Sylvania Stereo Receivers

two new stereo receivers with remarkable performance and deluxe features

Differential input to power amplifier offers significant reductions in both Intermodulation and Total Harmonic Distortion and excellent stability for a variety of load conditions.

Isolated preamp outputs and power amp inputs for extended receiver capabilities. Use preamplifier and amplifier sections as separate components. Perfect for speaker biamplification or adding an environmental equalizer.

Sophisticated electronic mute circuitry provides pop-free switching between functions and power on/off.

Exceptional FM Sensitivity . . . 1.8 microvolts (IHF). Both with an outstanding 67 db Signal to Noise Ratio. Even distant FM stations are received with excellent clarity and low noise.

Model RS4743 has a ceramic I.F. filter in the FM tuner section that never needs alignment. Reduces adjacent and alternate channel interference. Model RS4744 features two ceramic filters for superior reduction of these two forms of interference.

Deluxe Three-Stage FM Muting . . . A separate noise amplifier is used to eliminate interstation noise without affecting FM sensitivity. A noisy stereo FM station is automatically switched to mono for clearer reception. If it is still too noisy it is completely muted.

Deluxe Baxandall Tone Controls with Darlington transistors . . . precise tailoring of bass and treble response. Plus mid-range response on Model RS4744.

three-way protection

- Electronic Current Limiting . . . protects power amplifier from short circuits and transient overloads
- Main Circuit Breaker . . . protects receiver from AC power overloads
- Speaker System Protection . . . thermal circuit breaker protects speakers from amplifier malfunction

plus

- Direct Coupled Power Amplifier
- Scratch and rumble filters
- Front panel headphone jack
- Loudness Contour Circuit
- Stereo FM indicator light
- Weighted flywheel tuning
- Illuminated dial pointer
- Two Tape Monitor Push Buttons on Model RS4744 . . . one on Model RS4743 . . . compare stereo recordings with original program source
- Built-in Sylvania Phase Q4 matrix four channel circuitry
- Cabinets of handsome Walnut grained vinyl on wood composition

treat yourself to great sound

An excellent Direct Coupled Amplifier section with power to easily drive a quality speaker system

Outstanding FM sensitivity . . . 1.9 microvolts (IHF)

Deluxe Baxandall Tone Controls

plus

- Scratch and rumble filters
- Loudness Contour Circuit
- Tape Monitor Function
- FM Muting Circuit . . . automatically eliminates interstation noise
- Front panel headphone jack
- Built-in Sylvania Phase Q4 matrix four channel circuitry
- Handsome cabinet of Walnut grained vinyl on wood composition

Stereo Receiver

RS4744

superior FM plus extra power

- 60 Watts per channel continuous (RMS) power from 20Hz to 20kHz into 8 ohms at less than .25% total harmonic distortion, both channels driven
- Phase locked loop in FM for excellent long term stability and better stereo separation
- Dual tuning meters . . . Center Tune Meter for FM. Signal Strength Meter for both AM and FM
- Front panel dynamic microphone input

Height 6″
Width 17¾″
Depth 15″

Stereo Receiver

RS4743

full power for most quality systems

- 30 Watts per channel continuous (RMS) power from 20Hz to 20kHz into 8 ohms at less than .25% total harmonic distortion, both channels driven
- Tuning meter indicates center tuning on FM and signal strength on AM

