Overview

Signal processor at the heart of the ADECIA, Yamaha's Complete and Customizable Communications Solutions.

Rear Panel

Features

- Up to 2 RM-CG and 2 VXL1B-16P can be connected via PoE switch SWR2311P-10G
- Automatically recognizes connected devices on the same network for audio routing
- Equipped with the Auto Tuning functions that automatically measure and provide the optimum sound settings for the environment
- Equipped with the Auto Mixer functions that automatically optimizes the mixing balance of audio input via Dante
- Equipped with various input/output connections such as USB, VoIP, analog, and Bluetooth
- Standard network audio support for "Dante"; all compatible devices can be connected with single network cable

Specifications

General Specifications

Description		Remote Conference Processor
Dimensions (W x D x H)		215mm x 260mm x 44mm
Weight		1.6kg
Power Requirements		PoE+ (IEEE 802.3at, LLDP), DC 48V
Maximum Power Consumption		15.0W
In Operation	Temperature	0°C - 40°C
	Humidity	30% - 90% (no condensation)
Storage	Temperature	-20°C - 60°C
	Humidity	20% - 90% (no condensation)
Indicator		Power Indicator, Status Indicator, Bluetooth Indicator, Network Port Indicator x 3
Accessories		Installation manual, USB cable (A-B) 5m (16.4ft), USB cable (A-microB) 1m (3.3ft), Rubber foot x 4, Access panel
Options		RM-MTL: Table Mount Kit, RM-MRK: Rack Mount Kit

Network Specifications

Ethernet Port 1 (Dante)	Dante, Remote Control, Web UI, PoE+
Ethernet Port 2/3 (Corporate)	Corporate Network, Remote Control, SIP*, Web UI
USB Network (Front)	USB2.0, Network Class: WebUI, Fixed IP
Cable Requirements	Ethernet port 1/2/3 : CAT5e or higher (STP) Front USB port: USB Cable (A-microB type)

* SIP functionality is not supported in firmware versions 3.0 and later.

Audio Specifications

Frequency Response		20Hz - 20kHz
Sampling Rate		48kHz
Bit Depth		24bit
Latency		8ms (Dante In to USB Out, includes signal processing)
Audio I/O	Dante	16in x 16out
	USB	USB2.0. Audio Class 1.0, Input: 2ch, Output: 2ch @48kHz
	Microphone Input	XLR Balanced, Input: 2ch
	AUX	RCA Unbalanced (Line Level), Input: 2ch, Output: 2ch
	Speaker Out	RCA Unbalanced (Line Level), Output: 2ch
	Bluetooth	Version 4.2 Supported Profiles: HFP (1.6), A2DP, AVRCP Supported Codec: CVSD, SBC, mSBC Wireless Output: Class2 Maximum Communication Distance: 10m (32.8ft) (no obstacles) Radio Frequency (Operational Frequency): 2,402MHz to 2,480MHz Maximum Output Power (EIRP): 4.0dBm (2.5mW)
	SIP*	Call Handling: Dial, Answer, Hold, Resume, Forwarding, Do not disturb, Call ID, Voice Mail Notifications (switch configured) Call Bridging: Supports bridging SIP, USB, BT and AUX calls. Join, Split, Hold, Resume, 5+1 lines: Up to 2 SIP calls, 1 USB call, 1 Bluetooth call, 1 AUX, Plus the user Codecs: G.711, G.722HD, G.729ab, G.726 DTMF Support: RTP event, SIP in-band, SIP info package Security: SRTP Support (RFC 1889), IETF SIP support (RFC 3261 and companion RFCs)

* SIP functionality is not supported in firmware versions 3.0 and later.

