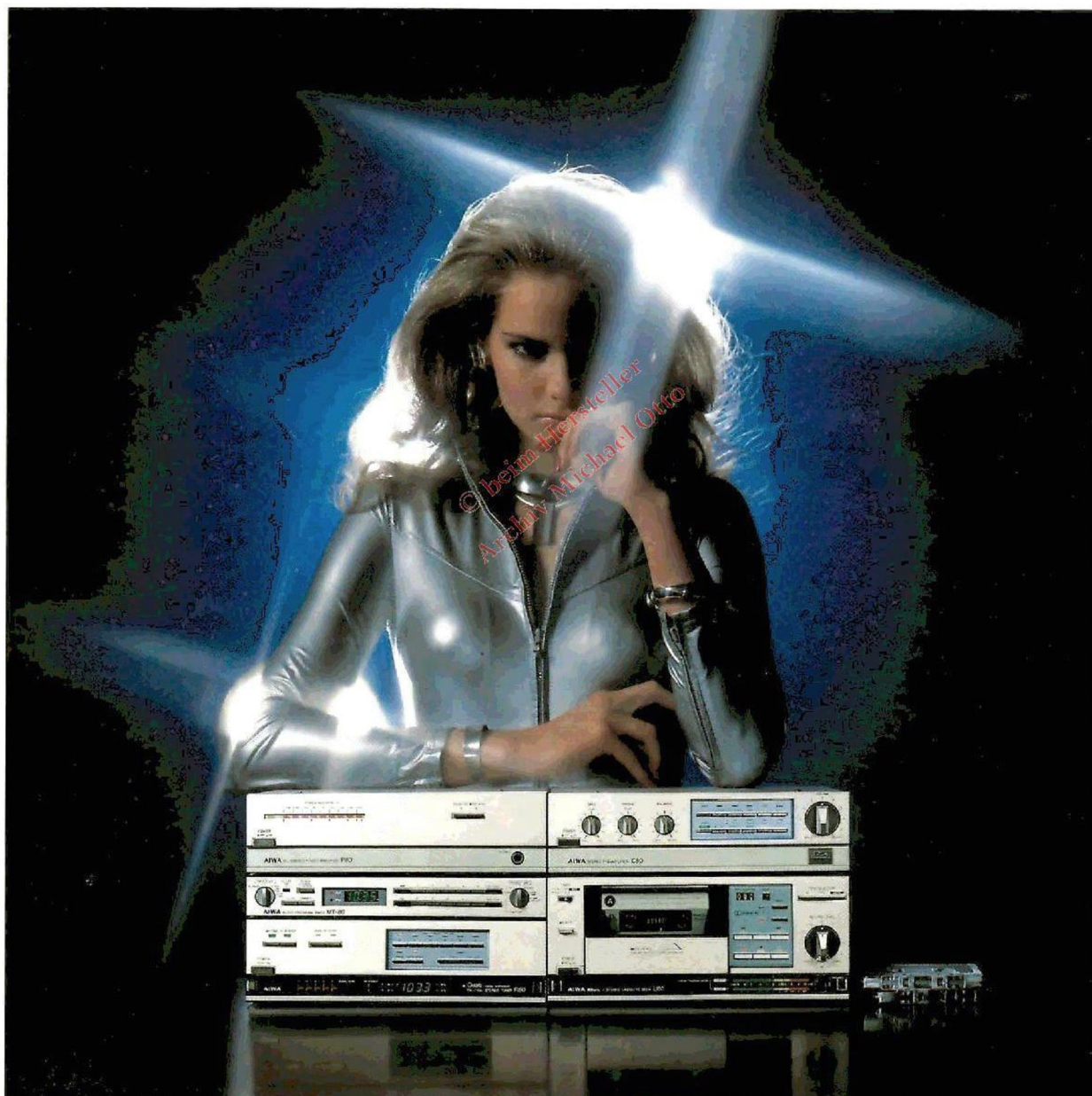


AIWA Simply Advanced

Mini Component Systems

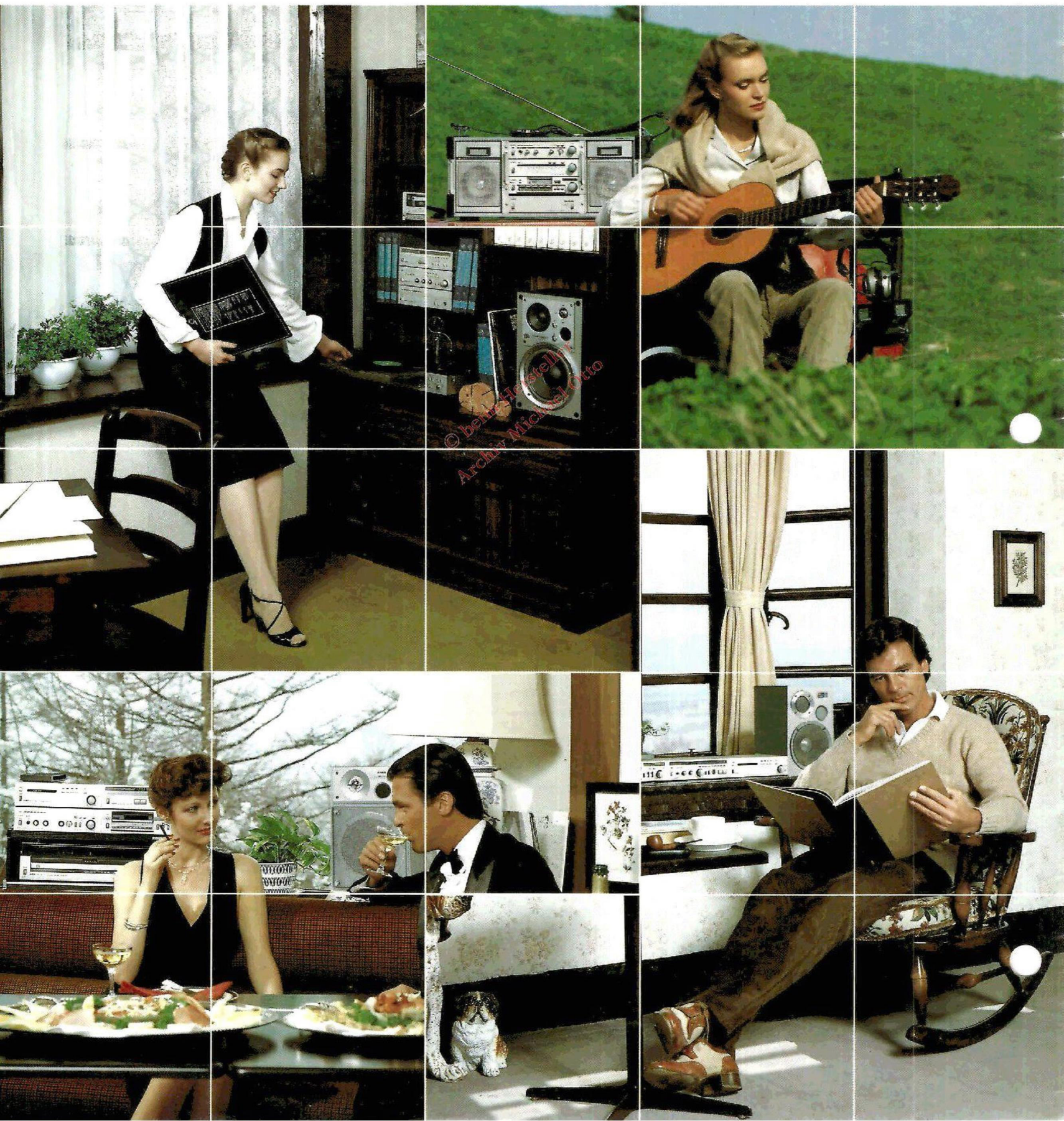


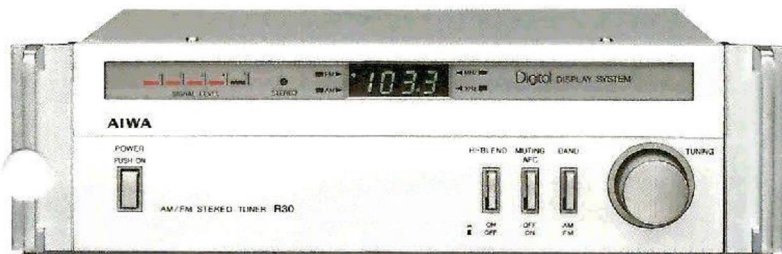
AIWA for craftsmanship

AIWA[®]

AIWA AMERICA INC.

AIWA Mini Systems: Refined to the Essence of Hi-fi Perfection





ST-R30U

AM/FM Stereo Tuner

An unpretentious tuner with some very impressive credentials, the R30 brings a new dimension in design and convenience to radio listening enjoyment.

Accurate digital display

Regardless of dial scale length, you're never quite sure where you're tuned

with linear or rotary scales, because their graduations are usually too widely spaced to define tuning variations as close as 100kHz (FM) or 1kHz (AM). This alone is one big advantage of a properly designed digital readout. For extra accuracy, the frequency counter IC in the R30's digital unit employs a quartz crystal which provides an unerring 6.4MHz reference signal to ensure that tuning is held within a close $\pm 25\text{kHz}$ for FM or $\pm 1.5\text{kHz}$ for AM.

Superb performance

For the best possible sensitivity and

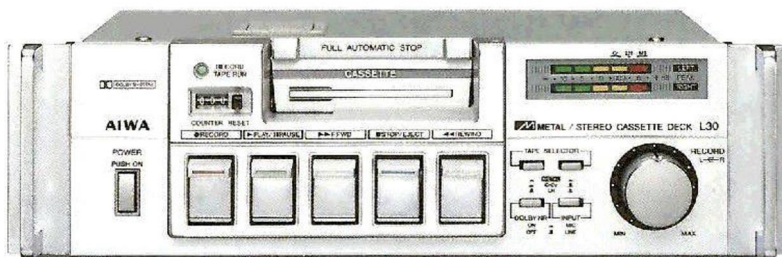
rejection of spurious signals, front end design employs a high-stability cascade junction MOS FET. Moving on to the IF detector stage, outstanding 70dB selectivity within 400kHz is realized by use of ceramic filters specially chosen for the flattest possible group delay characteristics, which in turn has achieved low noise and distortion. Beautiful stereo separation (45dB at 1kHz) is maintained by means of a stable PLL IC in the MPX demodulator stage.