Height 6″
Width 17¾″
Depth 15″

Stereo Receiver

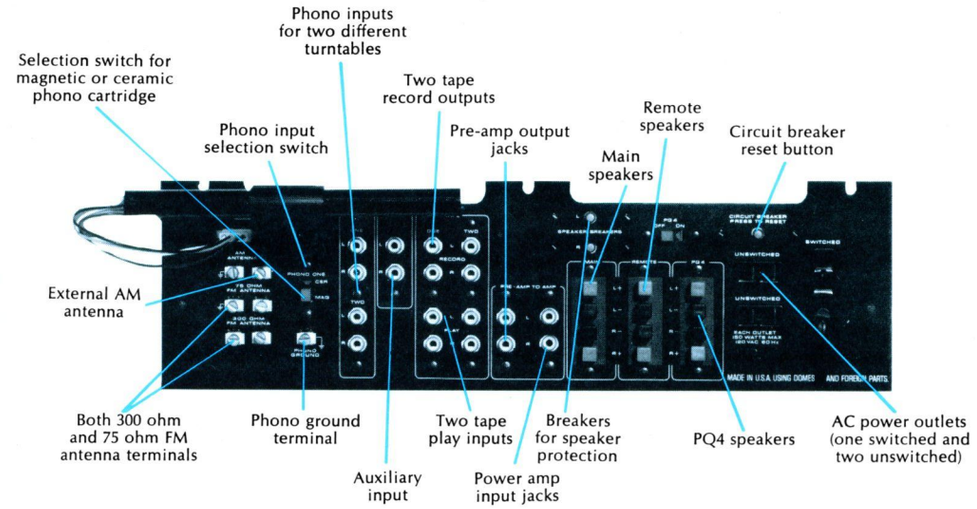
CR2742A

high performance for the value conscious

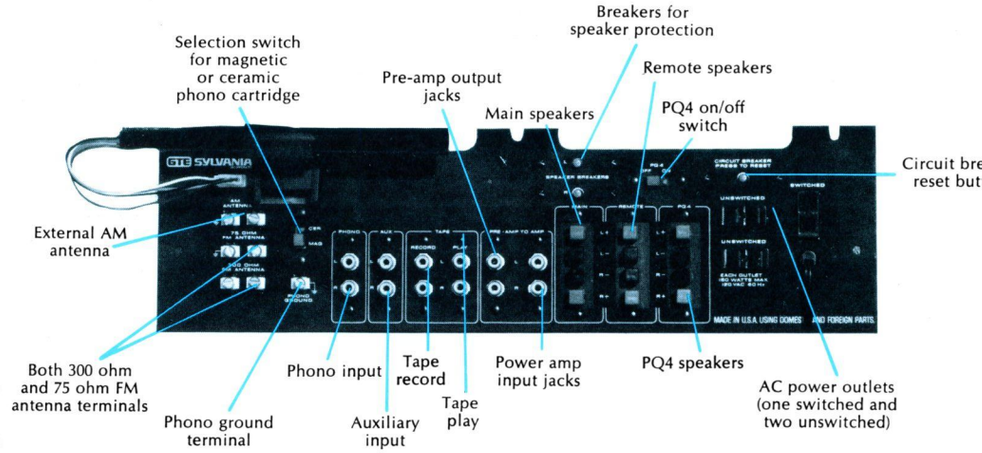
- 22 Watts per channel continuous (RMS) power from 20Hz to 20kHz into 8 ohms at less than .5% total harmonic distortion, both channels driven
- AM/FM signal strength tuning meter

Height 5⅜″
Width 16⅞″
Depth 13″

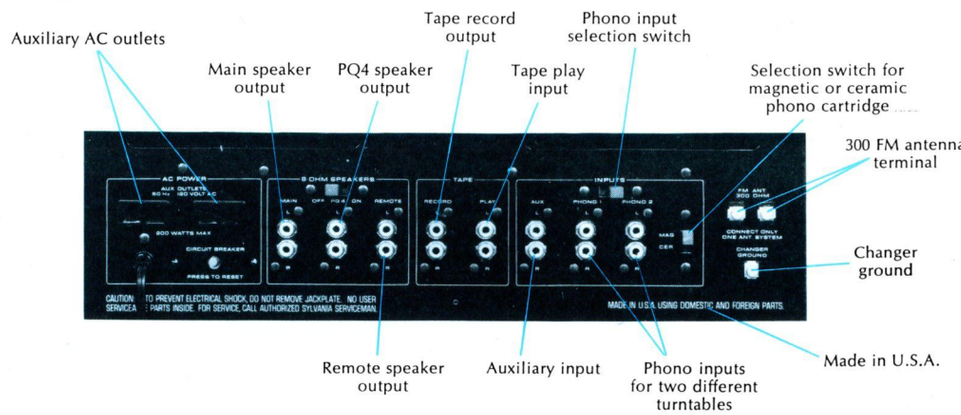

SYLVANIA MODEL RS 4744
TUNING
POWER
PHONES
MIC
SPEAKERS
MAIN
REMOTE
OFF
ON
TREBLE
MID
BASS
BALANCE
VOLUME
LEFT
RIGHT
MIN
MAX
TAPE
ONE
TWO
FILTERS
HI
LO
MONO
LOUDNESS
PHONO
AUX
AM
FM
MUTE


Phono inputs for two different turntables
Selection switch for magnetic or ceramic phono cartridge
Two tape record outputs
Phono input selection switch
Pre-amp output jacks
Remote speakers
Main speakers
Circuit breaker reset button
External AM antenna
Both 300 ohm and 75 ohm FM antenna terminals
Phono ground terminal
Two tape play inputs
Auxiliary input
Power amp input jacks
Breakers for speaker protection
PQ4 speakers
AC power outlets (one switched and two unswitched)


SYLVANIA MODEL RS 4743
TUNING
POWER
PHONES
SPEAKERS
MAIN
REMOTE
OFF
ON
TREBLE
BASS
BALANCE
VOLUME
MIN
MAX
LEFT
RIGHT
TAPE
FILTERS
HI
LO
MONO
LOUDNESS
PHONO
AUX
AM
FM
MUTE


