Product Specifications
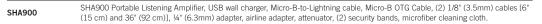
SHA900 Portable Listening Amplifier

Overview

The premium, standalone SHA900 Portable Listening Amplifier features a USB digital-to-analog-converter (DAC) that converts analog or digital audio from portable digital audio sources and computers. For use with high-quality headphones and earphones, the SHA900 features a 24 bit/ 96 kHz conversion rate, customizable 4-band parametric EQ with five standard and 4 user-defined settings, rechargeability and input level meters. The SHA900 can process both digital audio directly via micro-USB, analog via a direct line in, or bypass entirely for a pure analog signal without conversion. The SHA900 defines a new standard of portable listening that brings high-fidelity audio into the mobile demands of today's active lifestyles.

Features

- 4-band Parametric EQ features five preset settings and four customizable settings to maximize audio playback fidelity.
- Enhanced Audio Control provides additional user-friendly options to maximize audio playback fidelity
- Streamlined controls for quick and simple navigation throughout the SHA900 settings
- Multiple output gain structures optimized for both headphones and earphones
- Integrated USB rechargeable battery can conveniently charge from provided wall charger or computer, even when streaming USB audio from computer
- Compatible with Mac, PC, iOS and Android devices via included accessory assortment, featuring Micro-B to Lightning™ and Micro-B OTG cables
- Premium Shure fit and finish and construction featuring an elegantly machined aluminum housing, manufactured to exacting Shure quality standards

Available SKUs

SHA900	SHA900 Portable Listening Amplifier, USB wall charger, Micro-B-to-Lightning cable, Micro-B OTG Cable, (2) 1/8" (3.5mm) cables [6" (15 cm) and 36" (92 cm)], ¼" (6.3mm) adapter, airline adapter, attenuator, (2) security bands, microfiber cleaning cloth.

SHA900 Portable
Listening Amplifier

Specifications

Bit Depth	16-bit / 24-bit
Sampling Rate	44.1 / 48 / 88.2 / 96 kHz
Frequency Response	10 Hz to 50 kHz
Signal-to-Noise Ratio	up to 107 dB *A-weighted*
Adjustable Gain Range	-60 dB to +17 dB
THD+N	0.05% (1 kHz)
Output Power	up to 135 mW +135 mW *(16 Ω, 1% THD)* up to 95 mW +95 mW *(42 Ω, 1% THD)*
Output Impedance	0.35 Ω
Headphone Impedance Range	6 Ω to 600 Ω
Limiter	Selectable Analog RMS Limiter
Equalizer	4-band Parametric
USB Input	USB Micro-B Receptacle
Line-In Input	3.5 mm (1/8")
Headphone Output	3.5 mm (1/8")
Charging Requirements	USB-powered: 5 V/0.5 A to 1 A
Housing	Chrome Plated Aluminum
Net Weight	182.0 g (6.42oz.)
Dimensions	111 × 59 × 21 mm H × W × D
Operating Temperature Range	-18 to 57 °C (0 to 135 °F)

Battery Specifications

Battery Type	Rechargeable Li-Ion
Nominal Voltage	3.6V DC
Battery Life	Analog in (BYPASS EQ mode): up to 20 hours USB Input (EQ mode): up to 10 hours
Battery Charging Temperature Range	0 to 45 °C (32 to 113 °F)

SHA900, connected to laptop
and SRH1540 Premium
Closed-Back Headphones

SHA900, shown with
iPhone6 and SE846 Sound
Isolating™ Earphones

Compatibility Guidelines

Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad (4th generation), iPad mini, iPod touch (5th generation)

The Shure SHA900 Portable Listening Amplifier is compatible with Android devices that support USB Audio Class 2.0 and Micro-B OTG (On-The-Go) connectivity. Not all Android devices are compatible. Android is a trademark of Google Inc.

Accessories

EA2AMPBANDS	(2) Rubber Security Bands	**EACLTG-MICROB8**	Micro-B-to-Lightning Cable 8"/20.3 cm	**EAC30P-MICROB8**	Micro-B –to-30 Pin Cable, 8"/20.3 cm *(availability dependent on region)*
EA3.5MM36	1/8" (3.5mm) Cable, 36"/92 cm	**EACMICROBOTG8**	Micro-B OTG Cable, 8"/20.3 cm		
EA3.5MM6	1/8" (3.5mm) Cable, 6"/15.2 cm	**EAAMPCASE**	Leather Amplifier Case		

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