Other features:

- Hi-blend circuit
- 5-LED signal strength indicator
- FM stereo indicator
- Antenna terminals for 75 and 300 ohm cables
- FM muting/AFC combination switch
- AM/FM indicator LED
- Rack handles included

ST-R30U SPECIFICATIONS

FM SECTION
SENSITIVITY:
Mono: 10.8dBf (1.9 μ V, 300 Ω)
Stereo: 37.9dBf (43 μ V, 300 Ω)
SIGNAL TO NOISE RATIO:
Mono: 73dB
Stereo: 70dB
DISTORTION:
Mono: 0.1%
Stereo: 0.25%
CAPTURE RATIO: 1.5dB
STEREO CHANNEL SEPARATION:
45dB (at 1kHz)
FREQUENCY RESPONSE:
30 ~ 15,000Hz (+0.5dB, -1.5dB)
IF REJECTION: 80dB
AM SUPPRESSION RATIO: 55dB
AM SECTION
FREQUENCY RANGE:
MW: 525kHz ~ 1,605kHz
POWER SOURCE: 120V, 60Hz
DIMENSIONS:
8-5/16(W) x 2-13/16(H) x 9(D) inches
(210 x 71 x 254.5mm)
WEIGHT: 4.6lbs (2.1kg)



SD-L30U

Stereo Cassette Deck

High performance recording and playback in a tape deck less than 3 inches high.

A full-fledged, full-performance stereo unit with every essential feature you'd expect to find in larger systems, the SD-L30 combines modern styling with an incredibly precise slot-in loading

mechanism and reliable DC servo motor that makes you wonder why decks got so big and complicated in the first place

Metal compatibility

The ability to make recordings on high performance metal cassettes is no longer a luxury confined to high-priced avant-garde models: AIWA has modified the SD-L30's circuitry and boosted erasure power to ensure full compatibility with metal. Along with extended frequency response metal tapes will give such

dynamic sound you'll want to use them for all your serious recording work. A tough, long-wearing hard Permalloy record/playback head and double-gap ferrite erase head ensure trouble-free performance from all tape formulations.

Optical peak display

Besides conserving space, responsive peak LEDs provide an additional measure of accuracy to take the guesswork out of record level adjustment. Signals are indicated separately for left and right channels in an easy-to-read 3-color sequence from -10 to +6dB. Amazingly, the SD-L30 even has rear panel jacks to accommodate a pair of microphones for live stereo recordings!

PLUS:

- Dolby[®] noise reduction system
- Full auto stop
- Separate L/R record volume controls
- Line/mic input selector
- Digital tape counter
- Head cleaning access window

• Rack handles included

SD-L30U SPECIFICATIONS

WOW & FLUTTER: 0.09% (WRMS)
S/N RATIO: 60dB (Dolby on)
FREQUENCY RESPONSE:
LH tape: 25 ~ 14,000Hz
CrO₂ tape: 25 ~ 16,000Hz
Metal tape: 25 ~ 16,000Hz
INPUT SENSITIVITY/IMPEDANCE:
Line in 50mV/50k ohms
Mic 0.3mV/200 ohms ~ 10k ohms
OUTPUT LEVEL/IMPEDANCE:
Line out 0.41V/50k ohms
HEAD:
REC/Pb: Hard Permalloy Head
Erase: Hi-Bs double gap ferrite head
MOTOR: DC servo motor
POWER SOURCE: 120V, 60Hz
DIMENSIONS:
8-5/16(W) x 2-7/8(H) x 9-1/16(D) inches
(210 x 72 x 229mm)
WEIGHT: 6.2lbs (2.8kg)



AP-D35U

A beautifully styled semi-automatic belt drive unit, the AP-D35 combines a stable AC synchronous motor and large 11-inch diecast platter for low 0.07% wow & flutter. Sensitive low-mass straight tonearm is designed for improved trackability, features adjustable anti-skating cueing and auto-return.

PLUS:

- Anti howling design with large, stable insulator feet
- Removable plastic dust cover
- Front panel EJECT and speed selection switches
- MM cartridge with removable headshell included.

AP-D35U SPECIFICATIONS

TURNTABLE SECTION
DRIVE SYSTEM: Belt-drive system
MOTOR: 4-pole synchronous motor
TURNTABLE PLATTER:
11-13/16" (30cm) aluminum diecast
SPEEDS: 33-1/3 and 45rpm
WOW & FLUTTER: 0.07% (WRMS)
S/N RATIO: 60dB (DIN-B)

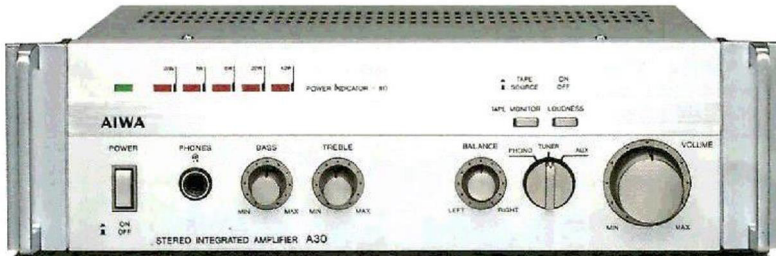
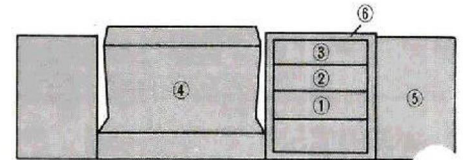
TONE ARM SECTION
TYPE: Static balanced straight type
EFFECTIVE ARM LENGTH: 8-1/2" (215mm)
OVERHANG: 5/8" (16mm)
OFFSET ANGLE: 23.5°
USABLE CARTRIDGE WEIGHT:
5 ~ 9g (without screw nut)
TRACKING FORCE RANGE: 0 ~ 4g
GENERAL
POWER SOURCE:
AC: 120V, 60Hz
DIMENSIONS:
16-9/16(W) x 4-3/16(H) x 14(D) inches
(420 x 105 x 355mm)
WEIGHT: 9.3lbs (4.2kg)

MINI SYSTEM M-302



*The 15 Watt System:
For those with an ear for high fidelity*

- ① SA-A30
- ② ST-R30
- ③ SD-L30
- ④ AP-D35
- ⑤ SC-E35
- ⑥ RK-C45B



SA-A30U

Stereo Integrated Amplifier

Fifteen big Watts per channel of honest-to-goodness high fidelity sound from a 2-stage differential SEPP-OCL integrated amplifier an incredibly compact 2-3/4 inches high by 8-1/4 inches wide. Yet, the A30 has plenty of room to accommodate up to 4 external components including tape, deck, tuner and record turntable. Power output has been boosted by use of a new extra-stable power transformer with independent coils for power and preamplifier sections, and enlarged heat sinks aid in efficient heat dissipation. For low noise and dynamic performance from high quality MM phono cartridges, the improved phono equalizer IC has boosted signal/noise ratio to an excellent 82dB, with very low 0.003% distortion at 1kHz. RIAA equalization is a remarkably precise ± 0.2 dB throughout the 20 to 20,000Hz frequency range. For well-balanced listening at low output volumes a switchable loudness compensation circuit is provided.

PLUS:

- 5-LED logarithmic peak output indicator (0.1 ~ 40 Watts)
- AUX component terminals
- Stereo headphone jack
- Power ON LED indicator
- Bass, treble, balance controls
- Quick one-touch speaker connection terminals
- Rack handles included

SA-A30U SPECIFICATIONS

POWER AMP SECTION

OUTPUT POWER:

15 Watts per channel, Min. RMS at 8 ohms, from 20 ~ 20,000Hz, with no more than 1% T.H.D.

DAMPING FACTOR: More than 40

PRE-AMP SECTION

INPUT SENSITIVITY/IMPEDANCE:

Phono 2.5mV/47k ohms
Tuner, AUX and Tape Monitor
150mV/47k ohms

PHONO MAXIMUM INPUT: 150mV

RIAA DEVIATION: ± 0.2 dB (20 ~ 20,000Hz)

TOTAL HARMONIC DISTORTION:

0.005% at 1kHz

SIGNAL TO NOISE RATIO: Phono 82dB

Tuner and AUX 95dB

TONE CONTROL: Bass ± 10 dB at 100Hz
Treble ± 8 dB at 10kHz

FREQUENCY RESPONSE:

10 ~ 70,000Hz (+0.5dB, -3dB)

LOUDNESS CONTROL: +6.5dB (100Hz)
+3.5dB (10kHz)

SP IMPEDANCE: 8 ~ 16 ohms

POWER SOURCE: 120V, 60Hz

DIMENSIONS:

8-5/16(W) x 2-13/16(H) x 9(D) inches
(210 x 71 x 228.5mm)

WEIGHT: 7.01lbs (3.15kg)



MT-3H

A deluxe digital audio timer designed for high accuracy and reliable operation, the MT-3H features forward and reverse time adjustment, and AC connections for two components.

Main features

- ON and OFF operation can be set precisely to the minute operation is desired
- Fast/Slow/Reverse time set control
- Sleep countdown operation with maximum 1 hour 59 minutes (119 minutes) setting

- Time countdown display (for recording) from 1 hour, 59', 59"
- Wake-up alarm signal
- Brightness control adjusts display to room lighting conditions
- AM/PM display
- Readout reverts to "12:00" in event of power interruption
- Outlet-on LED indicator

MT-3H SPECIFICATIONS

POWER SOURCE:

AC: 110 ~ 120V/220 ~ 240V, 50/60Hz

DIMENSIONS:

8-5/16(W) x 2-3/16(H) x 7-1/4(D) inches
(210 x 55 x 184mm)

WEIGHT: 2.91lbs (1.3kg)

Recommended system



SC-E80

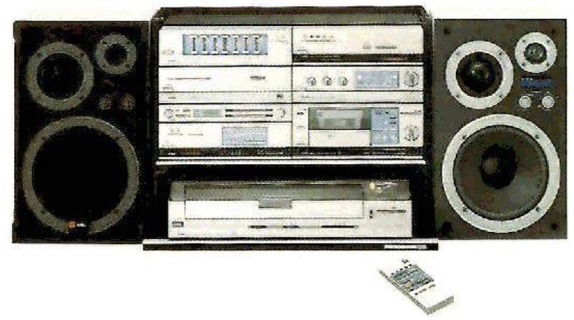
Three-way speakers

A compact 16-9/16 inches in height, the SC-E80 incorporates a heavy-duty magnet for powerful bass reproduction in either D.S.L. setting. Midrange and tweeter units may be individually attenuated. Handsome marbled finish and removable grille lend a beautiful, high-quality appearance.

SC-E80 SPECIFICATIONS

TYPE: 3-way Damped Bass-reflex type
 SPEAKER UNITS: Woofer: 7-7/8" ϕ (20cm ϕ)
 Midrange: 2-3/8" ϕ (6cm ϕ) Tweeter: 1-5/8" ϕ (4cm ϕ)
 IMPEDANCE: 8 ohms MAX. INPUT: 80 watts
 OUTPUT LEVEL: 90dB/W (1m)
 FREQUENCY RESPONSE: 45 - 20,000Hz
 DIMENSIONS: 9-7/8(W) x 16-9/16(H) x 10-1/4(D) inches
 (250 x 420 x 260mm)
 WEIGHT: 20.1lbs (9.1kg)

M-808



SC-E50

A high performance 3-way speaker recommended for the M-808, M-606 and M-605 system, high frequencies all the way to transient response.

