Firma: Player Plus doo
Adresa: Svetogorska 9
Telefon: +381 11 3347 442
Fax: +381 11 3347 615
PIB: 106966344
E-mail: porudzbine@player.rs

Technics SU-GX70EG-Silver
Integrisano Pojačalo i Mrežni plejer

Šifra: 17944
Kategorija prozivoda: Integrisana Pojačala
Proizvođač: Technics

Cena: 184.920,00 rsd

A heavily featured streaming amplifier that combines the sonic genes of Technics Grand Class components with a wealth of source functions, including video connectivity, the SU-GX70 Network Audio Amplifier easily integrates into the home hi-fi system with the inclusion of an HDMI ARC port.

Features
Full Digital Amp, JENO Engine

The SU-GX70 uses a fully digital amplifier that incorporates Technics' renowned digital audio technology.

Its digital transmission system processes signals fully digitally in all stages from input to output. Compared to analogue transmission, this system is less susceptible to signal degradation caused by external noise, ensuring more precise signal transmission. Accurate signal processing not only delivers high-resolution digital audio but also maintains the soft texture inherent in analogue recordings.

Further, a JENO Engine has been used in the HDMI ARC (Audio Return Channel), which has been installed in a Technics product for the first time. This helps to reduce any degradation in sound quality caused by jitter during the transmission of digital audio signals (S/PDIF), ensuring unparalleled levels of clarity in TV audio.

High-quality audio components have been used in various other locations, too. For example, chip film capacitors have been used in place of power supply noise-reduction capacitors and signal path coupling capacitors.

Ideal Impulse Response through LAPC

Speaker impedance changes with each frequency and a power amplifier is required to drive speakers without being affected by the speaker's characteristics. However, conventional digital amplifiers are connected to speakers through a low-pass filter at the output stage, so they are even more strongly affected by the speaker impedance characteristics.

Also, although the amplitude characteristics of conventional amplifiers due to negative feedback were improved, the phase characteristics could not be enhanced. We thus developed a speaker impedance adaptive optimization algorithm that performs correction to the ideal impulse response through digital signal processing by measuring the frequency amplitude-phase characteristics of the amplifier with the speakers connected.

This technique enables flattening of the frequency characteristics of amplitude and phase, which had previously not been achieved by amplifiers, while also delivering a sound with rich spatial expression.

Twin Power Supply Circuit System

The design of the power supply is extremely critical in audio systems containing amplifiers, digital circuits and other such components.

To eliminate any adverse effects on the amplifier, the SU-GX70 is equipped with a dedicated power supply for the power amplifier circuits that is independent from all other circuits. As such, the same electrolytic capacitors installed in high-end models have been used in the dedicated amplifier power supply and the power amplifier components.

Further, by using the shortest possible connection between the power supply and the power amplifier, the SU-GX70 ensures low noise and low impedance. Elsewhere, the connections between the speakers and power amplifier use non-magnetic brass screws.

The SU-GX70 uses a high-speed switching power supply of approximately 130 kHz. By increasing the switching frequency, noise interference on the music playback bandwidth is reduced. This enables highly responsive power supply for music signals and powerful speaker drive capability.

High-Quality Audio through Low-impact HDMI Video Output

For the SU-GX70 to receive audio signals through the HDMI ARC (Audio Return Channel), due to the specifications, video signals must first be output from the SU-GX70. However, the output of these signals can cause unwanted noise.

As such, the video signals are output from the SU-GX70 at a lower rate, and the digital value of the color of each pixel is set to zero. This ensures low-load operation between the HDMI transmitting/receiving devices, preventing any unwanted noise generation from the video signals. This also reduces any impact on sound quality.

Further, transmitting the signals from the TV to the JENO Engine via the shortest possible route minimizes any further impact from jitter. This is a mechanism unique to Panasonic/Technics as HDMI licensors.

Pure Amplification Model

In Pure Amplification Mode, shutting off the power supply to the network and HDMI circuits removes any noise from the device or antenna. This ensures music playback with even better clarity.

