YAMAHA

AV Receiver
RX-V685

7.2-channel AV receiver with advanced features and enhanced functionality, including two HDMI® outputs and MusicCast Surround capability.

MusicCast
SURROUND

Wi-Fi
CERTIFIED

WI-FI PROTECTED SETUP

DOLBY ATMOS · dtsX · MusicCast · Bluetooth · Works with Apple AirPlay · Spotify · TIDAL · DEEZER · qobuz · Zone2

HDMI · COMPATIBLE DOLBY VISION · HDCP2.2 · 4K Ultra HD Pass-Through/Upscaling · CINEMA DSP 3D DIGITAL · VIRTUAL Presence Speaker · SILENT CINEMA · compressed music ENHANCER · SCENE · YPAO · ECO mode

*Streaming service availability varies by region.

Audio Features

- 7-channel powerful surround sound
  90 W per channel (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2-ch driven)
  150 W per channel (4 ohms, 1 kHz, 0.9% THD, 1-ch driven)
  150 W per channel (8 ohms, 1 kHz, 10% THD, 1-ch driven)
- Dolby Atmos® and DTS:X™ support
- Full discrete amp configuration
- Pure Direct for pure Hi-Fi sound quality enjoyment
- Low jitter PLL circuitry helps optimise sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- 4 x Burr-Brown 384 kHz / 32-bit digital-to-analog converters for main zone
- High-resolution digital music files playback via USB storage device
  or a networked computer
  (FLAC: up to 192 kHz / 24-bit, WAV / AIFF: up to 192 kHz / 32-bit)
- DSD audio playback up to 11.2 MHz
- Apple® Lossless audio playback
- Compressed Music Enhancer for Bluetooth®
- Phono input for vinyl playback

Video Features

- HDMI® (5 in / 2 out) with HDR10, Dolby Vision™ and Hybrid Log-Gamma
- 4K Ultra HD Pass-through (4K / 60p, 4:4:4) and HDMI Audio Return Channel
- 4K video upscaling from Analogue and HDMI input

Advanced Features

- Amazon Alexa voice control compatibility* (*Availability varies by region)
- Ability to add wireless surround speaker/s*
  (*MusicCast 20 or MusicCast 50)
- MusicCast for audio enjoyment in every room
- Bluetooth for wireless music streaming (SBC / AAC)
- Bluetooth Output for Convenient Music Streaming
- Network functions
  - Built-in Wi-Fi with 2.4GHz/5GHz dual band support
  - Easy Wi-Fi setup i.e. iOS Wi-Fi settings sharing, WPS etc.
  - AirPlay® allows music streaming from Mac, PC, iPod®, iPhone®, iPad®
  - AV Controller app for operating various functions from iOS or Android
    smartphones and tablets
  - Access to: Internet Radio (airable radio): MP3, WMA Streaming Services
    (Spotify®*, Pandora®*, Tidal*, Deezer*, Quboz*, JUKE*)
    *Streaming service availability varies by region.
    Music files on PC / NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless,
    AIFF, DSD
  - Compatible with streaming from media servers
  - Triggered Auto Playback with MusicCast devices
- Wireless Direct connects a mobile device directly without home network
- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for USB thumbdrives
- Advanced GUI on-screen display with HD capability
- HDMI CEC with versatile control from AV receiver remote control

- YPAO™ R.S.C. (Reflected Sound Control) sound optimisation for automatic
  speaker setup
- Ability to change HDMI input while in Standby Through mode
- Audio Delay for adjusting Lip-Sync (0-500 ms)
- Video out feature (for TUNER / USB / NET / Bluetooth / AUDIO)
- Surround Channels assignable for Zone 2, or bi-amping front speakers
- Zone 2 speaker output provides 2-channel sound in a second room
- SCENE buttons with direct power on
  - Selectable BD / DVD, TV, FM / AM radio and Net Radio stations, tune-in NAS
  - Quick and simple to use
  - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programmes)
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the centre of the screen
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front
  Presence Speakers
- Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel
  system
- YPAO™ Volume to ensure natural sounds even at low volume
- Zone Extra Bass for more powerful bass sound in another room (Zone 2)
- Zone Volume Equalizer for optimum sound balance in another room (Zone 2)
- Extra Bass enriches the powerful bass sound even with small speakers
- SILENT CINEMA to enjoy surround sound with headphone
- Two subwoofer outputs (simultaneous outputs)

Versatile Zone Control

- Pre-out terminal for Zone 2 with volume control
- Zone 2 on / off and control on front panel
- Zone mono, Zone volume, Zone tone controls, Zone balance and Zone audio delay
- Party mode
- Remote input/output
- Programmable +12V trigger output

Eco-Friendly Design

- ECO mode operation for about 20 %* less power consumption
  *Compared to power consumption when ECO mode is off
   (Yamaha measurement)
- Auto power standby function with variable time setting
- With an advanced energy saving design, This AV receiver achieves a
  low power consumption of not more than two watts when in
  Network Standby mode.

