

Technics

The science of sound

SU-C04 ST-C04 RS-M07



micro series

Stereo Integrated Amplifier
Quartz Synthesizer Tuner
Stereo Cassette Deck



Just 10" High with a Sound 10 Stories Tall; Technics Micro Series

What you don't need is a stereo that cramps your style. And while other stereo components may take up a great deal of space, the Micro Series is specifically designed to fit snugly into tight quarters without sacrificing the power and accessories usually associated with larger stereo systems.

Attractive, yet totally compact and powerful, Technics Micro Series combines easy operation with incredibly advanced, microchip technology to bring out the full excitement of all your favorite music.

SU-C04 **Stereo Integrated Amplifier**

Powerful Sound from Small Packages

Naturally, from Technics you'd expect superior sound to accompany such sleek styling. Thus, Technics has included New Class A power amp circuitry in the SU-C04. New Class A assures you plenty of clean power right at your fingertips. By combining Class A sound with Class B efficiency, New Class A handles the positive and

negative halves of the waveforms separately. Yet the transistors never switch off. Instead, they are maintained in a ready state by a small idler current which is in sync with the input waveform of the signal.

And with LFB (Linear Feedback Circuitry), another Technics innovation, the SU-C04 delivers *30 watts per channel continuous RMS both channels driven into 8 ohms, from 20 Hz to 20 kHz, with no more than 0.007% Total Harmonic Distortion.* That's more than enough power to drive any speaker system with exciting music that never sounds rough or distorted, even to the most critical ear. All this from a compact unit just over 2-1/2 inches high and under a foot wide.

Simple and Easy to Use

Designed with the chic, petite look of today, the SU-C04 is appealing not just for its size, but its easy operation. Soft-touch control knobs and selector buttons are neatly positioned on the front panel and LED's (Light Emitting Diodes) indicate operational functions and can be easily seen across the room.

What's more, travellers will appreciate the multi-voltage power supply, which lets you take the SU-C04 to almost any locale. Thus the Micro Series can keep pace with any individual on the move.

Two Tape Monitors with Dubbing Capability

Technics SU-C04 also lets you connect a second cassette deck to the amp and record on both at the same time. Or you can make tape copies; all controlled from the SU-C04.

ST-C04 **Digital Quartz Synthesizer** **FM/AM Tuner**

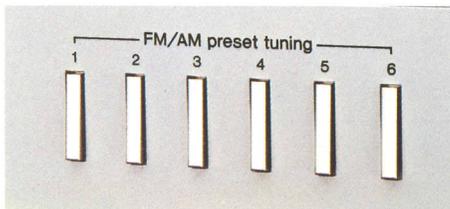
Miniaturized Components Meet Precision Tuning

In the world of tuner technology, quartz synthesizer tuning is the most accurate tuning system existing today. But it is particularly impressive in a format as small as the ST-C04. Computerized to precisely match and stabilize a station's broadcast frequency with its own internal circuitry, the ST-C04 maintains exact tuning, free of

interstation noise. And with no knobs to turn, the process is completely electronic. In fact, tuning is a simple push button operation. And there are important differences between quartz synthesizer tuning and "digital" or "quartz lock" methods. A visually displayed, digital readout is, by itself, of little practical value. More often than not, the inside of the tuner is conventional, that is, using tuning capacitors. Quartz lock is a bit closer to the perfection of quartz synthesizer tuning. But unlike the ST-C04, most quartz tuners stabilize only the local oscillator. And, as they don't usually carry a frequency matching system, perfect tuning is not assured. Thus, with quartz synthesizer tuning, you're certain to maintain the exact frequency of any station to which you're listening.

Twelve Ways to Instant Tuning Convenience

Like most of the other trim, Micro Series tuners, Technics has included preset tuning capability in the ST-C04. Up to 6 FM and 6 AM stations can be programmed into the tuner's microcomputer for instant recall with push button ease. A "gold" capacitor memory backup protects the memory without batteries for one week or more in the event of a power failure.



Autoscan Listens to Everything

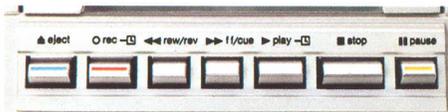
For the sophisticated tuning system, Technics has employed autoscan. At the touch of a button, autoscan samples each station until you choose the one you like. And, of course, each frequency is brightly displayed by the digital readout.



RS-M07 Stereo Cassette Deck

Soft-Touch Operation

The RS-M07 is truly one of the finest members of the Micro Series. But beyond its compact size, Technics engineering has provided the RS-M07 with a wide range of convenience features. For instance, you can switch directly from rewind to play without pressing the stop button first. The RS-M07 automatically adjusts for recording on normal, chrome and new metal tapes. Colored LED's light up to remind you which tape you're using. And to begin recording, you only need to press the REC button, while on most conventional cassette decks both PLAY and REC must be pressed.

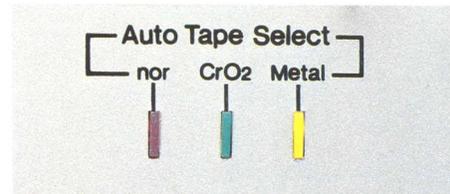


Rewind Autoplay and Cue Review

Technics has equipped the RS-M07 with rewind auto play which rewinds your tape and switches to the playback mode automatically. Thus, you spend more time listening to your music and less time pressing buttons. And the CUE and REVIEW modes keep the tape in constant contact with the record/playback tape head. Tape edits are crisp and, during fast forward and review, you can easily find a specific point on the tape.

Auto-Tape Selector

No longer do you have to remember to change the tape selector every time you use a different kind of tape. This deck automatically adjusts for recording and playback with most common tapes, just like the bigger decks do.



