

Specifications

The specifications of this unit are as follows.

Input jacks

Analog Audio

- Audio x 4 (including AUX)

Digital Audio (Supported frequencies: 32 kHz to 96 kHz)

- Optical x 1
- Coaxial x 2

Video

- Composite x 3

HDMI Input

- HDMI x 4

Other jacks

- USB x 1 (USB2.0)
- NETWORK (Wired) x 1 (100Base-TX/10Base-T)

Output jacks

Analog Audio

- Speaker Out x 5 (FRONT L/R, CENTER, SURROUND L/R*)
* Note: assignment is possible [SURROUND, BI-AMP (FRONT L/R), ZONE B]
- Subwoofer Out x 1
- Headphone x 1

Video

- Composite x 1

HDMI Output

- HDMI OUT x 1

Other jacks

YPAO MIC 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, Deep Color, "x.v.Color", HD audio playback, Selectable HDMI input in HDMI standby mode, 21:9 Aspect Ratio, BT.2020 Colorimetry, HDR Compatible (HDR10, Dolby Vision, HLG)

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/60Hz, 50Hz, 30 Hz, 25 Hz, 24 Hz

Audio Format

- Dolby TrueHD
- Dolby Digital Plus
- Dolby Digital
- DTS-HD Master Audio
- DTS-HD High Resolution Audio
- DTS Express
- DTS
- DSD 2-ch to 6-ch (2.8 MHz)
- PCM 2-ch to 8-ch (Max. 192 kHz/24-bit)

Content Protection: HDCP 2.2/2.3 compatible

Link Function: CEC supported

TUNER

Analog Tuner

- [RX-V485 U.K., Europe, Russia and Middle East models]
FM/AM with Radio Data System x 1 (TUNER)
- [RX-V485 Other models]
FM/AM x 1 (TUNER)
- [RX-D485 U.K. and Europe models]
DAB/FM with Radio Data System x 1 (TUNER)
- [RX-D485 Australia model]
DAB/FM x 1 (TUNER)

USB

Capable of Mass Storage Class USB Memory

Current Supply Capacity: 1.0 A

Bluetooth

Sink Function

- Source Device to AVR (ex. Smartphone/Tablet)
- Supported profile
 - A2DP, AVRCP
- Supported codec
 - SBC, AAC

Source Function

- AVR to Sink Device (ex. Bluetooth Headphone)
- Supported profile
 - A2DP, AVRCP
- Supported codec
 - SBC

Capable of Play/Stop Operation from Sink Device

Bluetooth version

- Ver. 4.2

Wireless output

- Bluetooth Class 2

Maximum communication distance

- 10 m (33 ft) without interference

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
- Available Security Method: WEP, WPA2-PSK (AES), Mixed Mode, None
- Wireless LAN Standards: IEEE 802.11 a/b/g/n/ac*
 - * 20 MHz channel bandwidth only

Compatible Decoding Formats

Decoding Format

- Dolby TrueHD, Dolby Digital Plus
- Dolby Digital
- DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS Express
- DTS, DTS 96/24

Post Decoding Format

- Dolby Pro Logic II Music, Dolby Pro Logic II Movie, Dolby Pro Logic II Game
- DTS Neo: 6 Music, DTS Neo: 6 Cinema

