

SPECIFICATIONS

AMPLIFIER SECTION

Continuous Power Output:

DRA-1025R: 125 watts per channel minimum RMS, both channels driven into 8 ohms from 20 Hz ~ 20 kHz, no more than 0.015% THD

DRA-825R: 90 watts per channel minimum RMS, both channels driven into 8 ohms from 20 Hz ~ 20 kHz, no more than 0.015% THD.

Power Bandwidth (IHF): 5 Hz ~ 40 kHz (0.05% THD, both channels driven into 8 ohms)

Total Harmonic Distortion: 0.006% (-3 dB at rated output, 8 ohms)

Frequency Response: PHONO RIAA Standard Curve (Recording Output)

MM 20 Hz ~ 20 kHz ± 0.3 dB

MC 30 Hz ~ 20 kHz ± 0.5 dB

CD, TAPE-1, 2, 20 Hz ~ 50 kHz ± 1.5 dB
VDP, VCR (at 1 W)

Input Sensitivity and Impedance:

PHONO MM 2.5 mV 47 k ohms

MC 0.2 mV 100 ohms

CD, TAPE-1, 2, 150 mV 29 k ohms
VDP, VCR

Maximum Input Level (at 1 kHz):

PHONO MM 150 mV

MC 12 mV

Signal to Noise Ratio (IHF-A):

PHONO MM 92 dB at 5.0 mV input

MC 75 dB at 0.5 mV input

CD, TAPE-1, 2, 103 dB
VDP, VCR

Tone Controls:

BASS ± 10 dB at 100 Hz

TREBLE ± 10 dB at 10 kHz

Loudness, Control Effect:

VARIABLE LOUDNESS, 10 position - 50 Hz: +10 dB, 10 kHz: +5 dB

MAIN-IN terminals

Input sensitivity/impedance:

1 V/47 k ohms

TUNER SECTION

[FM] (note: μV at 75 ohms, 0 dBf = $1 \times 10^{-15} W$)

Receiving Range: 87.5 ~ 108 MHz

Usable Sensitivity: 0.9 μV (10.3 dBf)

50 dB Quieting Sensitivity: MONO 1.5 μV (14.8 dBf)

STEREO 20 μV (37.3 dBf)

Signal to Noise Ratio (IHF-A): MONO 86 dB

STEREO 82 dB

Total Harmonic Distortion

(at 1 kHz): MONO 0.06% (WIDE)

STEREO 0.09% (WIDE)

Capture Ratio:

1.3dB

Image Rejection: 80 dB

AM Suppression: 60 dB

Selectivity (± 400 kHz): 45 dB (WIDE)

75 dB (NARROW)

Frequency Response: 20 Hz ~ 15 kHz $+0.2$ dB

-0.5 dB

Stereo Separation

(at 1 kHz): 55 dB (WIDE)

[AM]

Receiving Range: 520 ~ 1710 kHz

Usable Sensitivity: 18 μV

Signal to Noise Ratio: 55 dB

GENERAL

Power Supply: AC 120V, 60 Hz

Power Consumption: 4.5A (DRA-1025R)

3.5A (DRA-825R)

Power Outlets: SWITCHED 250 W

UNSWITCHED 100 W

Dimensions: 434 mm (17-3/32")W \times 162 mm

(6-3/8")H \times 394 mm (15-1/2")D

12.0 kg (26 lbs 7 oz) (DRA-1025R)

10.5 kg (23 lbs 2 oz) (DRA-825R)

REMOTE CONTROL UNIT

RC-108 (DRA-1025R)

RC-106 (DRA-825R)

Remote control system: Infrared pulse system

Power supply: 3V DC Two size "AAA" (R03)

dry cell batteries

External dimensions: 60 mm (2-23/64")W \times 180 mm

(7-5/64")H

\times 18 mm (45/64")D

Weight: 80 g (about 2 oz) (Including batteries)

Design and specifications are subject to change without prior notice.

This Service Manual is prepared based on U.S.A. Black Version

For U.S.A. and Canada models.

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.