



## TA-A1ES

### Hi-Res Integrated 2-Channel Amplifier

Integrated stereo amplifier with FET input buffer, SEPP hi-current amp and intelligent BIAS control



#### Bullets

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- High-Resolution Audio compatible
- Rigid, premium audio component construction
- Balanced audio input
- FET Input buffer for reduced distortion
- Simplified SEPP amplifier improves both power and clarity

#### Features

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##### High Resolution Audio

High-Resolution Audio takes your digital music to another level. By converting analog music to digital at a higher rate than CDs—24 bit/192 kHz, as opposed to the 16 bit/44.1 kHz rate of CDs—High-Resolution Audio delivers better-than-CD quality sound, so you get closer to the original studio master recording.

##### FET input buffer

The amplifier has been fitted with a FET input buffer and discrete circuit for the pre-amp. This reduces the effects of distortion while enhancing the sound quality of High-Resolution Audio.

##### Optimum gain volume control

We've combined the electronic volume with a discrete buffer amp – co-developed with Sony – to enhance the overall sound quality by reducing the gain error experienced by conventional amps.

##### Smart BIAS

The built-in smart BIAS system controls the amp's BIAS based on the volume position. In doing so, the amp is able to utilize a field that experiences good transistor linearity without generating heat, so the sound quality always remains true.

##### Simplified power amp circuitry

By including fewer transistors and eliminating the emitter resistor and coil & capacitor needed in the amp's final stage circuitry, we've reduced the distortion that affects the quality of your music. This means the amp can deliver a higher power output, so you can push up the volume and enjoy great, undistorted, High-Resolution Audio.

##### Make a secure connection

Poor component connections can have a significant impact on overall sound quality. The new screw-type terminals and deluxe quality shaved pin, 0.71 in pitch jack ensure a tight, secure fit between the amp and your components, reducing the chances of sound degradation.

##### Independent HP-AMP

To reflect the growing popularity of premium-quality headphones, this amp includes a specialized discrete amp with gain optimized to match headphone impedance.

#### Specifications

Amplifier / Receiver

Inputs and Outputs	Audio Inputs	1 Balanced 4 Unbalanced
	Headphone Out	Low (8 $\Omega$ ) 500 mW + 500 mW Mid (150 $\Omega$ ) 500 mW + 500 mW Hi (300 $\Omega$ ) 250 mW + 250 mW
Output Power	(8Ohms 20-20kHz) THD	0.09%
	4Ohms 20-20kHz	80W+80W
	8Ohms 1kHz	80W+80W
	8Ohms 20-20kHz	80W+80W
Amplifier/Receiver Features		
Amplifier/Receiver Features	4 Ohm/8 Ohm Switching	Yes
	Auto Standby	Yes
	Detachable AC	Yes
	Frequency Characteristics	20Hz-100KHz
	Number of Amp channels	2ch
	OP Processing	Yes
	Power Consumption	300W
	Power Consumption (Stand By)	0.4W
	Power Requirements	120V 60Hz
	Signal-to-Noise Ratio(A Network) (When all of EQ/Surround off)	96dB
	Speaker Impedance	4-16ohm
	Speaker Out	Yes (Front A - L/R)
	Speaker Terminal	Screw
	Total Harmonic Distortion	0.008% 1KHz 10W 8ohm
Installation		
Installation	IR Repeat (In/Out)	Yes (in)
Accessories		
Accessories	Supplied Accessories	Remote Control Instruction Manual AC Cable / Battery
Weights and Measurements		
Weights and Measurements	Dimensions (Approx.)	Receiver: 17 x 5 1/8 x 16 5/8 in (430mm x 130mm x 420 mm)
	Weight (Approx.)	Reciever: 37.48 lbs 11 oz (17.0 kg) Gross: 41 lbs 14 oz (19 kg)