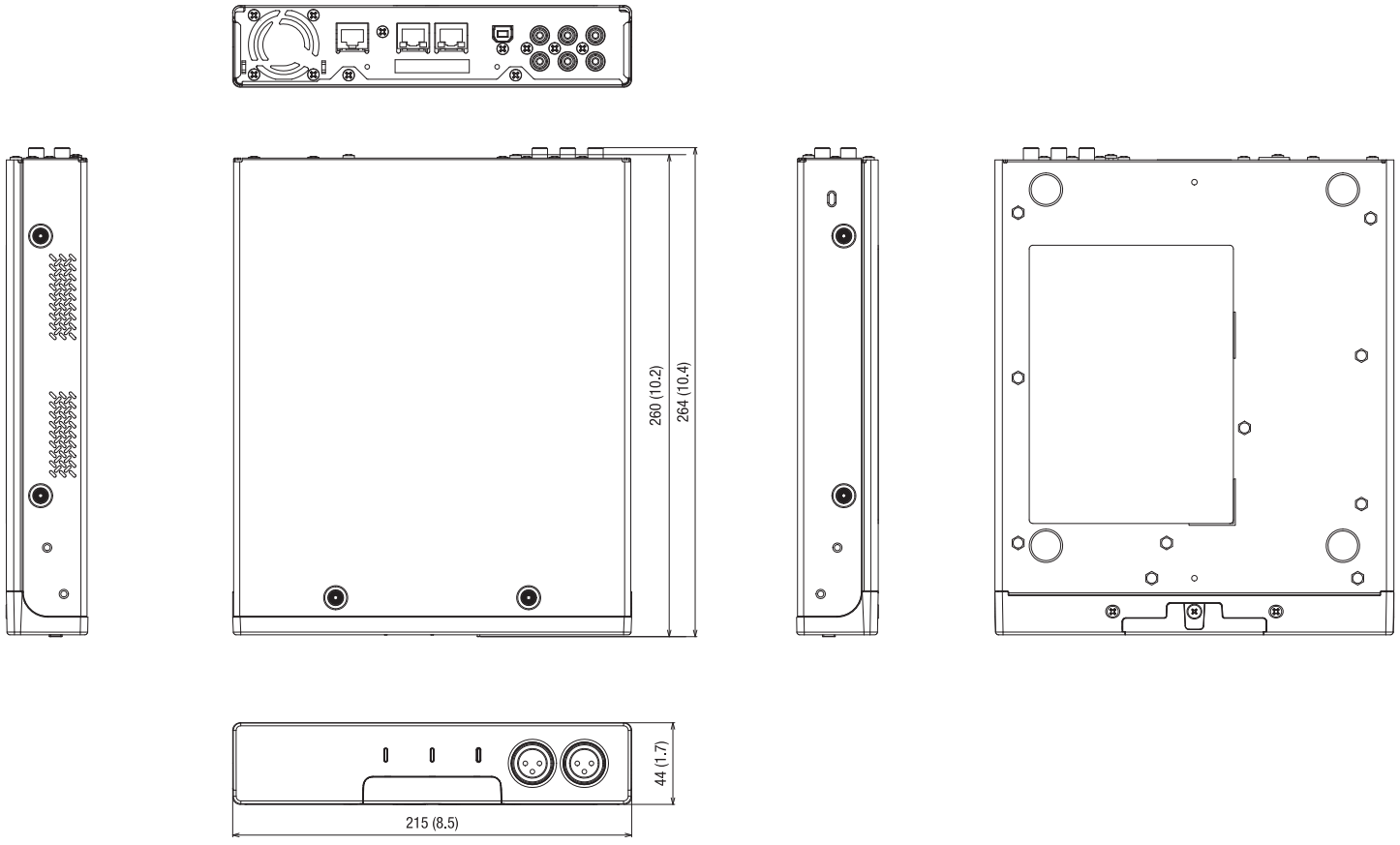
Input/Output Characteristics

Input Terminal	Input Level	Connector
	Nominal	
MIC IN 1,2	-46dBu	XLR-3-31 type (Balanced, 2pin hot)
AUX IN L,R	-14dBV	RCA Pin

