

Specifications

Center unit specifications

Center unit (YAS-CU209) specifications are as follows.

Amplifier section

Maximum rated output power	
• Front L/R	50 W × 2ch

Speaker section

Front L/R	
• Type	Acoustic suspension type (non-magnetic shielding)
• Driver	4.6 cm (1-3/4") cone × 4
• Frequency response	190 Hz to 22 kHz
• Impedance	4 Ω (8 Ω × 2)
Tweeter	
• Driver	2.5 cm (1") dome × 2
• Frequency response	9 kHz to 22 kHz
• Impedance	4 Ω

Decoder

Supported audio signal (HDMI/optical input)	PCM (up to 5.1ch) Dolby Digital (up to 5.1ch) DTS Digital Surround (up to 5.1ch)
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Input jacks

HDMI	1 (HDMI IN)
Digital (optical)	1 (TV)

Output jacks

HDMI	1 (HDMI OUT (ARC))
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Other jacks

USB	1 (UPDATE ONLY)
LAN	1 (NETWORK)

Bluetooth

Function	Sink function (source device to this unit)
Bluetooth version	Ver 4.2
Supported profiles	A2DP
Supported codecs	Sink function: SBC, AAC
Bluetooth class	Bluetooth Class 2
Range (line-of-sight)	Approx. 10 m (33 ft)
Supported content protection method	SCMS-T (sink function)

[U.K. and Europe models]	
• Radio frequency	2402 MHz to 2480 MHz
• Maximum output power (EIRP)	8.8 dBm (7.6 mW)

Network

Ethernet standard	100BASE-TX/10BASE-T
Supported codecs	
	WAV (PCM format only) /FLAC: up to 192 kHz
	ALAC: up to 96 kHz
	MP3/WMA/MPEG-4 AAC: up to 48 kHz

Wi-Fi function

• Wireless LAN standards:	IEEE802.11b/g/n
• Radio frequency band	2.4 GHz
• Available security method:	WEP, WPA2-PSK (AES), Mixed Mode

[U.K. and Europe models]	
• Radio frequency	2402 MHz to 2482 MHz (20 MHz)
• Maximum output power (EIRP)	18.1 dBm (64.6 mW)

General

Power supply	
• [U.S.A. and Canada models]	AC 100 to 120 V, 50/60 Hz
• [Australia model]	AC 100 to 240 V, 50/60 Hz
• [U.K., Europe and Russia models]	AC 100 to 240 V, 50/60 Hz
• [General model]	AC 100 to 240 V, 50/60 Hz
• [Taiwan and Mexico models]	AC 100 to 120 V, 50/60 Hz
• [China model]	AC 100 to 240 V, 50/60 Hz
• [Korea model]	AC 100 to 240 V, 50/60 Hz

Power consumption	
	25 W
	4.3 W (Voice Control Ready)

Standby power consumption	
• [U.S.A., Canada, Taiwan and Mexico models]	
– HDMI control off, network standby off	0.2 W
– HDMI control off, network standby on (Wired/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W
– HDMI control on, network standby off	0.6 W
– HDMI control on, network standby on	2.2 W
• [U.K. and Europe models and other models]	
– HDMI control off, network standby off	0.2 W
– HDMI control off, network standby on (Wired/Wi-Fi/Bluetooth)	1.6/1.8/1.7 W
– HDMI control on, network standby off	0.6 W
– HDMI control on, network standby on	2.2 W

Dimensions (W x H x D)	
	930 × 62 × 109 mm
	(38-5/8" × 2-1/2" × 4-1/4")

Weight	2.7 kg (6 lbs)
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■ NOTE

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.

Subwoofer specifications

Subwoofer (NS-WSW44) specifications are as follows.

Amplifier section

Maximum rated output power	100 W
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Speaker section

• Type	Bass reflex type (non-magnetic shielding type)
• Driver	16 cm (6-1/2") cone × 1
• Frequency response	34 Hz to 190 Hz
• Impedance	2 Ω
• Radio frequency band	2.4 GHz
• Transmission range	10 m ([33 ft] without interference)

[U.K. and Europe models]

- Radio frequency 2405.35 MHz to 2477.35 MHz
- Maximum output power (EIRP) 9.0 dBm (7.9 mW)

General

Power supply

- [U.S.A. and Canada models] AC 100 to 120 V, 50/60 Hz
- [Australia model] AC 100 to 240 V, 50/60 Hz
- [U.K., Europe and Russia models] AC 100 to 240 V, 50/60 Hz
- [General model] AC 100 to 240 V, 50/60 Hz
- [Taiwan and Mexico models] AC 100 to 120 V, 50/60 Hz
- [China model] AC 100 to 240 V, 50/60 Hz
- [Korea model] AC 100 to 240 V, 50/60 Hz

Power consumption	20 W
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Standby power consumption

- [U.S.A., Canada , Taiwan and Mexico models] 0.8 W
- [U.K. and Europe models and other models] 0.8 W

Dimensions (W × H × D)	191 × 420 × 406 mm (7-1/2" × 16-1/2" × 16)
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Weight	7.9 kg (17.4 lbs)
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Supported HDMI audio and video formats

The following HDMI audio and video formats can be used by the unit.

Audio signals

Audio signal types	Audio signal formats
2ch Linear PCM	2ch, 32 kHz to 192 kHz, 16/20/24 bit
Multi-ch Linear PCM	6ch, 32 kHz to 192kHz, 16/20/24 bit
Bitstream	Dolby Digital, DTS

Video signals

The unit is compatible with the following video signals.

- Deep Color
- x.v.Color
- 3D video signal
- High Dynamic Range (HDR) video
 - HDR10
 - HLG

The unit is compatible with the following resolutions.

- VGA
- 480i/60 Hz
- 480p/60 Hz
- 576i/50 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, 50 Hz, 30 Hz, 25 Hz, 24 Hz

Copyright protection standard

This unit supports HDCP version 2.3.

■ NOTE

- Refer to documentation supplied with the AV device, and set the device appropriately.
- When CPPM copy-protected DVD-Audio is played back, video and audio signals may not be output depending on the type of the DVD player.
- The unit is not compatible with HDCP-incompatible HDMI or DVI devices. Refer to documentation supplied with the HDMI or DVI device for HDCP compatibility.
- To decode audio bitstream signals on the unit, set the input source device appropriately so that the device outputs the bitstream audio signals directly (does not decode the bitstream signals on the device). Refer to documentation supplied with the device for details.
- The resolution of transmitted video signal varies according to specifications of the TV connected to the unit.
- The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website to download the manual file.

Supported digital audio formats

The following digital audio formats can be used by the unit.

Optical

Audio signal types	Audio signal formats
2ch Linear PCM	2ch, 32 kHz to 96 kHz, 16/20/24 bit
Bitstream	Dolby Digital, DTS

HDMI (ARC)

Audio signal types	Audio signal formats
2ch Linear PCM	2ch, 32 kHz to 96 kHz, 16/20/24 bit
Bitstream	Dolby Digital, DTS

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