

# STR-DA3100ES

## SERVICE MANUAL

Ver. 1.3 2005.10

US Model  
Canadian Model



This receiver incorporates Dolby® Digital and Pro Logic Surround and the DTS® Digital Surround System.

\* Manufactured under license from Dolby Laboratories.

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### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS

##### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(Models of area code US only)

With 8-ohm loads, both channels driven, from 20 – 20,000 Hz, rated 120 watts per channel minimum RMS power, with no more than 0.05% total harmonic distortion from 250 milliwatts to rated output.

##### Amplifier section

###### POWER OUTPUT

Rated Power Output at Stereo Mode<sup>1)</sup>

(8-ohm 20 Hz – 20 kHz, THD≤0.05%)

120 W + 120 W<sup>2)</sup>

(4-ohm 20 Hz – 20 kHz, THD≤0.05%)

100 W + 100 W<sup>2)</sup>

Reference Power Output<sup>1)</sup>

(8-ohm 20 Hz – 20 kHz, THD≤0.05%)

FRONT<sup>2)</sup> 120 W + 120 W

CENTER<sup>2)</sup> 120 W

SURR<sup>2)</sup> 120 W + 120 W

SURR BACK<sup>2)</sup> 120 W + 120 W

(4-ohm 20 Hz – 20 kHz, THD≤0.05%)

FRONT<sup>2)</sup> 100 W + 100 W

CENTER<sup>2)</sup> 100 W

SURR<sup>2)</sup> 100 W + 100 W

SURR BACK<sup>2)</sup> 100 W + 100 W

1) Measured under the following conditions:

120 V AC, 60 Hz

2) Depending on the sound field settings and the source, there may be no sound output.

#### Frequency response

PREQO: IEC44, equalization curve  
±0.5 dB

MULTI CH IN,  
SA-CD/CD, TAPE,  
MD/DAT, DVD,  
TV/SAT, VIDEO 1, 2, 3  
ANALOG DIRECT is  
activated)

#### Inputs (Analog)

PREQO: Sensitivity: 2.5 mV  
Impedance: 50 k-Ohms  
S/N<sup>2)</sup>: 84 dB  
CA, 2.5 mV<sup>2)</sup>

MULTI CH IN,  
SA-CD/CD, TAPE,  
MD/DAT, DVD,  
TV/SAT, VIDEO 1, 2, 3  
S/N<sup>2)</sup>: 100 dB  
CA, 150 mV<sup>2)</sup>

#### 3) INPUT SHORT

4) Weighted network, input level.

#### Inputs (Digital)

SA-CD/CD, DVD  
(Coaxial): Impedance: 75-Ohms  
S/N: 100 dB  
CA, 20 kHz LPE<sup>2)</sup>

SA-CD/CD, DVD,  
TV/SAT, MD/DAT,  
VIDEO1 (Optical): S/N: 100 dB  
CA, 20 kHz LPE<sup>2)</sup>

#### Outputs

TAPE, MD/DAT (REC),  
OUT1, VIDEO 1, 2  
(S-VIDEO OUT): Voltage: 150 mV  
Impedance: 10 k-Ohms

FRONT L/R, CENTER,  
SURROUND L/R,  
SURROUND BACK  
(L/R), SUB WOOFER: Voltage: 2 V  
Impedance: 1 k-Ohms

#### EQUALIZER

Gain levels: ±10 dB, 1 dB step

#### FM tuner section

Tuning range: 87.5 – 108.0 MHz  
Antenna: FM wire antenna  
Antenna terminals: 75-ohm, unbalanced  
Sensitivity: Mono: 18.3 dBμ, 2.2 μV/75-ohm  
Stereo: 18.3 dBμ, 22.5 μV/75-ohm  
Usable sensitivity: 11.2 dBμ, 1 μV/75-ohm  
S/N: Mono: 76 dB  
Stereo: 70 dB  
Harmonic distortion at 1 kHz: Mono: 0.3%  
Stereo: 0.5%  
Separation: 40 dB at 1 kHz  
Frequency response: 30 Hz – 15 kHz,  
±0.5/-2 dB  
Selectivity: 60 dB at 400 kHz

— Continued on next page —

## FM STEREO FM/AM RECEIVER

# SONY®

# Sony Str Da3100es Service Manual

**Patrick Vollmar**



## **Sony Str Da3100es Service Manual:**

**Sony Ericsson** ,2008      DS, GS, and Depot Maintenance Manual ,1990      **DS and GS Maintenance Manual** ,1987  
*Service Manual* Zenith Radio Corporation,1947\*      *Nissan/Datsun* Nissan (Tokyo),      **Oldsmobile Service Manual** ,  
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instructions with detailed diagrams photos and specifications for the mechanical components of your vehicle such as the  
engine transmission suspension brakes fuel exhaust steering electrical and drive line Service repair manuals were originally  
written by the automotive manufacturer to be used by their dealership mechanics The following 1957 DeSoto models are  
covered Firedome Fireflite Firesweep Adventurer This factory written Detroit Iron shop manual is perfect for the restorer or  
anyone working on one of these vehicles      Service Manual ,1978      **Datsun, Model 410 Series** Nissan Jidōsha Kabushiki  
Kaisha,196?      Series 400 Service Manual Computertek,1970\*      *1964 Dodge Technical Service Manual* Dodge  
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specifications for the mechanical components of your vehicle such as the engine transmission suspension brakes fuel exhaust  
steering electrical and drive line Service repair manuals were originally written by the automotive manufacturer to be used  
by their dealership mechanics The following 1964 Dodge models are covered 330 440 Dart Polara This factory written Detroit  
Iron shop manual is perfect for the restorer or anyone working on one of these vehicles      **Datsun Service Manual** Nissan  
Jidōsha Kabushiki Kaisha,1976      **Datsun Service Manual Model C31 Series** Nissan Jidōsha Kabushiki Kaisha,1981  
**Datsun 1800 Service Manual, Model 610 Series Chassis & Body** ,1972      **Datsun Service Manual** ,1980  
Datsun Model 910 Series Service Manual ,1979      **Daihatsu Hijet English Electrical Service Manual S200p S210p**  
**S320v S330v** JAMES. DANKO,2011      *DS, GS, and Depot Maintenance Manual* ,1989      **1965 Dodge Dart Coronet**  
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OEM factory manual is 8 5 x 11 inches paperback bound shrink wrapped and contains 750 pages of comprehensive  
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as the engine transmission suspension brakes fuel exhaust steering electrical and drive line Service repair manuals were  
originally written by the automotive manufacturer to be used by their dealership mechanics The following 1965 Dodge  
models are covered Coronet Dart This factory written Detroit Iron shop manual is perfect for the restorer or anyone working

on one of these vehicles      **2004 Service Manual SRT-4 Neon** DaimlerChrysler,2003

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