

Specifications

Input jacks

- Analog Audio
[RX-A3080]
Audio (Unbalance) x 9 (AV 1-4, AUDIO 1-3, PHONO, AUX)
Audio (Balance) x 1 (AUDIO 4) (1:GND, 2:HOT, 3:COLD)
[RX-A2080]
Audio (Unbalance) x 9 (AV 1-4, AUDIO 1-3, PHONO, AUX)
- Digital Audio
Optical x 3 (AV 3, AUDIO 1-2)
(Supported sampling frequencies: 32 kHz to 96 kHz)
Coaxial x 3 (AV 1-2, AUDIO 3)
(Supported sampling frequencies: 32 kHz to 192 kHz)
- Video
Composite x 4 (AV 1-4)
Component x 2 (AV 1-2)
- HDMI Input
HDMI x 7 (AV 1-7)
- Others
USB x 1 (USB2.0)
NETWORK x 1 (100Base-TX/10Base-T)

Output jacks

- Analog Audio
 - Speaker Out x 11 (9 ch) (FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, EXTRA SP 1 L/R *1, EXTRA SP 2 L/R *2)
*1 Note: Assignment is possible
[F.PRESENCE, ZONE2, ZONE3, BI-AMP (FRONT L/R)]
*2 Note: Assignment is possible
[R.PRESENCE, ZONE2, ZONE3, F.PRESENCE]
 - Subwoofer Out x 2
(SUBWOOFER 1-2, Stereo/Front&Rear/Monaural x 2)
 - Headphone x 1

- [RX-A3080]
 - Pre Out (Unbalance) x 11 (FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, F.PRESENCE L/R *3, R.PRESENCE L/R *4)
*3 Note: barter to ZONE2
*4 Note: barter to ZONE3
 - Pre Out (Balance) x 2 (FRONT) (1:GND, 2:HOT, 3:COLD)
 - ZONE OUT x 2 (ZONE2/ZONE3)
- [RX-A2080]
 - Pre Out x 7 (FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R)
 - ZONE OUT x 2 (ZONE2/ZONE3)
- HDMI Output
HDMI OUT x 3 (HDMI OUT 1-3 *5)
*5 HDMI OUT 3 is a jack dedicated to zone out.

Other jacks

- YPAO MIC x 1
- REMOTE IN x 1
- REMOTE OUT x 1
- TRIGGER OUT x 2
- RS-232C x 1

HDMI

- HDMI Features
 - 4K UltraHD Video (include 4K/60, 50Hz 10/12bit)
 - 3D Video
 - ARC (Audio Return Channel)
 - HDMI Control (CEC)
 - Auto Lip Sync
 - 21:9 Aspect Ratio
 - Deep Color
 - x.v.Color
 - BT.2020 Colorimetry
 - HDR (High Dynamic Range)
 - HD audio playback
 - Selectable HDMI input in HDMI standby mode
 - HDMI Zone Output

- Video Format (Repeater Mode)
 - VGA
 - 480i/60 Hz
 - 576i/50 Hz
 - 480p/60 Hz
 - 576p/50 Hz
 - 720p/60 Hz, 50 Hz
 - 1080i/60 Hz, 50 Hz
 - 1080p/60 Hz, 50 Hz, 30 Hz, 25 Hz, 24 Hz
 - 4K/60 Hz, 50Hz, 30 Hz, 25 Hz, 24 Hz
- Supported Audio Formats
 - Dolby Atmos
 - DTS:X
 - Dolby TrueHD
 - Dolby Digital Plus
 - Dolby Digital
 - DTS-HD Master Audio
 - DTS-HD High Resolution
 - DTS Express
 - DTS
 - DSD 2.8 MHz 2-ch to 6-ch
 - PCM 2-ch to 8-ch (Max. 192 kHz/24 bit)
- Content Protection: HDCP compatible
(HDMI [AV 1-7]: HDCP 2.2/2.3 compatible)

TUNER

- Analog Tuner
[Australia model]
DAB/FM x 1 (TUNER)
[U.K., Europe, Middle East and Russia models]
DAB/FM with Radio Data System x 1 (TUNER)
[Other models]
FM/AM x 1 (TUNER)