SC-E50 SPECIFICATIONS

TYPE: 3-way Bass-reflex type
 SPEAKER UNITS: Woofer: 7-7/8 inches ϕ (20cm) Cone-type
 Midrange: 3-15/16 inches (10cm) Cone-type
 Tweeter: 1 inches (2.5cm) Dome-type
 IMPEDANCE: 8 ohms MAX. INPUT: 70 Watts
 OUTPUT LEVEL: 91dB/W (1m) FREQUENCY RESPONSE: 40Hz - 40kHz
 DIMENSIONS: 9-7/8(W) x 15-3/8(H) x 9-7/8(D) inches (250 x 390 x 250mm)
 WEIGHT: 17.6lbs (8.0kg)

M-605



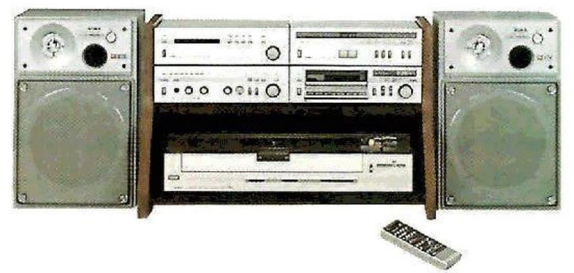
SC-E60

A handsome addition to the M-808, M-606 or M-605 mini systems, this two-way bookshelf speaker system features a newly developed 1-inch dome tweeter and large 7-1/8-inch low frequency driver for efficient bass reproduction. Wide 45 - 40,000Hz frequency response.

SC-E60 SPECIFICATIONS

TYPE: 2-way Bass-reflex type
 SPEAKER UNITS: Woofer: 7-1/8 inches ϕ (18cm) Cone-type
 Tweeter: 1 inches ϕ (2.5cm) Dome-type
 IMPEDANCE: 8 ohms MAX. INPUT: 60 Watts
 OUTPUT LEVEL: 90dB/W (1m) FREQUENCY RESPONSE: 45Hz - 40kHz
 DIMENSIONS: 9-1/16(W) x 14-3/16(H) x 9-1/16(D) inches (230 x 360 x 230mm)
 WEIGHT: 13.4lbs (6.1kg)

M-606



SC-E11A

Ultra-compact 2-way speakers incorporate AIWA's unique "Long Fold Duct" for outstanding low-range response.

SC-E11A SPECIFICATIONS

SIZE: Woofer: 3-15/16 inches (10cm)
 Tweeter: 2 inches (5cm)
 MAX. INPUT: 50 Watts
 FREQUENCY RESPONSE: 60Hz - 20kHz
 IMPEDANCE: 8 ohms
 DIMENSIONS: 4-3/4(W) x 7-3/8(H) x 5-15/16(D) inches
 (120 x 187 x 150mm)
 WEIGHT: 6.4lbs (2.9kg) each

M-505



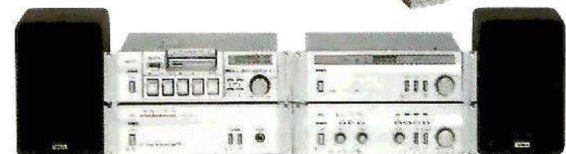
SC-E35

Two-way bass-reflex type speakers combine handsome looks with accurate reproduction. Recommended with M-505, M-301, M-302 mini systems.

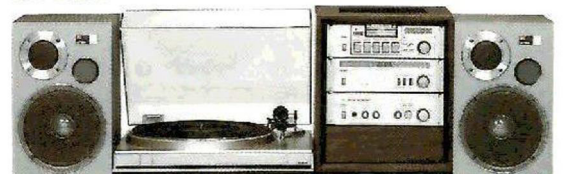
SC-E35 SPECIFICATIONS

SPEAKER UNITS:
 Woofer: 6-5/16 inches (16cm) Tweeter: 2 inches ϕ (5cm)
 IMPEDANCE: 8 ohms
 MAX. INPUT: 35 Watts
 FREQUENCY RESPONSE: 50Hz - 20kHz
 WEIGHT: 8.8lbs (4kg)
 DIMENSIONS:
 8-5/16(W) x 13(H) x 8-11/16(D) inches
 (210 x 330 x 220mm)

M-301

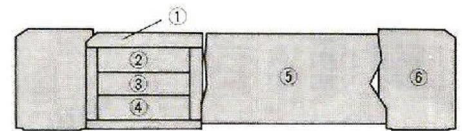
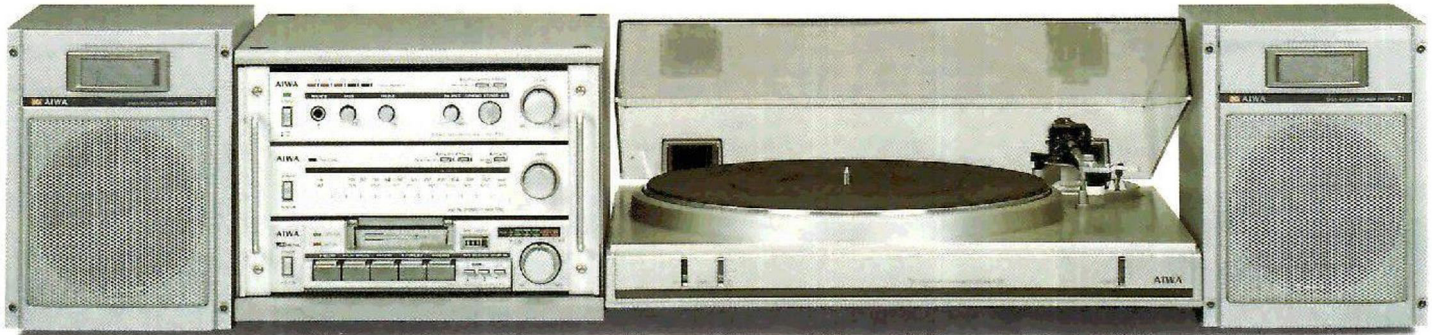


M-302

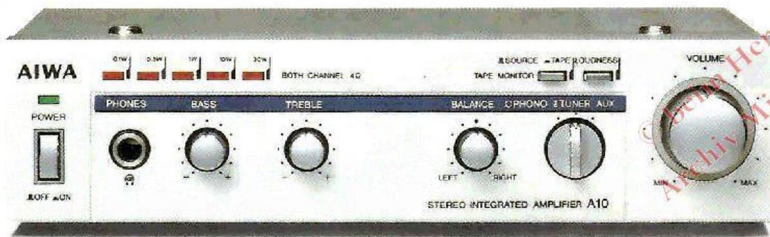


MINI SYSTEM M-101

The multi-use system: Three-way power operation for component sounds you can take along



- ① RK-C1 ③ ST-R10 ⑤ AP-D35
- ② SA-A10 ④ SD-L10 ⑥ SC-E1



SA-A10U

Stereo Integrated Amplifier

Small in size but big in sound, this BTL-connected OCL integrated amplifier powers up to 4 external components off

AC or DC power, yet lacks none of the essentials for clear, low-distortion sound. For stable current regulation at any output level, a high-efficiency toroidal power transformer is incorporated.



Want to listen to discs? No problem. The SA-A10 also features a built-in phono equalizer stage for natural rendition of high-performance MM cartridges. Beside the independent bass/treble controls, a loudness compensation switch is provided to give you more dynamic sound quality even at low volume listening. And watch while the 5-point logarithmic LED peak indicators display changes in power output.

PLUS:

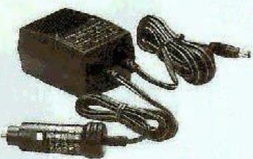
- Rear panel AC outlets (2)
- Stereo headphone jack
- Balance control
- Power ON indicator LED
- Quick-touch speaker connection terminals.

SA-A10U SPECIFICATIONS

- OUTPUT POWER: 11 Watts per channel, Min. RMS at 4 ohms, from 50-20,000Hz, with no more than 1.5% T.H.D.
- TOTAL HARMONIC DISTORTION: 0.5% (at 1W, 8 ohms)
- RIAA DEVIATION: ±1dB (35-20,000Hz)
- DAMPING FACTOR: 20 (at 1kHz, 8 ohms)
- FREQUENCY RESPONSE: 20-35,000Hz (+1dB, -3dB)
- S/N RATIO: Phono: 72dB
Tuner, Aux: 85dB
- TONE CONTROLS:
Bass: ±8dB (at 100Hz)
Treble: ±8dB (at 10kHz)
- POWER SOURCE: 120V, 60Hz
- DIMENSIONS:
8-5/16(W) × 2-3/16(H) × 8-1/16(D) inches
(210 × 55 × 205mm)
- WEIGHT: 5.3lbs (2.4kg)

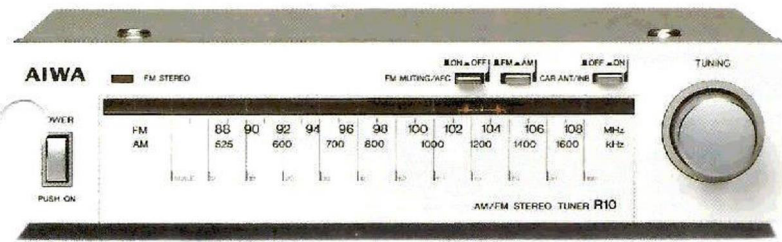
*Go-with real audio.
At home anywhere,
with great sounds and true portability.*

DC-123



*DC adapter (DC12V)
for car use*





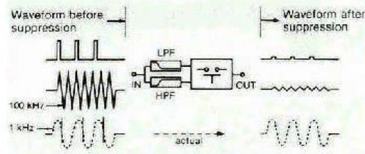
ST-R10U

AM/FM Stereo Tuner

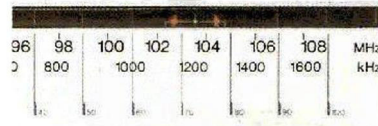
In addition to its wide frequency response, high selectivity and beautifully-defined FM stereo channel separation, the ST-R10 features two newly-developed features designed to bring out the unit's full potential whether indoors or out. First, a special Input Noise Blanking System effectively suppresses interference from auto ignition systems. And second, the ST-R10 incorporates a

unique new Auto Blend Circuit which automatically adjusts the FM MPX stage as required to prevent deterioration of channel separation.

OPERATION GRAPH OF BLANKING SYSTEM



Tuning has also been facilitated: AIWA has replaced the usual dial pointer with a center tuning indicator composed of two red and one green LED, which wink to indicate tuning to the strongest reception point.