Selection switch for magnetic or ceramic phono cartridge
Pre-amp output jacks
Breakers for speaker protection
Main speakers
Remote speakers
PQ4 on/off switch
Circuit breaker reset button
External AM antenna
Both 300 ohm and 75 ohm FM antenna terminals
Phono ground terminal
Phono input
Auxiliary input
Tape record
Tape play
Power amp input jacks
PQ4 speakers
AC power outlets (one switched and two unswitched)


SYLVANIA
model CR-2742
FM STEREO
TUNING
BALANCE
TREBLE
BASS
VOLUME
TAPE MONITOR
FM
AM
STEREO
PHONO
AUX
POWER
LOUDNESS
FM MUTE
FILTER
HI
LO
SPEAKERS
OFF
MAIN
REMOTE
PHONES
LEFT
RIGHT
MIN
MAX
OUT
IN


Auxiliary AC outlets
Tape record output
Phono input selection switch
Main speaker output
PQ4 speaker output
Tape play input
Selection switch for magnetic or ceramic phono cartridge
300 FM antenna terminal
Changer ground
Made in U.S.A.
Remote speaker output
Auxiliary input
Phono inputs for two different turntables

Sylvania Stereo Receivers

The heart of any high-performance component stereo system should be a Sylvania solid-state stereo receiver. With sophisticated design features to make the rest of your components shine. Each receiver with sensitive AM/FM tuner, high power amplifier and pre-amplifier combined in one handsome cabinet.

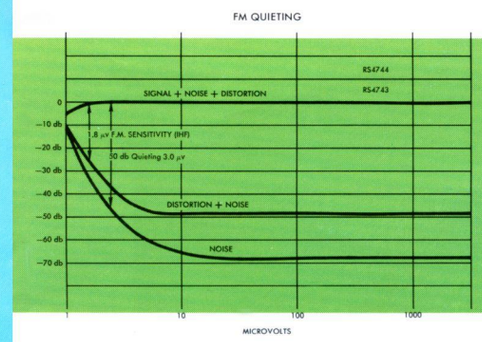
Direct coupled power amplifiers on all models assure wide power bandwidth and uniform, high damping factor down to the lowest audible bass frequencies. And large power supply electrolytics provide full range power capabilities.

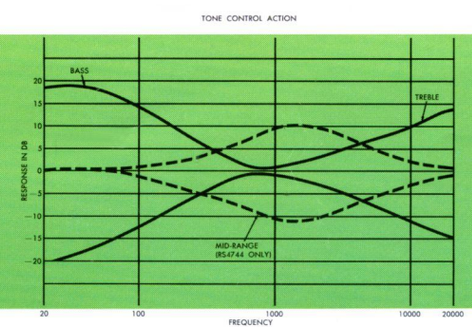
All with attractive control centers designed for convenient operation. Select functions at the push of a button—FM, AM, Phono, Tape or Auxiliary Input. Model RS4744 even has a Microphone Input that allows you to play an electronic musical instrument through your system.

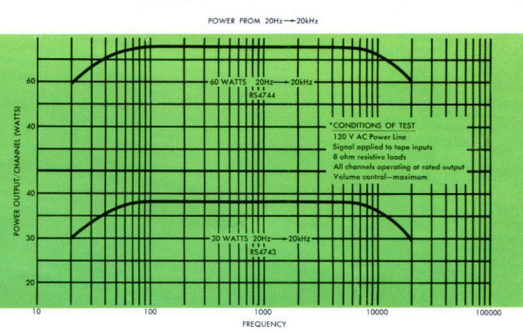
Active scratch and rumble filters on all three models reduce high and low frequency noise. And you can switch on a Loudness Contour Circuit to maintain full tonal balance even at low listening levels.

Full-feature jack panel permits a choice of inputs . . . tape, phono or auxiliary. Remote speaker jacks are also provided.

All three receivers with built-in Phase Q4 matrix circuitry for full-dimensional sound. Phase Q4 simulates the reflected sound of the concert hall. Gives the effect of four channels. Simply add a second pair of speakers and enjoy Sylvania Phase Q4. No additional decoders or amplifiers are necessary.