USB

- Capable of Mass Storage Class USB Memory
- Current Supply Capacity: 1 A

Bluetooth

- Sink Function
 - Source Device to AVR (ex. Smartphone/Tablet)
- Capable of Play/Stop Operation from Sink Device
- Bluetooth Version..... Ver. 4.2
- Supported Profile
 - Sink FunctionA2DP, AVRCP
- Supported Codec
 - Sink Function SBC, AAC
- Wireless Output..... Bluetooth Class 2
- Maximum Communication Distance10 m (33 ft)

MusicCast

- Controlled by MusicCast Application (iOS, Android)
- MusicCast Link ClientMain, Zone2, Zone3
- MusicCast Link Master (Input Source).....NET/USB/Bluetooth, Analog External Input, Digital External Input, Zone2
- Network ConnectivityExtend Mode, Connect

Network

- PC Client Function
- AirPlay supported
- Internet Radio
- Wi-Fi function
 - Capable of WPS by PIN Method and Push-Button-Method
 - Capable of sharing with iOS devices by wireless connection and USB connection
 - Capable of Direct Connection with Mobile Device
 - Available Security Method: WEP, WPA2-PSK (AES), Mixed Mode
 - Radio Frequency Band: 2.4/5 GHz
 - Wireless LAN Standards: IEEE 802.11 a/b/g/n/ac*
 - * 20 MHz channel bandwidth only

Compatible Decoding Formats

- Decoding Format
 - Dolby Atmos
 - Dolby TrueHD, Dolby Digital Plus
 - Dolby Digital
 - DTS:X
 - DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS Express
 - DTS 96/24, DTS-ES Matrix 6.1, DTS-ES Discrete 6.1
 - DTS Digital Surround
- Post Decoding Format
 - Dolby Surround
 - Neural:X
 - DTS Neo:6 Music, DTS Neo:6 Cinema

Audio Section

- Rated Output Power (2-channel driven)
[RX-A3080]
(20 Hz to 20 kHz, 0.06% THD, 6 Ω)
Front L/R 165 W+165 W
Center..... 165 W
Surround L/R..... 165 W+165 W
Surround Back L/R..... 165 W+165 W
Front Presence L/R 165 W+165 W
(20 Hz to 20 kHz, 0.06% THD, 8 Ω)
Front L/R 150 W+150 W
Center..... 150 W
Surround L/R..... 150 W+150 W
Surround Back L/R..... 150 W+150 W
Front Presence L/R 150 W+150 W
(1 kHz, 0.9% THD, 8 Ω)
Front L/R 165 W+165 W
Center..... 165 W
Surround L/R..... 165 W+165 W
Surround Back L/R..... 165 W+165 W
Front Presence L/R 165 W+165 W

- [RX-A2080]
(20 Hz to 20 kHz, 0.06% THD, 6 Ω)
Front L/R.....150 W+150 W
Center150 W
Surround L/R150 W+150 W
Surround Back L/R150 W+150 W
Front Presence L/R.....150 W+150 W
(20 Hz to 20 kHz, 0.06% THD, 8 Ω)
Front L/R.....140 W+140 W
Center140 W
Surround L/R140 W+140 W
Surround Back L/R140 W+140 W
Front Presence L/R.....140 W+140 W
(1 kHz, 0.9% THD, 8 Ω)
Front L/R.....155 W+155 W
Center155 W
Surround L/R155 W+155 W
Surround Back L/R155 W+155 W
Front Presence L/R.....155 W+155 W
- Rated Output Power (1-channel driven)
[RX-A3080]
(1 kHz, 0.9% THD, 6 Ω)
Front L/R..... 200 W/ch
Center 200 W/ch
Surround L/R 200 W/ch
Surround Back L/R 200 W/ch
Front Presence L/R..... 200 W/ch
(1 kHz, 0.9% THD, 8 Ω)
Front L/R..... 185 W/ch
Center 185 W/ch
Surround L/R 185 W/ch
Surround Back L/R 185 W/ch
Front Presence L/R..... 185 W/ch
(1 kHz, 0.9% THD, 4 Ω)
Front L/R [U.K., Europe and Russia models]..... 230 W/ch

[RX-A2080]

(1 kHz, 0.9% THD, 6 Ω)