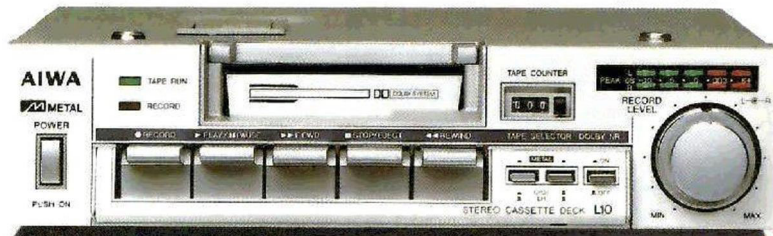
PLUS:

- PLL MPX circuitry for stable FM stereo reception
- FM muting/AFC switch
- 75/300 ohms antenna terminals
- FM stereo indicator LED
- Auto muting level adjuster built-in

ST-R10U SPECIFICATIONS

FM SECTION
FREQUENCY RANGE:
 FM: 87.5MHz ~ 108MHz
50dB QUIETING SENSITIVITY:
 Mono: 18.2dBf (4.5µV, 300Ω)

Stereo: 38.2dBf (44.7µV, 300Ω)
USABLE SENSITIVITY:
 MONO: 11.2dBf (2.0µV, 300Ω)
S/N RATIO: MONO 70dB,
 STEREO 67dB,
CAPTURE RATIO: 1.8dB
TOTAL HARMONIC DISTORTION:
 MONO: 0.3%
 STEREO: 0.6%
SELECTIVITY: 65dB (± 400kHz)
FREQUENCY RESPONSE:
 30Hz ~ 15,000Hz (+ 0.5dB, - 2.5dB)
SPURIOUS REJECTION RATIO: 80dB
AM SUPPRESSION RATIO: 50dB
STEREO SEPARATION: 40dB (at 1kHz)
AM SECTION
FREQUENCY RANGE:
 MW: 525kHz ~ 1,605kHz
SELECTIVITY: 30dB
S/N RATIO: 50dB
POWER SOURCE: 120V, 60Hz
DIMENSIONS:
 8-5/16(W) × 2-3/16(H) × 9-7/8(D) inches
 (210 × 55 × 250mm)
WEIGHT: 3.5lbs (1.6kg)

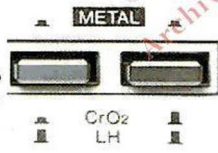


SD-L10U

Stereo Cassette Deck

A uniquely-designed component only 2 inches in height, the SD-L10 is a full-fledged cassette deck which can make superb-quality recordings as well

as playback. Metal tape compatibility and Dolby™ noise reduction ensure high performance from any sound source, even live stereo recordings with microphones.



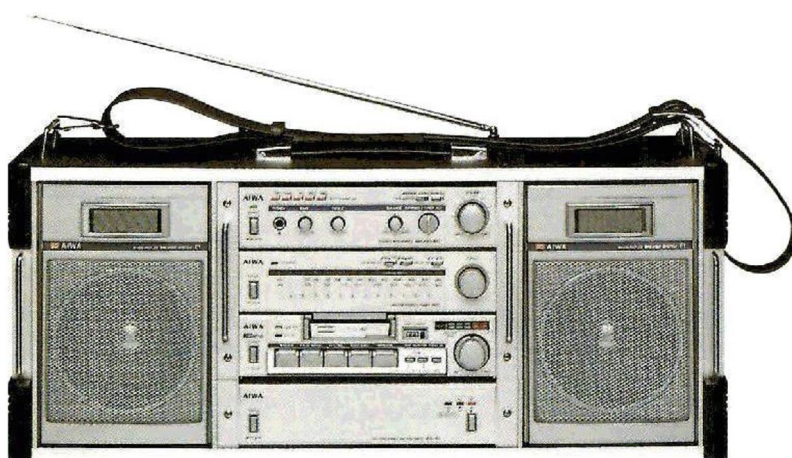
Slot-in loading is used to minimize size, but AIWA's tough, trouble-free mechanism with its reliable DC servo motor maintains tape transport stability with a low 0.09% WRMS wow & flutter. Easy-to-read 2-color optical peak display accurately tracks input levels for proper recording adjustment.

PLUS:

- Automatic input selector (Mic priority)
- Electronic full auto stop
- Tape run and record indicator LEDs
- Combination PLAY/PAUSE key
- Digital tape counter
- Head access window for routine cleaning and maintenance
- Rear panel stereo mic inputs

SD-L10U SPECIFICATIONS

WOW & FLUTTER: 0.09% (WRMS)
S/N RATIO: 60dB (CrO₂ tape, Dolby on)
FREQUENCY RESPONSE:
 LH tape: 25 ~ 14,000Hz
 CrO₂ tape: 25 ~ 16,000Hz
 Metal tape: 25 ~ 16,000Hz
HEAD: REC/PB: Hard Permalloy Head
 Erase: Ferrite Head
MOTOR: DC servo motor
POWER SOURCE: 120V, 60Hz
DIMENSIONS:
 8-5/16(W) × 2-3/16(H) × 9-1/2(D) inches
 (210 × 55 × 240mm)
WEIGHT: 5.5lbs (2.5kg)



Play facility for M-101

- Outdoor use
- Car use
- Indoor use

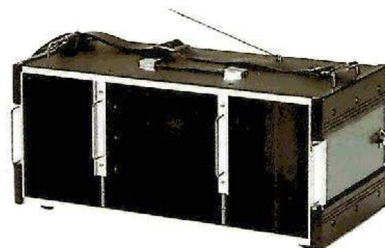


SC-E1

Bass-Reflex Speaker System

SC-E1 SPECIFICATIONS

SPEAKER SIZE: 4-15/16" φ (12.5cm)
IMPEDANCE: 4 ohms
FREQUENCY RESPONSE:
 70Hz ~ 17,000Hz
MAXIMUM INPUT POWER: 15 Watts
DIMENSIONS:
 6-5/16(W) × 8-3/8(H) × 7-1/4(D) inches
 (159 × 212 × 183mm)
WEIGHT: 5.1lbs (2.3kg)



CB-1

Carrying case for M-101 system

DIMENSIONS:
 23-1/8(W) × 9-11/16(H) × 11-1/8(D) inches
 (588 × 245 × 282mm)

RB-10

Rechargeable battery pack

DIMENSIONS:
 8-3/4(W) × 2-3/16(H) × 9-1/2(D) inches
 (221 × 55 × 240mm)
WEIGHT: 5.5lbs (2.5kg)





RK-H80

Full system rack for M-808, M-606 and M-605; includes space at bottom for AP-D80 motorized loading turntable.

DIMENSIONS: 21-1/8(W) x 13-9/16(H) x 15-3/16(D) inches (535 x 344 x 385mm)



RK-S50

Full system wood rack for M-605 and M-606; includes space at bottom for AP-D80, world's first motorized loading turntable.

DIMENSIONS: 21-5/16(W) x 13-1/2(H) x 15(D) inches (541 x 342 x 380mm)



RK-C45B

Simulated walnut vinyl-covered wood rack for mini systems M-301 and M-302. Rack compatible for either 3 or 4 units by using a removable panel.

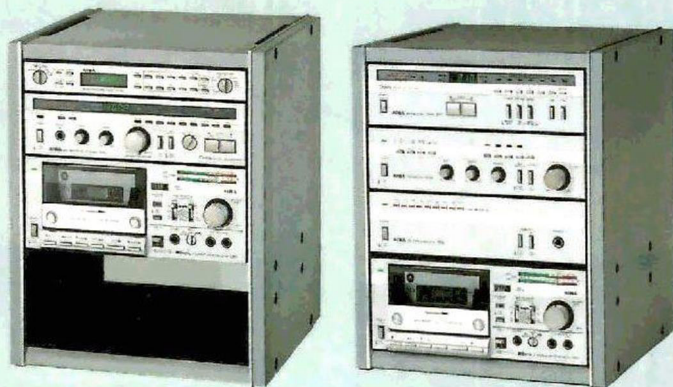
DIMENSIONS: 11-1/2(W) x 13-7/16(H) x 10-1/4(D) inches (291 x 341 x 260mm)



RK-J7

Swivel-rack for M-605, M-606, M-502 and M-505 Mini Systems. Center spacer permits height adjustment.

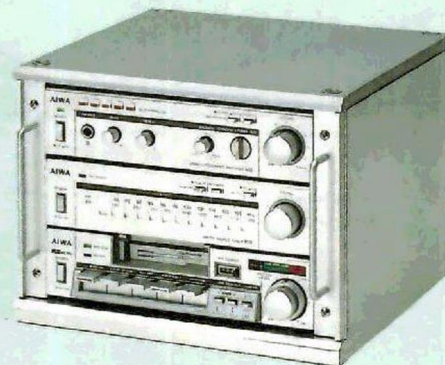
DIMENSIONS: 11-11/15(W) x 12-11/16(H) x 11-1/15(D) inches (280 x 321 x 280mm)



RK-C53

Silver-finish wood rack for M-605, M-606, M-502 and M-505 systems.

DIMENSIONS: 11-7/16(W) x 14-1/2(H) x 11-1/2(D) inches (290 x 367 x 292mm)



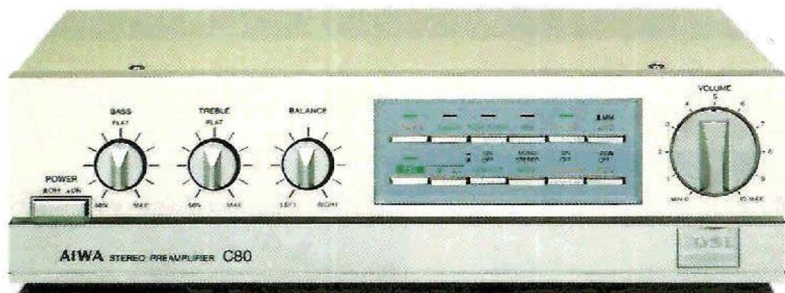
RK-C1

Silver-finish wood rack for M101

DIMENSIONS: 10-1/8(W) x 7-1/2(H) x 9-7/8(D) (256 x 190 x 250mm)

*Dolby and the double-D system are trademarks of Dolby Laboratories Licensing Corporation. *Specifications and design are subject to change without notice.

•Please check the laws on copyright relating to recording from discs, radio or external tape for the country in which the machine is being used.



SA-C80U

Preamplifier

Attractively styled for functional operation, the SA-C80 accommodates up to six external sound sources, including two tape decks. Low-noise, low distortion ICs and discrete components virtually eliminate sound coloration, with total harmonic distortion a nearly unmeasurable 0.005% (20–20,000Hz).

Two-way D.S.L. provides selectable levels of bass enhancement

Far more effective than conventional loudness compensation circuits, AIWA's unique Dynamic Super Loudness employs an electronic system to provide low frequencies with natural tonal quality at any listening level. Smaller bookshelf size loudspeakers greatly benefit with DSL enhancement, putting out rich bass that belies their compact cabinet volumes. The SA-C80 features not one but two D.S.L. settings, giving a maximum of

+10dB (position 1) or +20dB (position 2) selectable according to the listening area, type of music, speaker construction and other acoustic variables.



