



OTTAVA™ *f*

PREMIUM ALL-IN-ONE MUSIC SYSTEM

SC-C70

Rediscover Music

Technics

Founded in 1965, the Technics brand is synonymous for sophisticated high-class audio. Applying deep audio technology expertise and constant innovation, Technics has given the world legendary amplifiers, turntables, CD players, speakers and other fine products.

Since our comeback in September 2014, Technics has once more invented proprietary, groundbreaking digital technologies including the JENO Engine and LAPC, which give Technics amplifiers the superb data precision to drive any speakers optimally.

Our complementary Emotive Acoustic Technology makes for speakers that inspire, with their amazingly clear sound image and precise, spacious soundstage.

Our Premium C700 and C500 series components offer a superb sound experience and enrich your interior with the pure, elegant design for which Technics is renowned.

And taking the vinyl experience to new heights, the SL-1200G turntable features state-of-the-art material selection and craftsmanship and are assembled with attention to every detail.

It all comes together to address the listener's desire for an unparalleled, truly moving audio experience—delivered in a compact shape.

Sound and design, created to inspire even the most demanding music lover and to transform listening spaces.

An all-in-one solution only Technics could create.

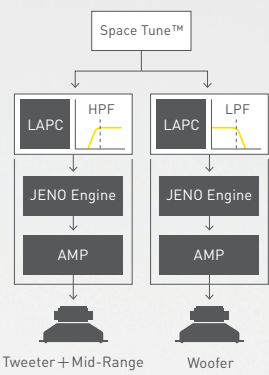
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JENO Engine

The amp section of the OTTAVA™ f succeeds the Technics Reference System design concept and embraces a fully-digital amp configuration equipped with JENO Engine (Jitter Elimination and Noise-shaping Optimization) in order to deliver all of the audio data contained in the high-resolution sound source faithfully to the speakers without loss. Moreover, the OTTAVA™ f is equipped with three units of the same JENO Engine as those used in our high-end models to optimally drive the built-in speakers, thus achieving a high-quality, integrated hi-fi system that meets Technics standards. It adopts a bi-amp structure to separately drive the woofers (low-frequency sound) and tweeter/mid-range speaker units (mid-/high-frequency sound), and utilises the high-performance signal processing circuitry (DSP) mounted in the JENO engine to achieve precise channel dividing, adjustment of time alignment between speaker units, and correction of frequency characteristics. The LAPC technology is applied even to the control of sound characteristics to realise "Space Tune™" for correcting changes in frequency characteristics that occur in actual use due to installation conditions.



LAPC

LAPC is an original Technics speaker load adaptive technology. It measures the amp's frequency amplitude phase characteristics with speakers connected to the unit, and performs digital signal processing to achieve the ideal impulse response. Characteristic parameters optimised for the low-frequency and high-frequency speaker load characteristics of speakers are already pre-set in the LAPC computation circuit of the unit to realise ideal frequency and phase characteristics over the entire frequency range.



Acoustic Lens

The OTTAVA™ f is equipped with newly developed acoustic lenses featuring the "reverse dome-shape fin" structure. The back sides of the fins are shaped to match the form of the soft-dome diaphragms of the tweeters, and positioned closely to the speaker units to provide long sound paths. This realises a wide directionality, expanded sound field and detailed high-frequency sound reproduction capability over the frequency range of 11 kHz to the high-res range. The fins are continuously connected to the Acoustic Louver on the front side to minimise disturbance to the high-frequency characteristics.



Speaker System

The speaker system consists of three types of newly developed speaker units. The high-res dome tweeters feature silk diaphragms that boast an excellent damping factor and smooth sound characteristics. The mid-range speaker units maintain an appropriate peak level and achieve seamless crossover. The woofers, which must reproduce the sound source faithfully even during high-power input, are provided with a large edge made of high-strength NBR (nitrile rubber) with a superb amplitude linearity as well as tough and flexible high-strength fiber dampers to powerfully support the large-motion voice coil bobbins. Coupled with the dual bass-reflex ports, these three types of speaker units reproduce sound over an ultra-wide frequency band in a range of 40 Hz to 50 kHz.



Space Tune™

Space Tune™ delivers optimised sound for the customer's listening environment.

■ Preset EQ provides the optimum Technics sound quickly

3 types of presets are available and choose one of them considering its placement.

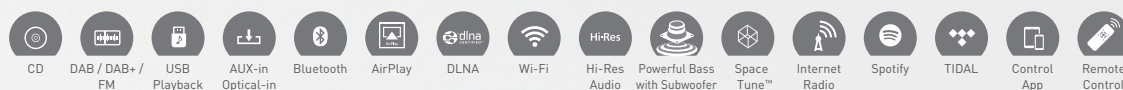


■ iOS device calibration is available for more precise adjustment

- Measure room acoustic conditions by using microphone integrated in iOS devices.
- Tune DSP parameters to optimise acoustic performance.