specifications

AMPLIFIER	RS4743	RS4744
***Power Output**	8 Ohms	8 Ohms
Rated continuous (RMS) Power	30/30W	60/60W
1kHz continuous (RMS) Power 20Hz-20kHz	38/38W	75/75W
Total IHF music power 1kHz	100W	200W
Power bandwidth (IHF)	5Hz — 30kHz	5Hz — 30kHz
Damping factor	20	20
*All power measurements are taken @ 120 volts/60 cycles; continuous power both channels operating at rated distortion and impedance.		
Distortion		
Total harmonic distortion (THD) at rated power output (8 ohms)	less than 0.25%	less than 0.25%
THD at ½ rated power (1kHz) (8 ohms)	less than 0.15%	less than 0.15%
IM distortion (60/7000, 4:1) at rated continuous power, 8 ohms	less than 0.25%	less than 0.25%
IM distortion (60/7000, 4:1) at ½ rated continuous power, 8 ohms	less than 0.15%	less than 0.15%
Frequency Response		
Frequency response at tape input ± 1 db	7Hz — 70kHz	7Hz — 70kHz
Phono equalization RIAA standard	±1.5 db	±1.5 db
Filters		
Low Filter	—20 db @ 20Hz 12 db per octave	—20 db @ 20Hz 12 db per octave
High Filter	—20 db @ 20kHz 12 db per octave	—20 db @ 20kHz 12 db per octave
Loudness Contour		
Volume Control at Number 4 Position		
50Hz	+6 db	+6 db
1000Hz	0 db	0 db
Tone Control Action		
Bass Control, 50Hz	±18 db	±18 db
Treble Control, 10kHz	±12 db	±12 db
Mid-Range Control, 1.5kHz		±10 db
Input Sensitivity		
For rated continuous power, 8 ohms, 1kHz		
Phono	2.2 mV	2.2 mV
Tape	250 mV	250 mV
Aux.	250 mV	250 mV
Power Amp	1.4 V	1.4 V
Mic.		1.2 mV
Input Impedance		
Phono	47,000 ohms	47,000 ohms
Tape	100,000 ohms	100,000 ohms
Aux.	100,000 ohms	100,000 ohms
Power Amp	100,000 ohms	100,000 ohms
Mic.		47,000 ohms
Output Level		
Pre-Amp Out	1.4 V	1.4 V
Tape Out	250 mV	250 mV
Output Impedance		
Pre-Amp Out	10,000 ohms	10,000 ohms
Tape Out	5,000 ohms	5,000 ohms
Signal-To-Noise Ratio		
Phono (Ref. 10 mV input)	70 db	70 db
Tape (Ref. 250 mV input)	75 db	75 db
Aux. (Ref. 250 mV input)	75 db	75 db
Mic. (Ref. 5 mV input)		65 db

FM TUNER	RS4743	RS4744
Usable Sensitivity (IHF) 300 ohms	1.8 μV	1.8 μV
50 db Quieting Sensitivity	3.0 μV	3.0 μV
Signal-To-Noise Ratio 100% Mod.	67 db	67 db
Capture Ratio (IHF)	1.5 db	1.5 db
Full Limiting (1 db)	1.4 μV	1.3 μV
Image Rejection	53 db	53 db
Alternate Channel Rejection (IHF)	55 db	55 db
IF Rejection @ 98MHz	50 db	50 db
Spurious Response Rejection ½ IF @ 98 MHz	80 db	80 db
AM Suppression	35 db	35 db
Total Harmonic Distortion (THD)		
FM Mono	0.5%	0.4%
FM Stereo	0.5%	0.4%
Stereo Separation		
1kHz	35 db	40 db
10kHz	25 db	30 db
FM Muting Threshold	5μV	5 μV
AM TUNER		
Sensitivity (20 db S/N) 30% mod., 400Hz, 1.4MHz	200 μV/M	200 μV/M
Image Rejection 1.4MHz	60 db	60 db
Selectivity ± 10kHz, 1.4MHz	28 db	28 db
IF Rejection 1.4MHz	65 db	65 db
AGC Figure Of Merit	43 db	43 db
Signal to Noise (1MHz)	50 db	50 db
Total Harmonic Distortion (400Hz, 50% mod.)	0.7%	0.7%

		CR2742A
	Continuous (RMS) power 20Hz-20kHz	22 Watts per channel into 8 ohms
	1kHz Continuous (RMS) power	25 Watts per channel into 8 ohms
	Total IHF music power	80 watts into 8 ohms 150 watts into 4 ohms
	Total Harmonic Distortion	Less than .5% at rated output
	Intermodulation Distortion	Less than .5% at rated output
	Frequency Response at tape inputs ± 1.5 db	17Hz-35kHz
	Power Bandwidth (IHF)	17Hz-35kHz
	Damping Factor	15
	Input Sensitivity:	
	Phono	2.6 mV
	Tape	85.0 mV
	Aux.	90.0 mV
FM	Sensitivity (IHF)	1.9 μV
	Full Limiting (1 db)	1.2 μV
	Signal to Noise	60 db
	Capture Ratio	1.5 db
	Image Rejection	60 db
	Alternate Channel Rejection (IHF)	55 db
	Stereo Separation 1kHz/10kHz	35 db/25 db
	Total Harmonic Distortion (Stereo)	0.6%
	FM Muting Threshold	5 μV
AM	Sensitivity (20 db S/N) 30% mod., 400Hz, 1.4MHz	250 μV/M
	Image Rejection 1.4MHz	80 db
	Selectivity ±10kHz, 1.4MHz	28 db

GTE SYLVANIA

AD-74020-2

05-36105-1
Printed in U.S.A.