- Low filter
- Bass/treble tone controls with tone defeat at center position
- Inter-unit dubbing (Tape 1,2) connections

SA-C80U SPECIFICATIONS

INPUT SENSITIVITY IMPEDANCE:
 Phono (MM): 2.5mV/47k ohms
 Phono (MC): 0.25mV/100 ohms
 Tuner, Aux. 150mV/47k ohms
 Tape input 1, 2: 150mV/47k ohms

OUTPUT LEVEL IMPEDANCE:
 Tape output: 150mV/47k ohms
 Pre output: 1V/47k ohms

TOTAL HARMONIC DISTORTION:
 0.005% (20–20kHz)

FREQUENCY RESPONSE:
 Aux, Tape input: 10Hz~100kHz (+0dB, -3dB)

RIAA DEVIATION: ±0.2dB
 (MM: 20–20kHz, MC: 30–20kHz)

S/N RATIO: Phono (MM): 88dB (MC): 71dB
 Tuner, Aux Tape input: 100dB

POWER SOURCE: 120V, 60Hz

DIMENSIONS:
 9-7/8(W) × 2-13/16(H) × 9-11/16(D) inches (250 × 71 × 246mm)

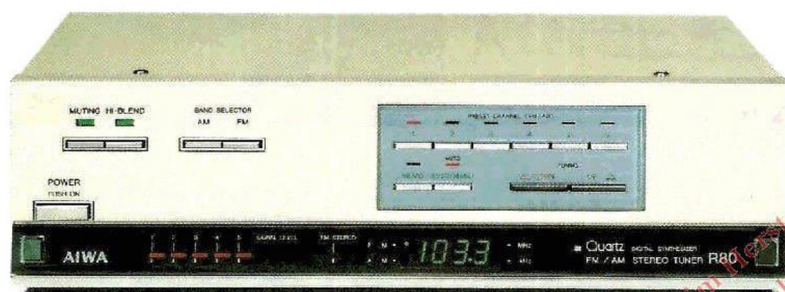
WEIGHT: 4.9lbs (2.2kg)

Quality PHONO reproduction

For accurate, low-noise reproduction of both MM and MC type phono cartridges, the equalizer circuit has been completely redesigned with a precision IC giving an outstanding 88dB signal-noise ratio with MM cartridges; because an MC head amplifier is built into the unit, turntables equipped with increasingly popular moving coil cartridge models may be connected directly without the need for costly outboard accessories.

PLUS:

- Handsome front panel arrangement with LED function indicators
- -20dB muting switch



ST-R80U

Quartz Synthesizer Tuner

Incorporating a new "Plus Swallow Counter" circuit, the ST-R80 is able to offer significantly improved performance over previous synthesizer tuner models.

PLL Quartz Synthesizer Tuner with Digital Display

For tuning at a touch, this model offers a choice of automatic or manual station selection. In manual, the tuned frequency display changes as long as pressure is applied to the UP or DOWN tuning buttons. In AUTO, once a tuning button is pressed the ST-R80 will search out the optimum tuning point of the next station on the band and halt automatically. Large digital frequency display

facilitates tuning.

Twelve-station memory preset

Up to 6 stations each for FM and AM may be preset for instant selection. Tuner retains previous setting when power is turned off, enabling unattended recording when connected with the optional MT-80 timer unit.

Plus swallow counter dramatically lowers distortion

By raising the reference frequency of the tuner's VCO, the new Pulse Swallow Counter system prevents invasion of high-speed, high-amplitude signals into the broadcast's upper harmonics, lowering distortion [0.06% (MONO)] and boosting signal/noise performance to a phenomenal 80dB for mono, 77dB in stereo.

PLUS:

- 5-step LED signal strength indicator
- Soft-touch operation buttons

- FM muting, Hi-blend circuits
- Remote control connection terminal. (New RC-R500 permits AM/FM switching, preset station selection).
- Adjustable auto-tuning level

ST-R80U SPECIFICATIONS

FM SECTION

FREQUENCY RANGE: 87.5MHz~108MHz

USABLE SENSITIVITY: 10.3dBf (1.8µV, 3000Ω)

50dB QUIETING SENSITIVITY:
 Mono: 17.2dBf (4.0µV, 3000Ω)

CAPTURE RATIO: 1.5dB

SELECTIVITY: 70dB (±400kHz)

S/N RATIO: Mono: 80dB Stereo: 77dB

IF REJECTION RATIO: 95dB

TOTAL HARMONIC DISTORTION:
 Mono: 0.06% (1kHz)
 Stereo: 0.15% (1kHz)

FREQUENCY RESPONSE:
 30Hz~15kHz (+0.5, -2.0dB)

STEREO SEPARATION: 50dB (at 1kHz)

POWER SOURCE: 120V, 60Hz

DIMENSIONS: 9-7/8(W) × 2-13/16(H) × 11-1/16(D) inches (250 × 71 × 281mm)

WEIGHT: 4.9lbs (2.2kg)



SD-L80U

Cassette deck

Few decks of any size can boast of the performance, features and quality of this state-of-the-art mini deck from AIWA

Dolby C* noise reduction system

A high-performance noise reduction circuit which far exceeds the capability of the popular Dolby B-type system, Dolby-C reduces residual hiss noise more effectively over a wider frequency range; tape recorded and played back with Dolby-C will boast up to 20dB improvement in signal-noise ratio—as high as 78dB at 5kHz and above. As an extra

bonus, Dolbyized recordings provide a higher tape MOL (maximum output level), enabling recording of higher volume signals without incurring distortion.

IC logic controls

Switching from one mode to another is almost effortless, with deluxe "click-touch" IC logic controls arranged in two rows for miss-free operation. And a precision dual-motor mechanism holds undesirable speed variations (wow & flutter) to virtually inaudible levels—0.032% (WRMS).

Optical level meters

With the highly visual display of peak-reading LEDs (in three colors for even more accuracy) you can easily set recording inputs to their most effective range for dynamic, distortion-free recording. Indication is in two rows of 12 steps each, from -20 to +10dB.

PLUS:

- Durable DX head with ideal characteristics for metal recording
- One push tape selector switches (LH/CrO₂/Metal)

- Timer Record/Playback selector switch
- Independently adjustable left-right record volume controls
- Front panel headphone jack
- Soft oil-damped cassette eject

SD-L80U SPECIFICATIONS

FREQUENCY RESPONSE:
 LH tape: 25~13,000Hz (±3dB)
 20~16,000Hz
 CrO₂ tape: 25~15,000Hz (±3dB)
 20~17,000Hz
 Metal tape: 25~16,000Hz (±3dB)
 20~18,000Hz

S/N RATIO: (metal tape)
 Dolby C on (above 5kHz): 78dB

WOW & FLUTTER: 0.032% (WRMS)

HEAD: REC/PB: DX Head
 Erase: Hi-Bs double gap Ferrite Head

INPUT SENSITIVITY IMPEDANCE:
 MIC: 0.3mV/200~10k ohms
 LINE IN: 50mV/50k ohms or higher

OUTPUT LEVEL IMPEDANCE:
 LINE OUT: 0.55V/50k ohms or higher
 Headphone: 0.8mV/8 ohms

POWER SOURCE: 120V, 60Hz

DIMENSIONS: 9-7/8(W) × 4-1/4(H) × 9-11/16(D) inches (250 × 107 × 245mm)

WEIGHT: 8.8lbs (4.0kg)



AP-D80U

Front-loading full-auto turntable

This direct-drive turntable saves space in more ways than one, because records may be inserted and removed without lifting the dust cover. It's a unique feature from AIWA that permits the turntable to

be positioned in an audio rack below the other components in the system.

Front loading operation

After setting the disc on the loading tray and selecting the speed and record size, the operator presses the PLAY button and the disc is loaded into playing position by a separate motor. Another touch of the PLAY button and play commences automatically. A photo-

electric cell automatically instructs the arm to play LP or EP size discs. Pressing the EJECT button either during or after play operation will transport the disc gently forward for removal. The dust cover may be left completely undisturbed during these operations.

High performance direct-drive motor

For accurate rotation speed completely free from cogging or other undesirable effects, the AP-D80 employs a 4-phase 8-pole linear torque motor with a frequency generator type speed detector. This compares the motor rotation speed to a standard rotation frequency and makes needed connections virtually instantaneously. Wow and flutter is held to a very low 0.028% (WRMS) and rumble is a superb 75dB (DIN-B), another result to improved motor design.

Manual operation

Manual arm operation can even be performed with the dust cover shut; an arm carrier lever located on the front panel permits positioning of the arm when it is raised from the record surface.

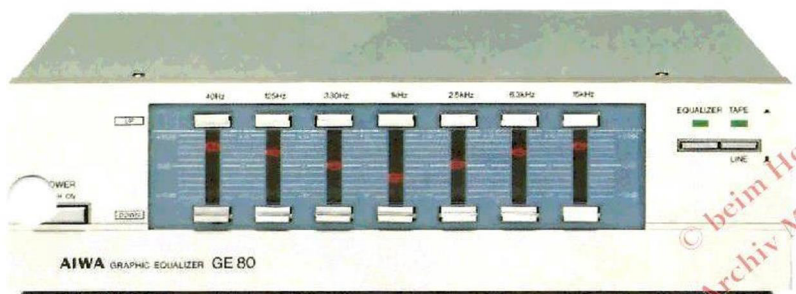
Other features:

- Photoelectric arm return mechanism
- Sensitive J-shaped static balanced arm
- Heavy 1.3kg aluminum diecast platter

- Rec-sync operation with most AIWA cassette decks
 - Dense anti-resonance resin compound chassis material
 - Adjustable pitch control ($\pm 3\%$)
 - Built-in stylus cleaning brush
- *Cartridge shown in above photograph is not included.

AP-D80U SPECIFICATIONS

TURNTABLE SECTION
DRIVE SYSTEM: Direct-drive system
MOTOR: 4-phase, 8-pole linear torque DC Hall motor
TURNTABLE PLATTER: Aluminum alloy diecast (30cm) weight 1.3kg
SPEEDS: 33-1/3 and 45 rpm
VARIABLE PITCH CONTROL: $\pm 3\%$
WOW AND FLUTTER: 0.028% (WRMS)
S/N RATIO: 60dB (IEC-B curve), 75dB (DIN-B curve)
TONEARM SECTION
TYPE: Static balanced type
EFFECTIVE ARM LENGTH: 8-1/2" (215mm)
OVERHANG: 5/8" (15mm)
TRACKING ERROR ANGLE: +1.4°, -3.6°
OFFSET ANGLE: 25.1°
TRACKING FORCE RANGE: 0-3g
USABLE CARTRIDGE WEIGHT: 3.5-8.5g
POWER SOURCE: 120V, 60Hz
DIMENSIONS: 17-3/4(W) x 4-3/16(H) x 14-13/16(D) inches (450 x 106.5 x 375mm)
WEIGHT: 15.9lbs (7.2kg)



GE-80U

Graphic equalizer amplifier

The human ear's discrimination of sounds is so remarkable, many audiophiles find that bass and treble tone controls are insufficient for really precise tonal

adjustment.