Output Terminal	Source Impedance	Output Level		Connector
		Nominal	Max. before Clip	
AUX OUT L,R	1kΩ	-14dBV	+6dBV	RCA Pin
SP OUT L,R	1kΩ	-14dBV	+6dBV	RCA Pin

Dimensions

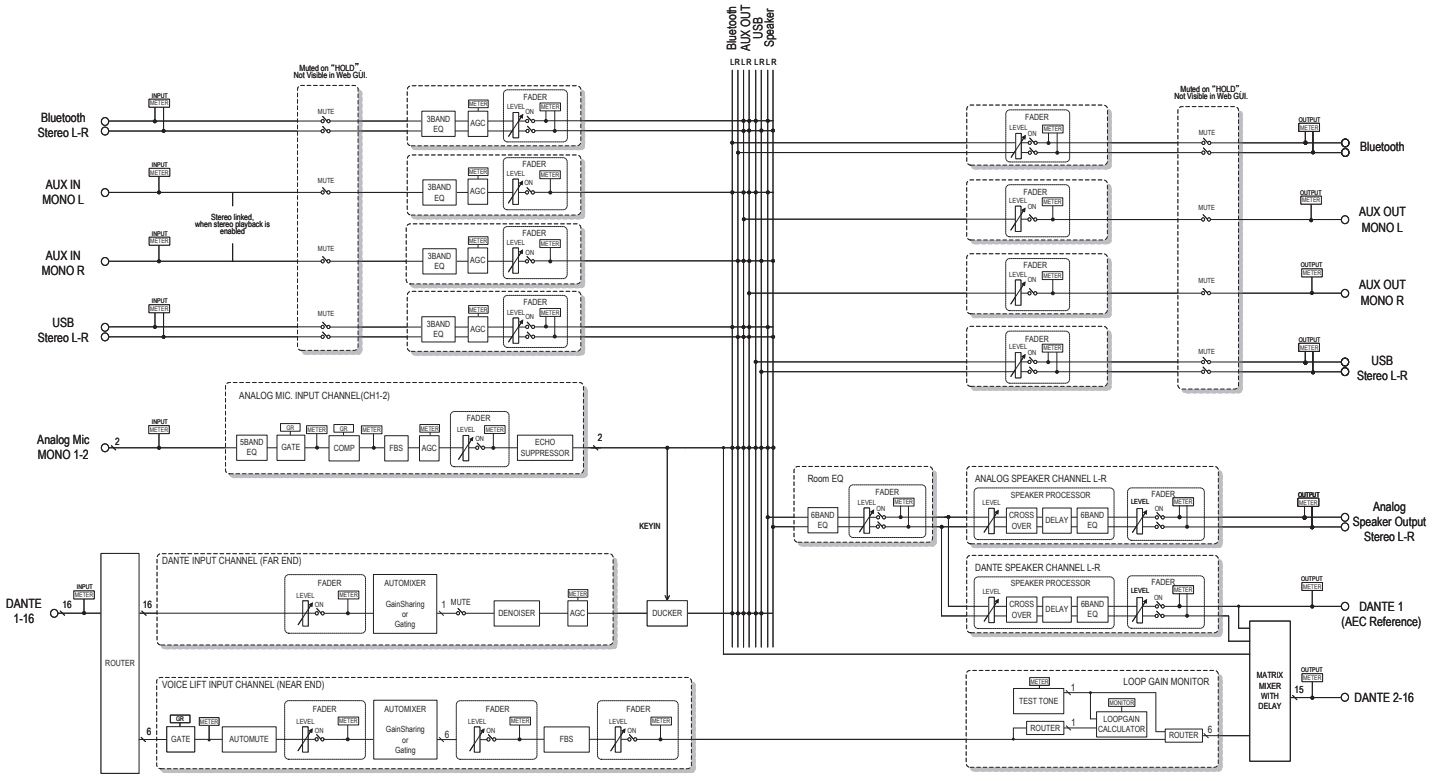
Unit: mm (inch)



