

Speaker element: 6 1/2-in. cone type

General

Finish: Walnut-finish wood cabinets

Power source:

110–220 volts, 50/60 Hz



SG-1099L

SG-1050L

Complete Stereo Cassette/Phono/FM/AM/LW/FM-Stereo Compact System

Small enough to go along anywhere, yet mighty enough to fill any room with sound, this versatile compact system has all the elements you need to enjoy any kind of music. It even has a 3-band tuner!

Amplifier

Power output:

10 watts per channel

(peak music power)

6 watts per channel (RMS)

Inputs: Microphone

Outputs: Speakers, headphones

Tuner

Tuning ranges: Standard AM and FM bands, LW (150–300 kHz)

Features: Defeatable AFC, black-out dial, stereo indicator

Record changer

Speeds: 33, 45 and 78 rpm

Cartridge: National Panasonic

Magnistate

Stylus: Diamond

Cassette recorder

Frequency response:

30–12.000 Hz (record-playback)

Features: Pushbutton controls, auto-stop mechanism, VU meter

Speakers

Type: Single-element, air-suspension

Speaker element: 6 1/2-in. cone-type

General

Finish: Rosewood

Accessories supplied: Plastic dust cover, microphone

Power source:

110/125/210/240 volts, 50/60 Hz



SG-1050L

SS-7000A

Complete 4-channel/Stereo Phono/AM/FM-Stereo Compact System

The SS-7000A offers the brilliance of 4-channel sound with any kind of material — stereo or 4-channel. Just add two more speakers and flip a switch to enjoy the thrill of 4-channel.

Amplifier

Frequency response: 25–25k Hz
Power output: 45 watts (IHF) in Quadraplex

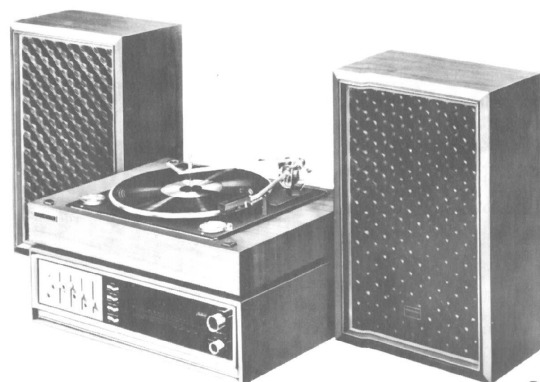
Inputs: Auxiliary, extra phono
Outputs: Speakers, line, head-phones

Features: Tape monitor, defeat-able loudness control, built-in 4-channel matrix decoder

Tuner

Tuning ranges: Standard AM and FM (stereo) bands

Features: Blackout tuning dial, stereo indicator



SS-7000A

Record changer

Speeds: 16, 33, 45, 78 rpm.

Cartridge: Magnetic

Stylus: Diamond

Speakers

Type: Two-way, air suspension

Speaker elements: 6½-in. woofer, 2-in. horn-type tweeter

General

Finish: Walnut-finish wood cabinets

Power source:

100–115/115–130/200–225/

225–250 volts, 50/60 Hz

Accessories supplied: Plastic dust cover

SL-1100

Direct Drive Record Player

Here is the turntable that is ahead of its time. A perfectly balanced unit driven by a direct drive, electronically-controlled motor resulting in fantastically good specifications.

Speeds: 33⅓ and 45 rpm.

Wow and flutter:

Less than 0.03 per cent

Rumble: Better than – 65 dB (DIN A), – 70 dB (DIN)

Tone arm: Counterbalanced with adjustable stylus pressure, viscous damped cuing device, anti-

skate device and plug-in cartridge shell.

Power supply:

110/120/220/240 volts, 50/60 Hz



SL-1100

SB-150

Bookshelf 2-Way Speaker System

This speaker system matches beautiful performance with beautiful appearance. A carved fretwork grill and a luxurious hand-polished teak finish combine to form a lovely piece of furniture. It will also match the model SS 7000.

Type: Two-way, two-speaker system in air suspension enclosure

Components: 6½-in. woofer and horn-type tweeter

Frequency response: 40–20k Hz

Maximum power input: 36 watts

Impedance: 8 ohms

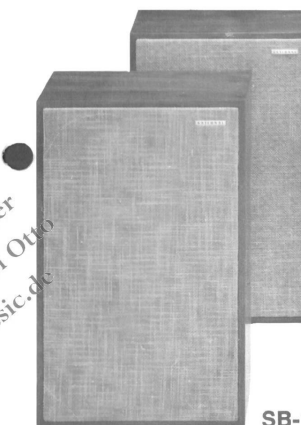
Size:

11⅞ (W) x 18⅞ (H) x 6⅞ (D) in.

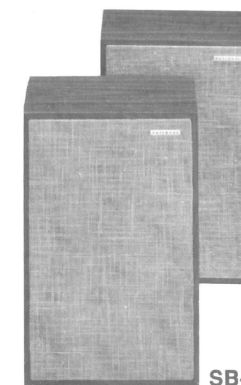
Finish: Teak-finish wood cabinet



SB-150



SB-160



SB-120



SB-30

SB-160

Compact 2-Way Speaker System

This compact system offers a frequency response extending to the limits of human hearing ability. National Panasonic's engineering know-how has made this a compact without compromise.

Type: Two-way, two-speaker system in air suspension enclosure

Components: 6½-in. woofer and horn-type tweeter

Frequency response: 35–20k Hz

Maximum power input: 36 watts

Impedance: 8 ohms

Size:

11⅞ (W) x 18⅞ (H) x 6⅞ (D) in.

Finish: Walnut-finish wood cabinet

SB-120

Compact 2-Way Speaker System

A handsome modern-style system that delivers big sound from a compact enclosure.

Type: Two-way, two-speaker system in air suspension enclosure

Components: 6½-in. woofer and 2½-in. cone-type tweeter

Frequency response: 40–20 kHz

Maximum power input: 22 watts

Impedance: 8 ohms

Size:

9⅞ (W) x 15⅞ (H) x 7⅞ (D) in.

Finish: Walnut-finish wood cabinet

SB-30

Mini Speaker

A speaker so small it's impossible to believe it produces such great sound!

Type: Single-speaker in acoustic suspension enclosure

Components: 3½-in. full-range cone-type speaker

Frequency response:

50–20,000 Hz

Maximum power input: 10 watts

Impedance: 8 ohms

Size: 4⅞ (W) x 7⅞ (H) x 5 (D) in.

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