The GE-80 graphic equalizer was designed to offer full control of the music spectrum at seven individual points, providing the listener with 10dB of boost or cut at 40, 125, 330, 1,000, 2,500, 6,300 and 15,000Hz. An effective, highly recommended means of getting the most from all sound sources.

Other features:

- Connects in series between power and preamplifier units
- Very low harmonic distortion (0.0025%, at 1kHz)
- Illuminated cursors clearly indicate setting position

- Defeat switch allows signals to bypass tone settings.

EQUALIZER CHARACTERISTICS:
VARIABLE RANGE: ± 10 dB
CENTER FREQUENCIES: 40Hz, 125Hz, 330Hz, 1kHz, 2.5kHz, 6.3kHz, 15kHz
FREQUENCY RESPONSE: 10Hz-35kHz
HARMONIC DISTORTION: 0.0025% (1V, 1kHz)
MAXIMUM OUTPUT: 5V
S/N RATIO: 100dB
INPUT IMPEDANCE: 47k ohms
DIMENSIONS: 9-7/8(W) x 2-13/16(H) x 9-1/2(D) inches (250 x 71 x 240mm)
WEIGHT: 4.4lbs (2kg)



RC-R500U

Wireless remote control system

Looking for a way to add the perfect touch to your AIWA system? For deluxe operation and sheer convenience, this wireless remote transmitter-receiver combination

gives you versatile control of most system functions from up to 6 meters (20 feet) away. Safe infrared pulses activate controls within 45° angle on either side of system. "Command checker" display visually confirms operation from across the room.

Functions

Amp

- Inter-mode switching: TAPE, PHONO, TUNER, etc.
- Volume control
- -20dB muting

Tuner

- Up-down tuning adjustment

- Preset channel selection (AM/FM)

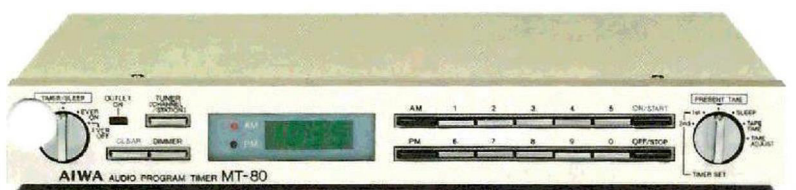
Cassette deck

- PLAY, RECORD, F. FWD, REWIND, STOP
- PAUSE in playback or record modes

Turntable

- START/CUT operation

DIMENSIONS: 9-7/8(W) x 2-13/16(H) x 10(D) inches
WEIGHT: 5.1lbs (2.3kg)



MT-80U

Digital Audio Timer

With the proliferation of high-quality FM broadcasts, a timer which affords enables home users the capability to make unattended recordings of scheduled

programs can be a particularly useful addition to an audio system. The MT-80 however has many other useful functions, including a convenient countdown of remaining tape time (when connected to SD-L80 cassette deck), and sleep countdown shutoff of the entire system (up to 99 minutes). This timer can also activate the entire M-808 system for two on-off cycles in a single 24 hour period, and can be programmed to select up to six automatic changes between preset channels on the tuner.

Other features:

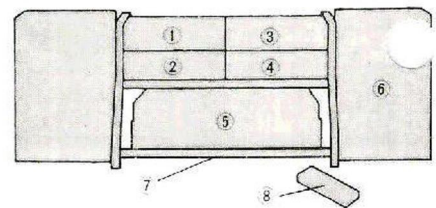
- Power interruption compensation
- Display dimmer facility

DIMENSIONS: 9-7/8(W) x 1-7/16(H) x 10-5/16(D) inches (250 x 36 x 261.5mm)
WEIGHT: 3.5lbs (1.6kg)

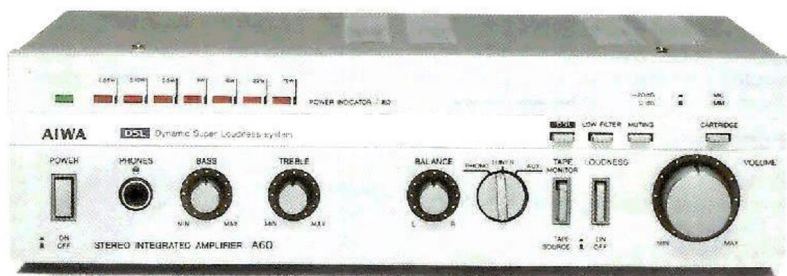
MINI SYSTEM M-606



*The Integrated 30 Watt System:
Symmetrical dimensions, flexible operation*



- ① RC-R300 ③ ST-R50 ⑤ AP-D80 ⑦ RK-S50
- ② SA-A60 ④ SD-L60 ⑥ SC-E60 ⑧ RC-T300



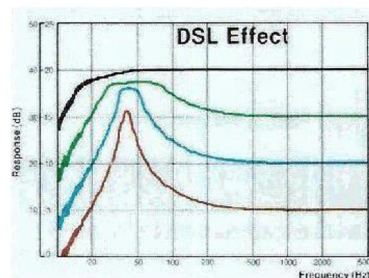
SA-A60U

Amplifier, tuner and cassette deck: all identically styled, all with exciting performance. The SA-A60 integrated amplifier typifies a new breed of space-saving mini component designed for powerful, low-distortion sound.

Dynamic Super Loudness for improved bass reproduction

Mere tone adjustment or use of conventional loudness compensation can

only enhance bass signals at the expense of affecting listening quality in midrange frequencies as well. The new DSL circuit in the SA-A60 puts back electronically what the speaker itself is unable to do structurally. DSL performs at its best at quiet listening levels; its effect is automatically attenuated in response to output volume, keeping tone quality natural whether at low, medium or high volumes. Whether with bookshelf-size or larger floor-standing speakers, every type of music stands to benefit from this exciting new achievement.



Built-in MC cartridge head amp

Just press in the front panel switch and you can enjoy the distinctive tone quality of Moving Coil phono cartridges on the SA-A60 without the need for expensive outboard head amplifier units. MM cartridge performance is outstanding as well; the precision phono equalizer boasts a superb 85dB S/N ratio and RIAA deviation within ± 0.2 dB from 20 to 20,000Hz.

Stabilized power supply

For full power performance with extra stability, the 30 Watt per channel power

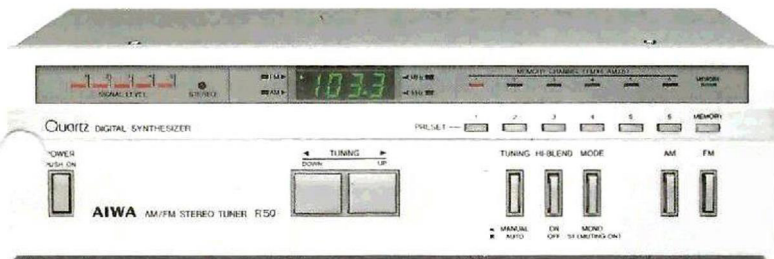
stage incorporates a heavy-duty toroidal core transformer. Power ICs are protected by a new type of temperature-sensitive circuit designed to guard against overheating.

PLUS:

- Wireless remote control terminal
- 7-step peak power output display
- -20dB muting switch
- Low cut filter
- LED mode setting indicators

SA-A60U SPECIFICATIONS

- OUTPUT POWER:**
30 Watts per channel, Min. RMS at 8 ohms, from 30Hz - 20kHz, with no more than 0.1% T.H.D.
- TOTAL HARMONIC DISTORTION:**
0.05% (1kHz at rated power output)
- RIAA DEVIATION:** +0.2dB (20 - 20kHz)
- FREQUENCY RESPONSE:**
10Hz - 70kHz (± 3 dB)
- S/N RATIO:** MM: Phono 85dB
Tuner: Aux 93dB
MC: 68dB
- POWER SOURCE:** 120V, 60Hz
- DIMENSIONS:**
9-7/8(W) x 2-13/16(H) x 10-1/8(D) inches
(250 x 71 x 257.5mm)
- WEIGHT:** 9.3lbs (4.2kg)



ST-R50U

Quartz Synthesizer Tuner

You won't find a tuning knob on the ST-R50, because there's no more tuning capacitor to be rotated. All tuning is performed automatically and electronically by means of a voltage-sensitive varactor diode that employs a PLL quartz synthesizer for extra accuracy. Up to 6 stations each for AM and FM may be programmed into the memory circuit and recalled instantly at the touch of a button. Manual tuning is also possible by holding in the up or down control until

the desired station frequency is displayed. For optimum sound quality, a quadrature detector circuit with 6-element ceramic filters having flat group delay characteristics achieves a high signal/noise ratio, low distortion and high sensitivity. A newly developed IC in the limiter and detector stages enhances stability and boosts reliability. A PLL IC in the MPX demodulation stage provides stable FM stereo switching unaffected by temperature, humidity or aging. The ST-R50 can also be combined with a couple of AIWA optionals that make it perhaps the most convenient all-around versatile tuner available. When connected to the optional MT-50 timer unit, two on/off cycles can be

programmed at any time desired, and if the power remains on, preset stations may be changed automatically up to 6 times in a 24 hour period. The RC-R300 wireless remote transmitter/receiver unit (also optional) is capable of performing manual up/down tuning or selection of preset stations from up to 20 feet away.

PLUS:

- Adjustable synthesizer sensitivity control
- 3 or 4 digit tuned frequency display
- FM muting and Hi-blend switches
- 5-point LED signal strength indicator

ST-R50U SPECIFICATIONS

FM SECTION

FREQUENCY RANGE: 87.5MHz ~ 108MHz

USABLE SENSITIVITY: 10.8dBf (1.9 μ V, 300 Ω)

50dB QUIETING SENSITIVITY:

Mono: 18.2dBf (4.5 μ V, 300 Ω)

Stereo: 38.2dBf (45 μ V, 300 Ω)

CAPTURE RATIO: 1.5dB

SELECTIVITY:

35dB (\pm 300kHz)

65dB (\pm 400kHz)

S/N RATIO: Mono 75dB, Stereo 72dB

IMAGE REJECTION RATIO: 75dB

IF REJECTION RATIO: 90dB

SPURIOUS REJECTION RATIO: 90dB

AM SUPPRESSION RATIO: 55dB

TOTAL HARMONIC DISTORTION:

Mono: 0.1% (1kHz)

Stereo: 0.2% (1kHz)

FREQUENCY RESPONSE:

30Hz ~ 15,000Hz (+0.5dB, -1.5dB)

STEREO SEPARATION: 45dB (1kHz)

AM SECTION

FREQUENCY RANGE:

MW: 525kHz ~ 1,605kHz

USABLE SENSITIVITY:

MW: 250 μ V/m (Bar antenna)

MW: 30 μ V/m (Ext antenna)

SELECTIVITY: 30dB

S/N RATIO: 50dB

IMAGE REJECTION RATIO:

MW: 45dB (1,000kHz)

IF REJECTION RATIO: 35dB

(MW: 1,000kHz)

POWER SOURCE: 120V, 60Hz

DIMENSIONS:

9-7/8(W) x 2-13/16(H) x 11-1/16(D) inches
(250 x 71 x 280mm)

WEIGHT: 5.3lbs (2.4kg)



SD-L60U

Cassette Deck

Equipped with IC logic controls, this compact high-performance deck proves that size need not place limits on versatile operation.