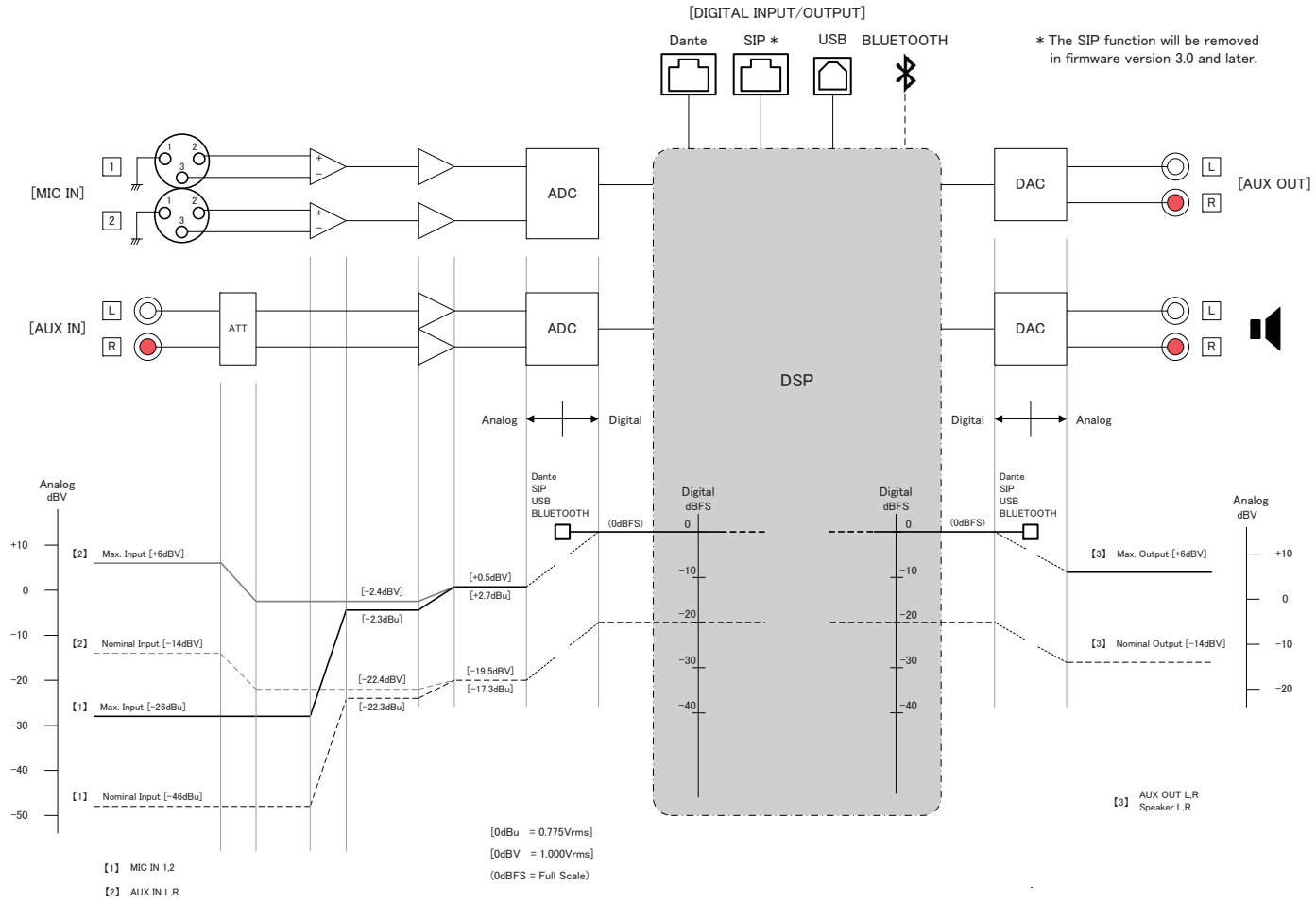
Options

- Rack Mount Kit RM-MRK
- Table Mount Kit RM-MTL

Block Diagrams



Level Diagrams



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