Audio Section

Rated Output Power (2-channel driven)	
[U.S.A. and Canada models] (20 Hz to 20 kHz, 0.09% THD, 8 Ω) [Other models] (20 Hz to 20 kHz, 0.09% THD, 6 Ω) – Front L/R	80 W+80 W
[U.S.A. and Canada models] (1 kHz, 0.9% THD, 8 Ω) – Front L/R – Center – Surround L/R	95 W+95 W 95 W 95 W+95 W
Rated Output Power (1-channel driven)	
[U.S.A. and Canada models] (1 kHz, 0.9% THD, 8 Ω) [Other models] (1 kHz, 0.9% THD, 6 Ω) – Front L/R, Center, Surround L/R	115 W/ch
Maximum Effective Output Power (1-channel driven)	
[U.S.A. and Canada models] (1 kHz, 10% THD, 8 Ω) – Front L/R, Center, Surround L/R (1 kHz, 10% THD, 6 Ω) – Front L/R, Center, Surround L/R	140 W/ch 145 W/ch
[Other models] (1 kHz, 10% THD, 6 Ω) – Front L/R, Center, Surround L/R	135 W/ch
Dynamic Power (IHF)	
[U.S.A. and Canada models] – Front L/R (8/6/4/2 Ω) [Other models] – Front L/R (6/4/2 Ω)	110/130/160/180 W 110/130/160 W
Damping Factor	
Front L/R, 20 Hz to 20 kHz, 8 Ω	100 or more
Input Sensitivity / Input Impedance	
AV 2 etc. (1 kHz, 100 W/6 Ω)	200 mV/47 k Ω
Maximum Input Signal	
AV 2 etc. (1 kHz, 0.5% THD, Effect On)	2.3 V

Output Level / Output Impedance	
SUBWOOFER	1 V/1.2 k Ω
Headphone Jack Rated Output / Impedance	
AV 2 etc. (1 kHz, 50 mV, 8 Ω)	100 mV/470 Ω
Frequency Response	
AV 2 etc. to Front (10 Hz to 100 kHz)	+0/-3 dB
Signal to Noise Ratio (IHF-A Network)	
AV 2 etc. (DIRECT) (Input 1 kΩ Shorted, Speaker Out)	110 dB or more
Residual Noise (IHF-A Network)	
Front L/R (Speaker Out)	150 μ V or less
Channel Separation	
AV 2 etc. (Input 1 kΩ Shorted, 1 kHz/10 kHz)	70 dB/50 dB or more
Volume Control	
- Range - Step	MUTE, -80 dB to +16.5 dB 0.5 dB
Tone Control Characteristics	
- Bass Boost/Cut - Bass Turnover - Treble Boost/Cut - Treble Turnover	$\pm$ 6 dB/0.5 dB Step at 50 Hz 350 Hz $\pm$ 6 dB/0.5 dB Step at 20 kHz 3.5 kHz
Filter Characteristics	
(fc=40/60/80/90/100/110/120/160/200 Hz)	
- H.P.F. (Front, Center, Surround) - L.P.F. (Subwoofer)	12 dB/oct. 24 dB/oct.

Video Section

Video Signal Type	
• [U.S.A., Canada, Korea, Taiwan, Brazil and General models]	NTSC
• [Other models]	PAL
Video Signal Level	
• Composite	1 Vp-p/75 Ω
Video Maximum Input Level	
1.5 Vp-p or more	
Video Signal to Noise Ratio	
50 dB or more	

FM Section

Tuning Range	
• [U.S.A. and Canada models]	87.5 MHz to 107.9 MHz
• [Asia, Taiwan, Brazil, General, and Central and South America models]	87.5/87.50 MHz to 108.0/108.00 MHz
• [U.K. and Europe 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 μV (20.8 dBf)
Signal to Noise Ratio (IHF)	
• Monaural	65 dB
• Stereo	64 dB
Harmonic Distortion (IHF, 1 kHz)	
• Monaural	0.5%
• Stereo	0.6%
Antenna Input	
75 Ω unbalanced	

AM Section (RX-V485)

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

DAB Section (RX-D485)

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]	AC 110 to 120/220 to 240 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
• [UK, Europe, Russia and Middle East models]	AC 230 V, 50 Hz
• [Asia and General models]	AC 220 to 240 V, 50/60 Hz
Power Consumption	
260 W	

Standby Power Consumption	
• HDMI Control Off, Standby Through Off	0.1 W
• HDMI Control On, Standby Through Auto (No Signals)	1.0 W
• HDMI Control On, Standby Through On (No Signals)	1.0 W
• HDMI Control Off, Standby Through Off, Network Standby On	
– Wired	1.3 W
– Wireless (Wi-Fi)	1.4 W
• HDMI Control On, Standby Through On, Network Standby On	
– Wired	2.1 W
– Wireless (Wi-Fi)	2.2 W
• HDMI Control Off, Standby Through Off, Bluetooth Standby On	1.4 W
• HDMI Control On, Standby Through On, Bluetooth Standby On	2.0 W

Maximum Power Consumption	
• [Taiwan and General models]	600 W

Dimensions (W x H x D)	
	435 x 161 x 327 mm (17-1/8" x 6-3/8" x 12-7/8")

Reference Dimensions (with wireless antenna upright)	
* Including legs and protrusions	435 x 225.5 x 327 mm (17-1/8" x 8-7/8" x 12-7/8")

Weight	
	7.8 kg (17.2 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.