Motorized load/eject

To simplify cassette handling, the

SD-L60 incorporates a new flywheel-assisted transport mechanism which loads the cassette into playing position with light finger pressure. A touch of the eject control and tapes are smoothly transported outward for removal.

Convenient remaining tape indicator

During recording and playback, the peak LED display may be switched to

indicate the number of minutes remaining before the tape end.

LEDs will light successively during play; when the final LED comes on, it indicates that 3 minutes remain for C-60 tapes, 4.5 minutes for C-90.

Remote control operation

A 24-pin connection terminal at the rear panel enables the SD-L60 to be utilized with the RC-R300 wireless remote control system—just one of the many exciting optionals offered with AIWA mini components.

PLUS:

- High-performance DX head
- Metal tape compatibility
- Dolby[®] noise reduction system
- Independently adjustable left/right channel record volume controls
- Rec-sync terminal for automatic recording from AIWA brand terminals
- Timer record/playback facility

SD-L60U SPECIFICATIONS

WOW & FLUTTER:

0.06% (WRMS)

S/N RATIO: 64dB (Dolby on, Metal tape)

FREQUENCY RESPONSE:

LH tape: 30 ~ 13,000Hz ($\frac{2}{3}$ dB)

25 ~ 14,000Hz

CrO₂ tape: 30 ~ 15,000Hz ($\frac{2}{3}$ dB)

25 ~ 16,000Hz

Metal tape: 30 ~ 15,000Hz ($\frac{2}{3}$ dB)

25 ~ 16,000Hz

HEAD: REC/PB: DX head

MOTOR: DC servo motor

INPUT SENSITIVITY/IMPEDANCE:

MIC: 0.5mV/200 ohms ~ 10k ohms

LINE IN: 50mV/50k ohms

POWER SOURCE: 120V, 60Hz

DIMENSIONS:

9-7/8(W) x 2-13/16(H) x 10(D) inches
(250 x 71 x 253mm)

WEIGHT: 11.0lbs (5.0kg)



AP-D60U

Direct-Drive Turntable

of the world's slimmest at just 16 inches in overall height, the AP-D60 incorporates AIWA's new "Linear direct-drive" motor for reduced wow & flutter, low rumble.

New "Integrated Tonearm" system

Because headshell, cartridge and tonearm have been designed for maximum compatibility, this new system offers a number of advantages over conventional models. Lowered mass of the integrated unit effectively increases compliance, while at the same time lowering the tonearm's resonance "Q" to minimize adverse effects of record warp frequency.

Linear DD motor

Unlike previous direct drive designs which place the motor beneath the platter spindle, the AP-D60's unique construction drives the platter by means of alternating current generated by a ring of magnets on the platter's outer edge. This enables space reduction and provides smooth rotation with a minimum of vibration.

Automatic record size selection

A photoelectric sensor mechanism below the turntable mat detects the size of the record and relays this information to the tonearm mechanism. This system ensures that the stylus will be protected from the kind of "accidents" to which non-thinking automatic turntables are so prone.

PLUS:

- Full front panel control design
- Adjustable pitch control with stroboscopic indicators
- Auto-repeat facility
- Solid, anti-howling cabinet material
- Removable dust cover

AP-D60U SPECIFICATIONS

TURNTABLE SECTION

DRIVE SYSTEM: FG direct drive system

MOTOR: 2-phase, 120-pole FG linear motor

TURNTABLE PLATTER: 30cm (11-13/16")

SPEEDS: 33-1/3 and 45rpm

WOW & FLUTTER: 0.035% (WRMS)

S/N RATIO: 70dB (DIN-B)

TO NE ARM SECTION

TYPE: Low mass straight type

EFFECTIVE ARM LENGTH: 8-1/2" (215mm)

OVERHANG: 5/8" (15mm)

TRACKING ERROR ANGLE: +3.5°, -1.1°

TRACKING FORCE: 2g

CARTRIDGE SECTION

TYPE: Moving magnet (MM) cartridge

FREQUENCY RESPONSE:

20Hz ~ 20,000Hz

OUTPUT VOLTAGE:

2.5mV (1kHz 5cm/sec.)

GENERAL

POWER SOURCE:

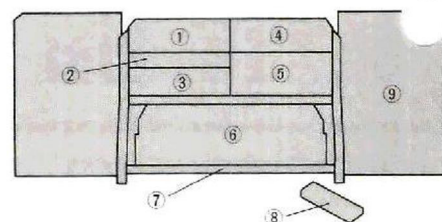
AC: 120V, 60Hz

DIMENSIONS:

16-9/16(W) x 2-13/16(H) x 14-3/16(D) inches
(420 x 71 x 360mm)

WEIGHT: 11.0lbs (5.0kg)

MINI SYSTEM M-605



- ① RC-R300 ③ SA-A60 ⑤ SD-L50 ⑦ RK-S50 ⑨ SC-E50
- ② MT-50 ④ ST-R50 ⑥ AP-D80 ⑧ RC-T300

For those who prefer an upright-loading cassette deck unit to the horizontal system featured on the SD-L60U, AIWA offers the M-605 ensemble. Other than the SD-L50U cassette deck, system is identical to the M-606.



SD-L50U

Stereo Cassette Deck

A front-loading model with all the features of full-sized units, the SD-L50 nonetheless is an incredibly compact 9-7/8 inches wide by 4-1/4 inches high, making it one of the most compact

cassette decks currently available. Circuitry and head design have been reinforced to give superb sound quality from the new high performance metal tapes. IC logic controls with a stroke of just 0.3mm contribute to the positive feeling of operation, while the dual motor drive transport holds wow & flutter to below 0.04% (WRMS). The deck can also be set to perform automatic rewind/

repeat play of one side of a tape up to 8 times or until halted manually. For accurate record level settings, 2 rows of 12 LEDs display peaks in 3 colors from -20 to +2dB (green), 0 to +4dB (yellow) and +6 to +10dB (red). By adding the optional MT-50 timer, the unit can be set for unattended recording, and in the timer's TAPE TIME mode, digital countdown display of the time remaining on the tape facilitates recording operations. The RC-R300 remote control system (another recommended optional) can be utilized for operation of all deck transport functions from up to 20 feet away.

PLUS:

- Dolby* noise reduction system
- Smooth oil-damped cassette eject
- Rec-sync operation with AIWA turntable
- Front panel mic and headphone inputs
- Digital tape counter

SD-L50U SPECIFICATIONS

WOW & FLUTTER:
0.04% (WRMS).

S/N RATIO: 64dB (Dolby on, FeCr tape)

FREQUENCY RESPONSE:

- LH tape: 30 - 13,000Hz (±3dB)
25 - 15,000Hz
- CrO₂ tape: 30 - 15,000Hz (±3dB)
25 - 17,000Hz
- Metal tape: 30 - 16,000Hz (±3dB)
25 - 17,000Hz

HEAD:

- REC/PB: Super hard permalloy head
- ERASE: Hi-Bs Ferrite double gap head

MOTOR:

- DC Servo motor x 1, DC motor x 1

INPUT SENSITIVITY/IMPEDANCE:

- MIC: 0.3mV/200 ohms ~ 10k
- LINE IN: 50mV/50k ohms

OUTPUT LEVEL/IMPEDANCE:

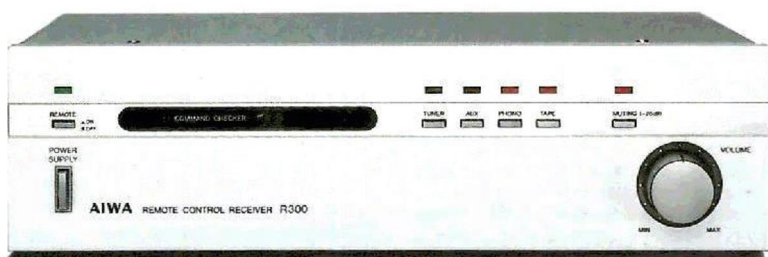
- LINE OUT: 0.41V/50k ohms
- HEADPHONE: 0.8mV/8 ohms

POWER SOURCE: 120V, 60Hz

DIMENSIONS:

- 9-7/8(W) x 4-1/4(H) x 10(D) inches
(250 x 107 x 254mm)

WEIGHT: 9.9lbs (4.5kg)



RC-R300U

Infrared Wireless Remote Control System

Designed as an optional accessory for M-605, M-606, M-505 and M-502 mini series, this remote control transmitter/receiver set provides great value in an outboard system. The compact hand-held transmitter unit performs a wide range of functions from up to 20 feet away from the main components.

RC-T300

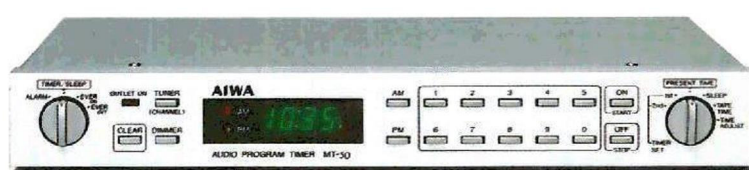
Some of the many possible wireless operations:

1. Function selection (AUX, TUNER, PHONO)
2. Tape monitor ON/OFF switching
3. Remote station selection, including one-touch tuning of up to 6 preset stations on ST-R50, 10 stations on AX-S50
4. Cassette deck transport modes (SD-L50, SD-L60)
5. UP/DOWN amplifier volume adjustment
6. Power ON/OFF switching
7. -20dB muting ON/OFF

DIMENSIONS:

250(W) x 71(H) x 253.5(D)mm
(9-7/8" x 2-13/16" x 10")

WEIGHT: 2.3kg (5.1lbs)



MT-50U

Digital Quartz Audio Timer

The functions of a timer unit were limited too long by the confines of the designer's imagination. This ultra-slim model now offers an exciting variety of functions that will add versatility and enjoyment to AIWA mini systems and make ordinary timers to seem outmoded in comparison.

Functions:

- Wake up alarm signal
 - 99-minute sleep timer
 - Program timer
- Up to two ON/OFF cycles per 24 hour period.

Remaining tape time display

When connected to the SD-L50 cassette deck, remaining tape time is displayed

in minutes and seconds. Countdown is stopped during PAUSE operation and continues when play resumes.

Automatic tuner station selection

The synthesizer preset tuning on the ST-R50 tuner and AX-S50 receiver can be programmed to select up to 6 different stations (including the same station twice or more) to come on at the time specified by the user.