Front L/R 190 W/ch

Center 190 W/ch

Surround L/R 190 W/ch

Surround Back L/R 190 W/ch

Front Presence L/R 190 W/ch

(1 kHz, 0.9% THD, 8 Ω)

Front L/R 175 W/ch

Center 175 W/ch

Surround L/R 175 W/ch

Surround Back L/R 175 W/ch

Front Presence L/R 175 W/ch

(1 kHz, 0.9% THD, 4 Ω)

Front L/R [U.K., Europe and Russia models] 220 W/ch

• Maximum Effective Output Power (1-channel driven)

[RX-A3080]

(1 kHz, 10% THD, 6 Ω)

Front L/R 230 W/ch

Center 230 W/ch

Surround L/R 230 W/ch

Surround Back L/R 230 W/ch

Front Presence L/R 230 W/ch

(1 kHz, 10% THD, 8 Ω)

Front L/R 230 W/ch

Center 230 W/ch

Surround L/R 230 W/ch

Surround Back L/R 230 W/ch

Front Presence L/R 230 W/ch

[RX-A2080]

(1 kHz, 10% THD, 6 Ω)

Front L/R 220 W/ch

Center 220 W/ch

Surround L/R 220 W/ch

Surround Back L/R 220 W/ch

Front Presence L/R 220 W/ch

(1 kHz, 10% THD, 8 Ω)

Front L/R 220 W/ch

Center 220 W/ch

Surround L/R 220 W/ch

Surround Back L/R 220 W/ch

Front Presence L/R 220 W/ch

• Dynamic Power (IHF)

[RX-A3080]

Front L/R (8/6/4/2 Ω) 175/220/295/410 W

[RX-A2080]

Front L/R (8/6/4/2 Ω) 165/210/285/405 W

• Damping Factor

Front L/R, 1 kHz, 8 Ω 150 or more

• Input Sensitivity / Input Impedance

PHONO (1 kHz, 100 W/8 Ω) 3.5 mV/47 kΩ

AUDIO 2 etc. (1 kHz, 100 W/8 Ω) 200 mV/47 kΩ

• Maximum Input Signal

PHONO (1 kHz, 0.5% THD) 45 mV

AUDIO 2 etc. (1 kHz, 0.5% THD) 2.4 V

• Rated Output Level / Output Impedance

PRE OUT

SUBWOOFER (50 Hz) 1.0 V/470 Ω

Except SUBWOOFER (1 kHz) 1.0 V/470 Ω

ZONE OUT 1.0 V/470 Ω

• Maximum Output Level

PRE OUT/ZONE OUT 2.0 V

• Headphone Impedance 16 Ω or more

• Frequency Response

AUDIO 2 etc. (10 Hz to 100 kHz) +0/-3 dB

• RIAA Equalization Deviation

PHONO (20 Hz to 20 kHz) 0±0.5 dB

• Total Harmonic Distortion

[RX-A3080]

PHONO to PreOut (1 kHz, 1 V) 0.04% or less

AUDIO 2 etc. to Speaker Out (20 Hz to 20 kHz, 75 W/ 8 Ω)

..... 0.04% or less

[RX-A2080]

PHONO to PreOut (1 kHz, 1 V) 0.04% or less

AUDIO 2 etc. to Speaker Out (20 Hz to 20 kHz, 70 W/ 8 Ω)

..... 0.04% or less

• Signal to Noise Ratio (IHF-A Network)

(Pure Direct, Input 1 kΩ Shorted, Speaker Out)

PHONO 95 dB or more

AUDIO 2 etc. 110 dB or more

• Residual Noise (IHF-A Network)

Speaker Out 150 μV or less

• Channel Separation

(Input 1 kΩ Shorted, 1 kHz/10 kHz)

PHONO 75 dB/60 dB or more

AUDIO 2 etc. 75 dB/60 dB or more

• Volume Control

Main Zone MUTE, -80 dB to +16.5 dB (0.5 dB Step)

Zone2/Zone3 MUTE, -80 dB to +16.5 dB (0.5 dB Step)

• Tone Control Characteristics

Main Zone

Bass Boost/Cut ±6.0 dB/50 Hz (0.5 dB Step)

Bass Turnover 350 Hz

Treble Boost/Cut ±6.0 dB/20 kHz (0.5 dB Step)

Treble Turnover 3.5 kHz

Zone2/Zone3

Bass Boost/Cut ±6.0 dB/50 Hz (0.5 dB Step)

Bass Turnover 350 Hz

Treble Boost/Cut ±6.0 dB/20 kHz (0.5 dB Step)

Treble Turnover 3.5 kHz

• Filter Characteristics

(fc=40/60/80/90/100/110/120/160/200 Hz)

H.P.F. (Front, Center, Surround, Surround Back: Small)

..... 12 dB/oct.