Metal Tape for Cleaner Sound

You may have heard that some of the newer, larger decks have "metal" tape capability, which lets you make cleaner, better recordings. And, although metal tape can be played back on most decks, it does require some added current. Technics has equipped the RS-M07 to play and record on metal tape so you can enjoy wider frequency response and lower distortion from your music library.

Additional Features

- Electronically controlled high-torque DC motor
- Precision large scale VU meters
- Automatic mic/line switching
- Full Auto-Stop
- Dolby* NR System
- Auto-timer capability for automatic recording or playback

*Dolby is a trademark of Dolby Laboratories.



Technical Specifications (IHF '78)

SU-C04

Rated minimum sine wave RMS power output	20 Hz~20 kHz both channels driven	30 W per channel (8 ohms)
	0.007% total harmonic distortion	
1 kHz continuous power output both channels driven	0.007% total harmonic distortion	30 W per channel (8 ohms)
Dynamic headroom		1.5 dB (8 ohms)
Total harmonic distortion rated power	0.007% (20 Hz~20 kHz, 8 ohms)	
	half power	0.007% (20 Hz~20 kHz, 8 ohms)
		0.003% (1 kHz, 8 ohms)
SMPTE intermodulation distortion		0.007%
Low frequency damping factor		60 (8 ohms)
Frequency response	PHONO RIAA standard curve ± 0.8 dB	
	TUNER, AUX	20 Hz~20 kHz, +0, -0.3 dB
Input sensitivity	PHONO MM	0.45 mV (2.5 mV IHF'66)
	AUX, TUNER, TAPE	25 mV (150 mV IHF'66)
Signal-to-noise ratio	PHONO MM	75 dB (82 dB, IHF'66)
	AUX, TUNER	82 dB (98 dB, IHF'66)
Maximum input voltage	PHONO MM	120 mV (130 mV, 1 kHz)
Input impedance	PHONO MM	47 kilohms
	AUX, TUNER, TAPE	22 kilohms
Tone controls	BASS	50 Hz, +10 dB~-10 dB
	TREBLE	20 kHz, +10 dB~-10 dB
Loudness control (volume at -30 dB)		50 Hz, +9 dB
Output voltage	TAPE 1, 2 REC OUT	150 mV
GENERAL		
Power consumption		195 W
Power supply		AC 110/120/220/240 V, 50/60 Hz
Dimensions (W×H×D)		297×74×230 mm (11-11/16"×2-29/32"×9-1/16")
Weight		4.5 kg (9.9 lb)

*Total harmonic distortion is measured by the digital spectrum analyzer (HP3045 system).

ST-C04

FM TUNER SECTION		
Frequency range	87.9~107.9 MHz (200 kHz step)	87.50~108.00 MHz (50 kHz step)
Sensitivity	11.2 dBf (2.0 μ V IHF'58)	
50 dB quieting sensitivity	MONO	17.5 dBf (4.1 μ V IHF'58)
	STEREO	39 dBf (49 μ V IHF'58)
Total harmonic distortion	MONO	0.1%
	STEREO	0.15%
S/N	MONO	78 dB
	STEREO	73 dB
Frequency response	20 Hz~15 kHz, +0.5 dB, -1.5 dB	
Alternate channel selectivity (normal)		60 dB
Capture ratio		1.0 dB
Image rejection at 98.1 MHz		55 dB
IF rejection at 98.1 MHz		80 dB
Spurious response rejection at 98.1 MHz		80 dB
AM suppression		55 dB
Stereo separation	1 kHz	50 dB
	10 kHz	40 dB
Carrier leak	19 kHz	-35 dB
	38 kHz	-35 dB
Antenna terminals	300 ohms (balanced)	75 ohms (unbalanced)
AM TUNER SECTION		
Frequency range	530~1620 kHz (10 kHz step)	522~1611 kHz (9 kHz step)
Sensitivity		30 μ V, 250 μ V/m
Selectivity		55 dB
Image rejection at 1000 kHz		45 dB
IF rejection at 1000 kHz		40 dB
GENERAL		
Output voltage		0.6 V (fixed)
Power consumption		8 W
Power supply		AC 110/120/220/240 V, 50/60 Hz
Dimensions (W×H×D)		297×49×232 mm (11-11/16"×1-15/16"×9-1/8")
Weight		1.8 kg (4.0 lb.)

RS-M07

Track system	4-track 2-channel stereo recording and playback
Tape speed	4.8 cm/s (1-7/8 ips)
Wow and flutter	0.048% (WRMS)
Frequency response	Metal tape; 20~18,000 Hz CrO ₂ tape; 20~18,000 Hz Normal tape; 20~17,000 Hz
Signal-to-noise ratio	Dolby NR in; 67 dB (above 5 kHz) Dolby NR out; 57 dB (signal level=max. recording level, CrO ₂ type tape)
Fast forward and rewind time	Approx. 90 seconds with C-60 cassette tape
Inputs	MIC; sensitivity 0.25 mV, input impedance 10 kilohms, applicable microphone impedance 400 ohms~10 kilohms, LINE; sensitivity 60 mV, input impedance 43 kilohms
Outputs	LINE; output level 400 mV, output impedance 1.5 kilohms or less, load impedance 22 kilohms over HEADPHONE; output level 80 mV, load impedance 8 ohms
Bias frequency	75 kHz
Heads	2-head system 1-MX head for rec/playback 1-double-gap ferrite head for erasure
Power requirements	AC 120 V, 50/60 Hz
Power consumption	10 W
Dimensions (W×H×D)	297×123×230 mm (11-11/16"×4-7/8"×9-1/16")
Weight	3.5 kg (7 lbs 11 oz)

Technics

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