Analogue Input Using Discrete Amp Circuits

The discrete amp circuit used in the SU-GX70 was redesigned and adapted from the circuit used in the SU-R1000, and the same symmetrical layout has been used.

Further, other high-quality audio parts of the same grade as those used in the SU-R1000 have also been adopted, such as low-noise FETs, thin-film resistors, film capacitors, and electrolytic capacitors. In this way, analog input has been fine-tuned to every detail.

Abundant Input Options, Diverse Network Functions

High-quality music and audio from video source

Newly equipped with an HDMI ARC, low-impact HDMI video output ensures users can enjoy high-quality

music and audio from the video source.

Compatible with a variety of music sources

The SU-GX70 supports a variety of music sources including radio, analogue input (PHONO(MM)/LINE), optical digital input (such as TV), coaxial digital input and USB input.

Enjoyment of high-quality sound wirelessly

The SU-GX70 can play back high-resolution music wirelessly from the source stored in a smartphone, tablet or PC. It supports not only Bluetooth® and AirPlay2 but also Spotify Connect®, Internet radio and Chromecast built-in™ so that a wide range of music streaming services can be enjoyed only with the SU-GX70.

Space Tune™ for Optimal Adjustmentof Sound Quality

The SU-GX70 is equipped with the “Space Tune” function, which enables the adjustment of sound space according to the room environment and installation location so that anyone can enjoy superb music reproduction.

By using the “Technics Audio Centre*” app for tablets/smartphones or by selecting a setting from the four presets—“Free,” “Wall,” “Corner” and “In a Shelf”—using the main unit according to the installation location, the user can achieve the most suitable sound quality for a specific acoustic environment.

Furthermore, the “L/R Custom” feature lets the user enter the setting independently for the left and right speakers when the speakers are set up in different installation conditions. This brings out the best sound reproduction in any installation conditions.

* Available for iOS devices only

Premium Design

We have ensured high-quality design throughout, including the 7mm thick aluminum front panel with a hairline finish and the engraved Technics logo.

Specification	
Output Power	40W+40W(1kHz,T.H.D.1.0%,8Ω,20kHz LPF) / 80W+80W(1kHz,T.H.D.1.0%,4Ω,20kHz LPF)
FTC Output Power	30W + 30W (1kHz, T.H.D. 1.0%, 8Ω, 20kHz LPF) / 60W + 60W (1kHz, T.H.D. 1.0%, 4Ω, 20kHz LPF)
Load Impedance	4Ω-16Ω
Frequency Response	PHONO (MM): 20Hz – 20kHz (RIAA DEVIATION ±1dB, 4Ω) / LINE:20Hz – 40kHz (-3dB, 4Ω) / DIGITAL: 20Hz – 80kHz (-3dB, 4Ω)
Input Sensitivity / Input Impedance	PHONO (MM): 2.0 mV / 47 kΩ / LINE: 200 mV / 23 kΩ
Analogue Input Terminal	LINE x 2 / PHONO (MM) x1

Digital Input Terminal	Optical digital x2 / Coaxial digital x1 / USB-A x1 / USB-B x1
Analogue Output	Terminal PRE OUT x1
Digital Output	Terminal HDMI ARC
Headphone Output	Yes, Stereo Φ6.3 mm (1/4″)
USB-A	
USB-B	PC(USB-B) USB 2.0 High-speed / USB Audio Class 2.0, Asynchronous mode
LAN(DMR)	
Ethernet Interface	LAN (100BASE-TX/10BASE-T)
Wi-Fi	LAN (100BASE-TX/10BASE-T)
Chromecast built-in	Yes
AirPlay 2	Yes
Bluetooth® (Support codec)	Yes (AAC, SBC)
Tuner	FM
Power Supply	AC 120 V ,60 Hz
Power Consumption	63W
Accessories	AC Cord, FM Indoor Antena, Remote Control, Batteries for Remote Control, Owner’s Manual
Dimensions (16-15/16 x 3-55/64 x 14-31/64)inch	
Weight	Approx. 6.7Kg (Please incorporate images when they enhance the content.)