

STAX preamplifier/power amplifier

SRA-14S



● The SRA-14S is a preamplifier specifically designed for ear speaker use. It consists of a preamplifier section including equalizers and an inter-stage amplifier together with drive unit for the ear speakers. The SRA-14S can accommodate up to two plug-in equalizer units matched to phono cartridge type, so you can customize it to fit the phono cartridge(s) in your own hifi system. (Three options: MC, MM or electret condenser cartridge equalizer.) Besides phono units, the jumper board has been prepared for line level signal input so the unit can be easily connected to other audio components as well. The equalizers all utilize STAX own exclusive circuitry and the MM and MC equalizer circuits feature the patented All-stage Ground Reference Circuit for superb static and dynamic characteristics. The Super Shunt Regulator in the equalizer circuit eliminates possible noise from the AC power supply. The ear speaker driver unit has been built to Daimler Benz specifications and is equipped with a high-voltage bias 580 V power supply circuit to accommodate the SR-APRO with its high resolution and superior bass range linearity. There is also a normal 230 V power supply circuit for conventional ear speaker use. Each has a separate ear speaker outlet. The class-A complete DC 2-stage amplifier has extremely fast transient response, wide dynamic range and strong, undistorted bass. To improve S/N ratio the power transformer is a separate unit. The SRA-14S with its unique customized phono cartridge equalizer system is designed to fully realize the sound capabilities of the SR ear speaker series and regardless of room acoustics, deliver the full sound spectrum with astonishing naturalness and purity.

SRA-14S

Pre Amplifier Section	MC:0.1 mV (low), 0.25 mV (high)/10 Ω ,
Input Sensitivity / Impedance:	30 Ω , 100 Ω , MM:2.5mV/47 k Ω , Electret Condenser Cartridge Equalizer:18 mV LINE:150 mV/50 k Ω
S/N Ratio (IHF-A network, shorted input):	MC 78 dB, MM 80 dB, LINE 100 dB
Distortion (at 3 V output):	MC 0.003%, MM 0.003% Electret Condenser Cartridge Equalizer 0.005%, LINE 0.003%
Power Amplifier Section Distortion:	0.01% (100 Hz — 10 kHz)
Input Sensitivity:	150 mV
Max. Output:	400 V (push-pull)
Dimensions (W x H x D):	224x144x403mm — (including knobs)
Weight:	6.3 kg

DA-100M



DA-50M



● The 100W monaural DC power amplifier DA-100M and the 50W monaural DC power amplifier DA-50M feature an "All-Stage Ground Reference DC Amplifier Circuit". This circuit was totally designed by STAX, and is a world's first. STAX has been engaged in research aimed at improving the quality of pure class-A amplifiers in an effort to complement the excellent quality of our speaker systems, ear speakers, and phono cartridges, all employing electrostatic drive mechanisms. The Super Shunt power supply used in the CA-X/PRO is a result of that research. This circuit was developed by us from the ground up, based on our recognition of the importance of power supplies in class-A amplifiers. This "All-Stage Ground Reference Circuit" clarifies the relationship between the signal circuits and power supply, and confirms the widely held belief that changes made to power supply circuits produce changes in the quality of the sound signal. With our successful development of this new circuit, the signal can be amplified without any coloration due to noise from the power supply leaking into the signal circuits. The audible difference is clear—no muddy sounds. The DA-100M and the DA-50M are also a fixed bias amp—completely different from today's fashionable imitation class-A power amps. It does not modify the sound signal at all, merely amplifies its output. Parts selection for the DA-100M and the DA-50M is also strict. Each component is selected for the ultimate in sound quality and reliability.

DA-100M

	DA-100M	DA-50M
Circuitry Type:	All-stage Ground Reference Pure Class-A Amplification	Monaural Power Amplifier
Max. Output Power:	100W/class A or AB (8 Ω)	50 W/class A or AB (8 Ω)
Distortion:	Less than 0.008% (10 Hz ~ 20 kHz/0.03W ~ 100W)	Less than 0.008% (10Hz ~ 20kHz/0.03W ~ 50W)
SN Ratio:	-126 dB (Input equivalent)	-122 dB (Input equivalent)
Input Level/Impedance:	1.4 V/100 k Ω	1.0 V/100 k Ω
Damping Factor:	More than 500/1 kHz	More than 500/1 kHz
Slew Rate:	100 V/ μ S	70 V/ μ S
Dimensions (W x H x D):	200 x 268 x 433 mm	133 x 226 x 375 mm
Weight:	15 kg	7.5 kg