Supports a wide variety of music sources and high connectivity



Elegant and Timeless Design

■ Premium Material

The aluminium top panel not only gives an attractive appearance but also enhances the cabinet rigidity.

■ Elegant CD mechanism

The top-loading CD player beautifully illuminates the disc placed inside. The analogue-like operating feel gives greater pleasure for listening to your favourite CDs.

■ Aluminum Touch key

The touch keys are built into the top aluminium panel, achieving a clean and smooth design and high-quality operating feel.

■ Louver Front Grille

The louver front grille protects the speaker units and expresses the expansive and powerful sound reproduced by the OTTAVA™ f.



Twin Power Supply Circuit System

Regular power supplies use one transformer to supply power to the amp, CD drive, and digital circuits, and so if there is any load fluctuation or if noise occurs on a circuit, other circuits are affected, which results in degradation of the sound quality. This power supply system includes independently installed switch mode power supply circuitry for the amp and the other circuits, which eliminates mutual interference, thereby reducing degradation of sound quality caused by noise or power supply fluctuations. In addition, a layout with dedicated transformer and amp circuits enables the shortest possible connection to further reduce noise.

Optimally Activated Circuit System

The Optimally Activated Circuit System shuts down unneeded circuit and display to minimise the noise generated during playback.

Re-master

The CD High-Res Re-master expands the frequency band to a range equivalent to that of high-resolution audio by performing oversampling of the CD sound source and generating and adding a frequency band extension component. In addition, the high-precision signal processing circuitry of the JENO Engine is utilised to expand the frequency band of Bluetooth and Internet radio sources, in which high-frequency signals are commonly lost due to signal compression, to a range equivalent to that of a CD source.

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Specification

Accurate Digital Technology

JENO Engine (Jitter Elimination and Noise-shaping Optimisation)
Load Adaptive Phase Calibration
Space Tune™

Noiseless Signal Technology

Twin Power Supply Circuit System
Optimally Activated Circuit System
CD High-Res Re-master

Emotive Acoustic Technology

Acoustic Lens and Louver
Dual Bass Reflex Port

Output Power

Front Speaker: 30 W + 30 W (1 kHz, T.H.D. 1.0 %, 6Ω, 20 kHz LPF)
Subwoofer: 40 W (70 Hz, T.H.D. 1.0 %, 4Ω, 20 kHz LPF)

Speaker Unit

Woofer: 8 cm Cone Type x 2
Tweeter: 2 cm Dome Type x 2
Subwoofer: 12 cm Cone Type

Analogue Input Terminal

AUX IN x 1 (φ3.5 mm)

Digital Input Terminal

Optical Digital x 1, USB-A

Headphone Output

Yes φ3.5 mm

Disc Compatibility

Audio CD, CD-R/CD-RW
(CD-DA, Discs recorded and finalised on recording devices)

USB-A / DLNA Support codec

iPod/iPhone/iPad: No
WAV / FLAC / AIFF / ALAC: Yes (32, 44.1, 48, 88.2, 96, 176.4, 192 kHz / 16, 24 bit)
DSD: Yes (2.8 MHz, 5.6 MHz)
AAC: Yes (32, 44.1, 48, 88.2, 96 kHz / 16 - 320 kbps)
WMA / MP3: Yes (32, 44.1, 48 kHz / 16 - 320 kbps)

Ethernet Interface

LAN (100 Base-TX / 10 Base-T)

Wi-Fi

IEEE 802.11 b/g/n, 2.4 GHz Band (1 - 13 Channel)

AirPlay

Yes

Bluetooth (Support codec)

Yes (AAC, SBC)

vTuner / Spotify / TIDAL

Yes* / Yes* / Yes*

Tuner

DAB/DAB+/FM

Power Supply

AC 220-240 V, 50 Hz / 60 Hz

Power Consumption

45 W

Dimensions & Weight

W: 450 x H: 143 x D: 280 mm / Approx. 7.8 kg

Accessories

Remote control, AC cord, DAB indoor antenna,
Owner's manual, batteries for remote control

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Some content may not be available in the country in which you reside.

*Registration/subscription may be required. Fees may apply.

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The design and specification of products are constantly changing in the interest of improvement.

Whilst every care has been taken in the preparation of this catalogue,

some changes may not have been indicated and may have occurred after publication.

Please check with your Panasonic dealer for details.

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