

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)	
<ul style="list-style-type: none"> [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) <ul style="list-style-type: none"> – Front L/R 80 W+80 W [U.S.A. and Canada models] (1 kHz, 0.9% THD, 8 Ω) <ul style="list-style-type: none"> – Front L/R 95 W+95 W – Center 95 W – Surround L/R 95 W+95 W 	
Rated Output Power (1-channel driven)	
<ul style="list-style-type: none"> [U.S.A. and Canada models] (1 kHz, 0.9% THD, 8 Ω) [Other models] (1 kHz, 0.9% THD, 6 Ω) <ul style="list-style-type: none"> – Front L/R, Center, Surround L/R 115 W/ch 	
Maximum Effective Output Power (1-channel driven)	
<ul style="list-style-type: none"> [U.S.A. and Canada models] (1 kHz, 10% THD, 8 Ω) <ul style="list-style-type: none"> – Front L/R, Center, Surround L/R 140 W/ch (1 kHz, 10% THD, 6 Ω) <ul style="list-style-type: none"> – Front L/R, Center, Surround L/R 145 W/ch [Other models] (1 kHz, 10% THD, 6 Ω) <ul style="list-style-type: none"> – Front L/R, Center, Surround L/R 135 W/ch 	
Dynamic Power (IHF)	
<ul style="list-style-type: none"> [U.S.A. and Canada models] <ul style="list-style-type: none"> – Front L/R (8/6/4/2 Ω) 110/130/160/180 W [Other models] <ul style="list-style-type: none"> – Front L/R (6/4/2 Ω) 110/130/160 W 	
Damping Factor	
<ul style="list-style-type: none"> Front L/R, 20 Hz to 20 kHz, 8 Ω 100 or more 	
Input Sensitivity / Input Impedance	
<ul style="list-style-type: none"> AV 2 etc. (1 kHz, 100 W/6 Ω) 200 mV/47 kΩ 	
Maximum Input Signal	
<ul style="list-style-type: none"> AV 2 etc. (1 kHz, 0.5% THD, Effect On) 2.3 V 	

Output Level / Output Impedance	
<ul style="list-style-type: none"> SUBWOOFER 1 V/1.2 kΩ 	
Headphone Jack Rated Output / Impedance	
<ul style="list-style-type: none"> AV 2 etc. (1 kHz, 50 mV, 8 Ω) 100 mV/470 Ω 	
Frequency Response	
<ul style="list-style-type: none"> AV 2 etc. to Front (10 Hz to 100 kHz) +0/-3 dB 	
Signal to Noise Ratio (IHF-A Network)	
<ul style="list-style-type: none"> AV 2 etc. (DIRECT) (Input 1 kΩ Shorted, Speaker Out) 110 dB or more 	
Residual Noise (IHF-A Network)	
<ul style="list-style-type: none"> Front L/R (Speaker Out) 150 μV or less 	
Channel Separation	
<ul style="list-style-type: none"> AV 2 etc. (Input 1 kΩ Shorted, 1 kHz/10 kHz) 70 dB/50 dB or more 	
Volume Control	
<ul style="list-style-type: none"> Range MUTE, -80 dB to +16.5 dB Step 0.5 dB 	
Tone Control Characteristics	
<ul style="list-style-type: none"> Bass Boost/Cut \pm6 dB/0.5 dB Step at 50 Hz Bass Turnover 350 Hz Treble Boost/Cut \pm6 dB/0.5 dB Step at 20 kHz Treble Turnover 3.5 kHz 	
Filter Characteristics	
(fc=40/60/80/90/100/110/120/160/200 Hz)	
<ul style="list-style-type: none"> H.P.F. (Front, Center, Surround) 12 dB/oct. L.P.F. (Subwoofer) 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 μ V (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
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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)
Level	0.0 dB
Equalizer	Off
Test Tone	Off

HDMI

HDMI Control	Off
Audio Output	Off
Standby Through	Off
4K Upscaling	Off
HDCP Version	
• HDMI 1-4	Auto

TV Audio Input	AUDIO1
Standby Sync	Auto
ARC	On
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	
• Select	Auto
(This setting is effective when a TV that supports an automatic lipsync function is connected to the unit via HDMI.)	
• Adjustment	0 ms
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	20 minutes
• Other models	Off

ECO Mode	Off
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Function

Input Rename	
• HDMI 1-4	Auto
• Others	Manual
(For AUX, AUDIO3, TUNER, MusicCast Link, SERVER, NET RADIO, USB only "Manual" can be selected.)	

Input Skip	Off
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Dimmer	0
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Memory Guard	Off
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Remote Color Key	Default
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Network

Information	-
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Network Connection	Wired
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IP Address	
• DHCP	On

MAC Address Filter	Off
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DMC Control	Enable
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Network Standby	Auto
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Network Name	-
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MusicCast Link Power Interlock	Off
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Network Update	-
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Bluetooth

Bluetooth	On
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Audio Receive	
• Disconnect	-
• Bluetooth Standby	On

Audio Send	
• Transmitter	Off
• Device Search	-

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
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REMOTE ID	ID1
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TU (Asia, Taiwan, Brazil, General, and Central and South America models only)	FM50/AM9
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TV FORMAT	
• U.S.A., Canada, Korea, Taiwan, Brazil and Central and South America models	NTSC
• Other models	PAL

4K MODE	MODE 1
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BKUP/RSTR	BKUP
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INIT	CANCEL
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UPDATE	USB
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VERSION	-
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