L.P.F. (Subwoofer) 24 dB/oct.

Video Section

• Video Signal Type NTSC/PAL/SECAM

• Video Signal Level

Composite 1 Vp-p/75 Ω

Component

Y 1 Vp-p/75 Ω

Pb/Pr 0.7 Vp-p/75 Ω

• Video Maximum Input Level 1.5 Vp-p or more

FM Section

- Tuning Range
[U.S.A. and Canada models] 87.5 MHz to 107.9 MHz
[Brazil, Asia, Taiwan, Central and South America and General models]
.....87.5/87.50 MHz to 108.0/108.00 MHz
[U.K., Europe and Russia models] 87.50 MHz to 108.00 MHz
[Other models]..... 87.50 MHz to 108.00 MHz
- 50 dB Quiet Sensitivity (IHF, 1 kHz, 100% MOD.)
Monaural.....3 μ V (20.8 dBf)
- Signal to Noise Ratio (IHF)
Monaural/Stereo 69 dB/68 dB
- Harmonic Distortion (IHF, 1 kHz)
Monaural/Stereo 0.5%/0.6%
- Antenna Input..... 75 Ω unbalanced

AM section (except Australia, U.K., Europe, Middle East and Russia models)

- Tuning Range
[U.S.A. and Canada models] 530 kHz to 1710 kHz
[Brazil, Asia, Taiwan, Central and South America and General models]
.....530/531 kHz to 1710/1611 kHz
[Other models]..... 531 kHz to 1611 kHz

DAB section (Australia, U.K., Europe, Middle East and Russia models)

- Tuning Range..... 174 MHz to 240 MHz (Band III)
- Support Audio Format MPEG 1 Layer II/MPEG-4 HE-AAC v2
- Antenna..... 75 Ω unbalanced

General

- Power Supply
[U.S.A. and Canada models] AC 120 V, 60 Hz
[Brazil and Central and South America models]
..... AC 110 to 120/220 to 240 V, 50/60 Hz
[Taiwan model].....AC110 to 120 V, 50/60 Hz
[China model] AC 220 V, 50 Hz
[Korea model] AC 220 V, 60 Hz
[Australia model] AC 240 V, 50 Hz
[U.K., Europe and Russia models] AC 230 V, 50 Hz
[Asia model] AC 220 to 240 V, 50/60 Hz

- Power Consumption 490 W
- Standby Power Consumption
HDMI Control Off, Standby Through Off, Network Standby Off
..... 0.1 W
HDMI Control On, Standby Through On (No Signals),
Network Standby Off 1.4 W
HDMI Control Off, Standby Through Off, Network Standby On,
Bluetooth Standby Off
Wired 1.4 W
Wireless (Wi-Fi) 1.7 W
HDMI Control Off, Standby Through Off,
Network Standby On (Wired), Bluetooth Standby On 1.5 W
HDMI Control On, Standby Through On, Network Standby On
(Wi-Fi), Bluetooth Standby On 2.5 W
- Maximum Power Consumption
[Brazil, Asia, Taiwan, Central and South America and General models]
.....1210 W
- Dimensions (W x H x D)
.....435 x 192 x 474 mm (17-1/8" x 7-1/2" x 18-5/8")
* Including legs and protrusions
- Reference Dimensions (W x H x D) (with wireless antenna upright)
.....435 x 269 x 474 mm (17-1/8" x 10-5/8" x 18-5/8")
* Including legs and protrusion
- Weight
[RX-A3080]
[China, Australia, U.K., Europe, Middle East and Russia models]
..... 19.6 kg (43.2 lbs)
[Other models]..... 18.1 kg (39.9 lbs)
[RX-A2080] 17.0 kg (37.5 lbs)

* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

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