

STR-GA7ES/TA-VA7ES

SERVICE MANUAL

US Model
Canadian Model
Australian Model
STR-GA7ES
Chinese Model
TA-VA7ES

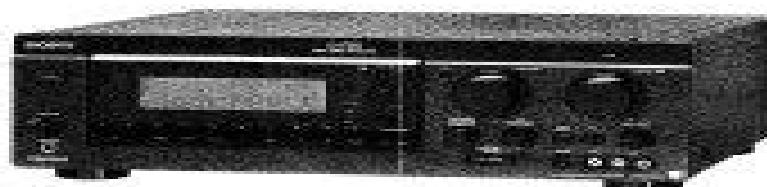


Photo: STR-GA7ES

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode 8 ohms 20 Hz - 20 kHz,
90 W + 90 W

Surround mode 8 ohms at 1 kHz,
THD 0.8 %

	TA-VA7ES	STR-GA7ES
Front	100W/ch	90 W /ch
Center	100W	90 W
Rear	40W/ch	40 W /ch

Dynamic power 140 W + 140 W, 8 ohms
output (STR-GA7ES)
240 W + 240 W, 4 ohms

Harmonic distortion at rated output Less than 0.05 %

Frequency response
THD 0.1 %
equalization curve
±0.5 dB
CD, TAPE, DAT/MD,
TV, LD, VIDEO 1, 2, 3
STR-GA7ES:
20 Hz - 20 kHz, 0 dB
TA-VA7ES:
20 Hz - 20 kHz, 0 dB

Inputs (STR-GA7ES)

	Sensitivity	Impedance	S/N*
PHONO (MM)	2.5 mV	50 kilohms	75 dB
CD, TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD	150 mV	50 kilohms	82 dB

* 75 dB

Inputs (TA-VA7ES)

	Sensitivity	Impedance	S/N (Weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	75 dB (A, 5 mV)
CD, TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD, TUNER	150 mV	50 kilohms	92 dB (A)

Outputs

REC OUT VIDEO 1, 2
(AUDIO) OUT:
Voltage 250 mV
Impedance 10 kilohms
WOOFER OUT:
Voltage 3 V
Impedance 1 kilohms
(PHONES) Accepts low
and high impedance
headphones

BASS BOOST +7 dB at 70 Hz

Digital signal processor section

Surround
DELAY TIME
In PRO LOGIC mode:
15.0 ms - 30 ms, 5 ms
step
In other sound field
modes:
5 ms - 30 ms, 5 ms step
REAR LEVEL
-15 dB - +10 dB, 1 dB
step
CENTER LEVEL**

** Only for sound fields with a CENTER
LEVEL parameter

- Continued on page 2 -

STR-GA7ES
FM STEREO/FM-AM RECEIVER

TA-VA7ES
INTEGRATED AV AMPLIFIER

SONY®

Sony Ga7es Manual

KJ Lindholm-Leary



Sony Ga7es Manual:

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Quick Start Manual ,2004
Computer Entertainment,2001

Sony Special-Effects Generator SEG-2550A/2550AP Soni-KK,1987
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