Other features

- Two AC outlets on rear panel simplify system wiring
- Dimmer control switch permits adjust-
- AM/PM indicator
- Power interruption compensation
- Second synchronization facility

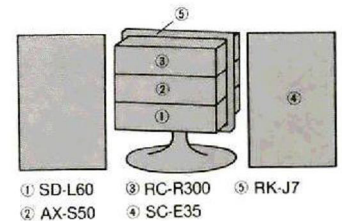
DIMENSIONS:

250(W) x 36(H) x 261.5(D)mm
(9-7/8" x 1-7/16" x 10-5/16")

WEIGHT: 1.6kg (3.5lbs)

MINI SYSTEM M-505

The 20 Watt Receiver System: A roomful of hi-fi performance from two matched units



S/N RATIO: 52dB
SELECTIVITY: 30dB
AMPLIFIER SECTION
POWER OUTPUT: 20 Watts per Channel,
Min. RMS at 8 ohms from
20Hz - 20kHz, with no more than
0.3% T.H.D.
TOTAL HARMONIC DISTORTION:
0.3% (at 8 ohms),
POWER BANDWIDTH: 10Hz - 40kHz
DAMPING FACTOR: 30
INPUT SENSITIVITY/IMPEDANCE:

Phono 2.5mV/47k ohms
Aux, Tape 150mV/47k ohms
S/N RATIO: Phono 80dB
Aux, Tape 90dB
PHONO: RIAA CURVE:
30Hz - 15kHz ± 0.5dB
PHONO OVERLOAD: 180mV (1kHz)
POWER SOURCE: 120V, 60Hz
DIMENSIONS:
9-7/8(W) x 2-13/16(H) x 12-1/2(D) inches
(250 x 71 x 316mm)
WEIGHT: 7.9lbs (3.6kg)

AX-S50U

Mini Receiver

A smart looking receiver of incredibly compact dimensions, the AX-S50 puts out a lively 20 Watts per channel; its main appeal however is in its many sophisticated features, some so advanced they are just beginning to make their appearance in current full-sized receiver models.

For fully electronic one-touch tuning capability, the tuner section incorporates a quartz PLL synthesizer which selects the station either automatically or manually. Up to 10 stations may be programmed into the tuner's "memory" and selected at random, irrespective of band. An A/B switch (A = 1-5/B = 6-10) serves to reduce the number of switches for a cleaner control arrangement.

As in other AIWA mini units, capable of an equalizer design promises high signal/noise ratio (80dB) and ample overload capability (180mV at 1kHz). The RC-R300 wireless remote control system (optional) can also be added to give the AX-S50 even more versatility; wireless remote functions include manual station tuning selection of preset radio channels and listening modes,

up/down volume adjustment and operation of the SD-L60 cassette deck.

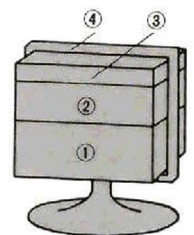
Main features:

- Adjustable synthesizer sensitivity control
- 4 digit LED tuning display
- Auto search synthesizer tuning
- 7-point LED peak power meter/tuning signal strength display
- FM muting, loudness control
- Click-stop bass/treble tone controls
- Connections for AUX, PHONO, TAPE
- Front panel headphone jack

AX-S50U SPECIFICATIONS

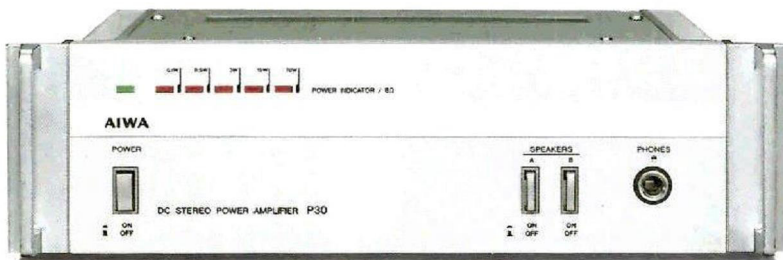
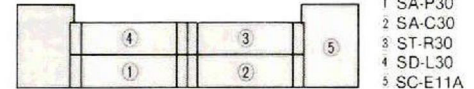
TUNER SECTION
USABLE SENSITIVITY: 11.2dBf (2 μ V, 3000 Ω)
50dB QUIETING SENSITIVITY:
Mono: 17.2dBf (4.0 μ V, 3000 Ω)
Stereo: 38.0dBf (44 μ V, 3000 Ω)
S/N RATIO: Mono 75dB
Stereo 70dB
CAPTURE RATIO: 1.5dB
SELECTIVITY: 65dB (\pm 400kHz)
T.H.D.: Mono 0.15%
Stereo 0.3%
STEREO SEPARATION: 40dB (at 1kHz)
AM TUNER SECTION
FREQUENCY RANGE:
525kHz - 1,605kHz
USABLE SENSITIVITY:
300 μ V/m (Bar antenna)
30 μ V/m (Ext. antenna)

Also available: M-502 system



MINI SYSTEM M-301

The 35 Watt System: Refinement. Ingenuity. Performance.



SA-P30U

Power Amplifier

An incredible 35 Watts per channel into 8 ohms 20 to 20,000Hz both channels driven with not more than 0.05% T.H.D.

All the advanced technology and features of mini systems would be essentially meaningless without the ability to produce sufficient power to substantiate its claims. For this reason, AIWA turned its highest priority to developing an amplifier that could satisfy the need for a practical, well balanced output while at the same time offering flawless tonal reproduction.

The 3-stage complementary DC construction means that although power output specifications can be considered moderate, performance is never marred by undesirable phase shift or noise generated by coupling capacitors in the NF loop. The P30's ability to capture all the subtle nuances of music have been consistently demonstrated during "blindfold" comparison tests using studio monitor speakers and state-of-the-art amplifier units. Truly a component that can turn skeptics into believers.

Rather than the power ICs ordinarily utilized for their advantages of space and easier assembly, AIWA's designers chose to employ carefully selected discrete components.

The high FC (frequency cutoff) of the power transistors in the P30 feature improved linearity and the ultra high speed needed to capture the most elusive changes in dynamic music signals. For absolutely stable regulation of the power supply, a high-efficiency toroidal transformer and pair of large-capacity 10,000 μ F electrolytic capacitors enable the unit's amazing reduction in size at no sacrifice in performance. Large diecast heat sinks have proved effective in dissipation of heat even during extended "torture tests" in which the P30 is driven continuously at maximum output.

Sophisticated protection circuit

A newly developed IC combines a relay and circuit breaker to suppress pop noises during power on/off switching, as well as to protect speakers from potentially harmful flow of DC.

Other features:

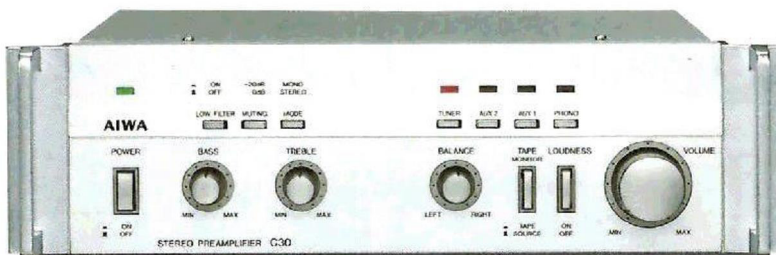
- BTL conversion switch
- 5-step logarithmic peak LED power indicator
- A/B speaker systems selector
- One-touch speaker cord connection

terminals

- Stereo headphone jack
- Rack handles included

SA-P30U SPECIFICATIONS

CIRCUITRY: DC amplifier
 OUTPUT POWER: 35 Watts per channel, Min. RMS at 8 ohms, from 20 ~ 20,000Hz, with no more than 0.05% T.H.D.
 POWER BANDWIDTH: 10Hz ~ 50kHz (Distortion under 0.05%)
 T.H.D.: 0.01% at 35W (1kHz)
 SIGNAL TO NOISE RATIO: 115dB (IHF A curve short circuit)
 INPUT SENSITIVITY/IMPEDANCE: 800mV/47k ohms
 SPEAKER: A or B 4 ~ 16 ohms
 A + B 4 ~ 16 ohms
 DAMPING FACTOR: More than 50 (at 1kHz, 8 ohms)
 FREQUENCY RESPONSE: 5Hz ~ 100kHz (+0, -1dB)
 BTL/SPIMPEDANCE CHANGE SWITCH: 4 ohms/8 ohms/BTL
 POWER SOURCE: 120V, 60Hz
 DIMENSIONS: 8-5/16(W) x 2-13/16(H) x 8-9/16(D) inches (210 x 71 x 217mm)
 WEIGHT: 8.8lbs (4kg)



SA-C30U

Stereo Preamplifier

AIWA's M-301 system of 4 discrete components subscribes to the concept that the only way to do a job properly is to specialize, so power and pre-amplifier stages have been separated to ensure optimal performance from both. Yet, the C30 is an amazingly functional unit backed up by a separate plus-minus power supply and muting relay to suppress pops and clicks during mode selection. A completely capable audio component.

Superb phono equalization

In the SA-C30, specially-selected polypropylene capacitors and metal-film resistors hold RIAA phono-equalization to within ± 0.2 dB across the entire 20 to 20,000Hz frequency range. Moreover, a high-gain IC and ultra low-noise transistor have been combined for a superb 87dB signal/noise ratio; that means noise is virtually absent from the phono circuit at any cartridge output level. A low-cut filter with a steep 6dB/oct rolloff is also provided to eliminate low frequency irregularities caused by rumble from the turntable motor or record warp.

Non-contact mode switching

Equipped with individual LED indicators to display mode settings, the switches themselves are operated without contacts, making the C30 free from signal deterioration during switching. A -20dB muting switch has also been provided to let you temporarily attenuate speaker volume without having to disturb that "just right" volume setting.

Defeatable tone controls

The click-stop bass and treble tone controls may be set to "defeat" in their center positions, thus bypassing the tone control amplifier to yield a "flat", uncolored signal.

Other features:

- Loudness compensation switch
- Balance control
- Mono/stereo selector
- Large volume control knob
- Rack handles included

SA-C30U SPECIFICATIONS

SIGNAL TO NOISE RATIO: Phono (MM) 87dB
 Tuner AUX 98dB
 RIAA DEVIATION: ± 0.2 dB (20 ~ 20,000Hz)
 PHONO OVERLOAD: 200mV (at 1kHz)
 INPUT VOLTAGE/IMPEDANCE: Phono 2.5mV/47k ohms
 Tuner 150mV/47k ohms
 AUX 150mV/47k ohms
 TAPE MONITOR: Tape in: 150mV/47k ohms
 Tape out: 150mV/47k ohms
 TONE CONTROL: Bass ± 9 dB (100Hz)
 Treble ± 7 dB (10kHz)
 LOW FILTER: 30Hz/6dB/oct
 MUTING LEVEL: -20dB
 PRE-OUT: 0.8V/47k ohms (at -40dB)
 +7dB (100Hz), +3.5dB (10kHz)
 POWER SOURCE: 120V, 60Hz
 DIMENSIONS: 8-5/16(W) x 2-13/16(H) x 9-1/16(D) inches (210 x 71 x 228.5mm)
 WEIGHT: 3.8lbs (1.75kg)