Default settings

Default settings of the Option menu

The default settings of the "Option" menu are as follows.

Tone Control	Treble, Bass Bypass (0.0 dB)
* When both "Treble" and "Bass" are 0.0 dB, "Bypass" appears.	
DSP/Surround	
• DSP Level	0 dB
• Adaptive DRC	Off
• Enhancer	
– TUNER, (network sources), AirPlay, SERVER, NET RADIO, Bluetooth, USB	On
– Others	Off
Volume Trim	
• Input Trim	0.0 dB
• Subwoofer Trim	0.0 dB
• ZoneB Trim	0.0 dB
Lipsync	On
Video Out	Off
FM Mode	Stereo
Shuffle	Off
Repeat	Off
Volume Interlock	Limited

Default settings of the Setup menu

The default settings of the "Setup" menu are as follows.

Speaker

Configuration	
• Power Amp Assign	Surround
• Subwoofer	Use
• Front	Small
• Center	Small
• Surround	Small
• Crossover	80 Hz
• Subwoofer Phase	Normal
• Extra Bass	Off
• Virtual CINEMA FRONT	Off

Distance	3.00 m (10.0 ft)
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Level	0.0 dB
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Equalizer	Off
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Test Tone	Off
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HDMI

HDMI Control	Off
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Audio Output	Off
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Standby Through	Off
-----------------	-----

4K Upscaling	Off
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HDCP Version	
• HDMI 1-4	Auto

TV Audio Input	AUDIO1
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Standby Sync	Auto
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ARC	On
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SCENE	
• BD / DVD, TV	On
• NET, RADIO	Off

Sound

DSP Parameter	
• Panorama	Off
• Center Width	3
• Dimension	0
• Center Image	0.3
• Monaural Mix	Off

Lipsync	Auto
• Select	

(This setting is effective when a TV that supports an automatic lipsync function is connected to the unit via HDMI.)

• Adjustment	0 ms
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Dialogue	
• Dialogue Level	0

Volume	
• Scale	dB
• Dynamic Range	Maximum
• Max Volume	+16.5 dB
• Initial Volume	Off
• ZoneB Volume	Sync.

ECO

Auto Power Standby	
- U.K., Europe, Russia, Middle East and Korea models - Other models	20 minutes Off
ECO Mode	Off

Function

Input Rename	
- HDMI 1-4 - Others	Auto Manual
(For AUX, AUDIO3, TUNER, MusicCast Link, SERVER, NET RADIO, USB only "Manual" can be selected.)	
Input Skip	Off
Dimmer	0
Memory Guard	Off
Remote Color Key	Default

Network

Information	-
Network Connection	Wired
IP Address	
DHCP	On
MAC Address Filter	Off
DMC Control	Enable
Network Standby	Auto
Network Name	-
MusicCast Link Power Interlock	Off

Network Update	-
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Bluetooth

Bluetooth	On
Audio Receive	
- Disconnect - Bluetooth Standby	- On
Audio Send	
- Transmitter - Device Search	Off -

Language

English

Default settings of the ADVANCED SETUP menu

The default settings of the "ADVANCED SETUP" menu are as follows.

SP IMP. (U.S.A. and Canada models only)	8 Ω MIN
REMOTE ID	ID1
TU (Asia, Taiwan, Brazil, General, and Central and South America models only)	FM50/AM9
TV FORMAT	
- U.S.A., Canada, Korea, Taiwan, Brazil and Central and South America models - Other models	NTSC PAL
4K MODE	MODE 1
BKUP/RSTR	BKUP
INIT	CANCEL
UPDATE	USB
VERSION	-

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