Yamaha Music (Asia) Private Limited – AV Marketing

Powered by music

RX-V685 AV Receiver

Explore Every Dimension

This AV receiver features Dolby Atmos® and DTS:X™ compatibility, for breathtakingly realistic surround sound, positioning and moving individual sounds to any virtual point in your room.

Professional-grade Sound Optimisation

YPAO™-R.S.C. (Reflected Sound Control) corrects early reflections and delivers ideal listening space with perfectly balanced sound. It's like having a professional installer calibrate your system.

YPAO Reflected Sound Control
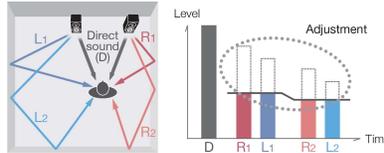
Free and Easy Placement

Wireless Rear combines with wireless streaming speakers, giving you the amazing convenience of a wireless home theatre, for stunningly realistic sound with a clean, clutter-free setup.

MusicCast 20   or   MusicCast 50

Main Specifications

Audio Section

Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2-ch driven)	
Front L/R	90 W + 90 W
Rated Output Power (4 ohms, 1 kHz, 0.9% THD, 1-ch driven)	
Front L/R	150 W + 150 W
Maximum Effective Output Power (8 ohms, 1 kHz, 10% THD, 1-ch driven)	
Front L / R	150 W + 150 W
Centre	150 W
Surround L / R	150 W + 150 W
Surround Back L / R	150 W + 150 W
Dynamic Power / Ch (Front L / R, 8/6/4/2 ohms)	125/165/190/235W

General

Standby Power Consumption	
HDMI Control Off, Network Standby Off	0.1 W
HDMI Control On, Standby Through On, Network Standby Off	1.1 W
Network Standby On	1.8 W (Wireless)
Dimensions (W x H x D) Without Antenna	435 x 171 x 378 mm
With Antenna Up	435 x 248 x 378 mm
Weight	10.5 kg
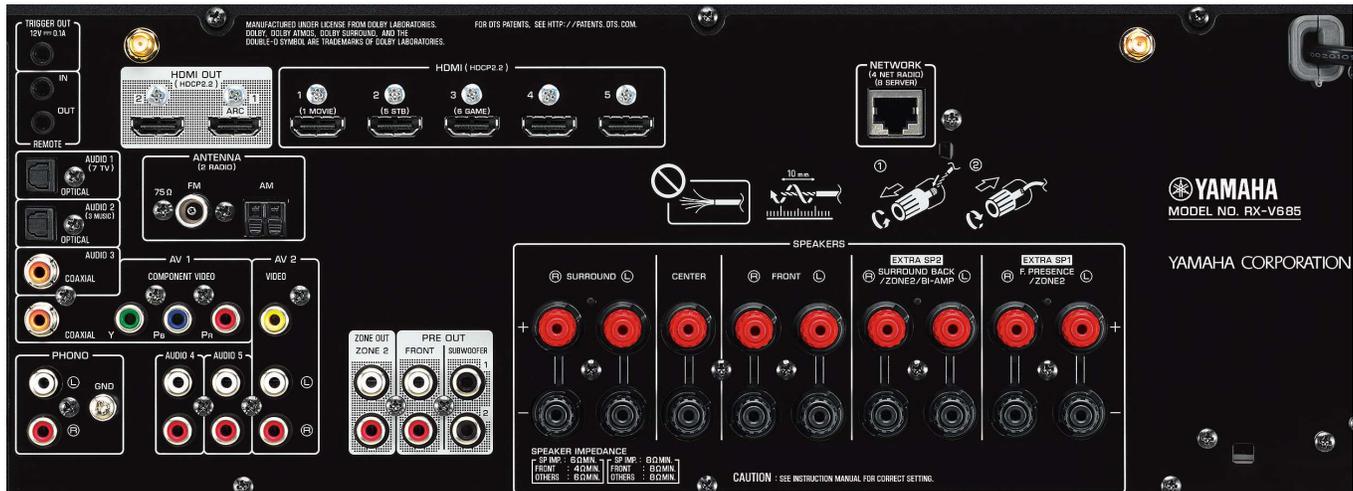
Extensive Connections

Inputs

HDMI (Assignable, HDCP2.2 HDR10 / Dolby Vision / HLG compatible)	5
Network (Ethernet / Wi-Fi)	1 / 1
USB	1
Radio Antenna (FM / AM)	1 / 1
Optical Digital	2
Coaxial Digital	2
Analogue Audio (incl. Mini Jack Input and Phono)	5
Composite / Component (Audio Input Assignable) Video	1 / 1

Outputs

HDMI (HDCP2.2, HDR10 / Dolby Vision / HLG and BT.2020 compatible)	2
Speaker (without subwoofer)	7-ch / 9 ter
Subwoofer	2 x mono
Headphone Jack	1

Others

Pre-Out / Zone 2 Audio Out	2-ch / 2-ch
Remote In / Out	1 / 1
+12V / 0.1A Trigger Out	1

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