

Overview

1000W, portable PA system with 5 channel digital mixer, 12" subwoofer, 1.5" x 10" line array speaker, a Bluetooth input, SPX digital reverbs and 1knob EQ and multi band comp for master output.



Features

- 1000W (HF: 190W + LF: 810W) power output
- Biggest in the class 12" subwoofer for low frequency
- 1.5" x10" slim line array speaker for high frequency
- Digital mixer (3 mono mic/line + 1 stereo line)
- Multi band comp "mode" for master output
- 1-knob EQ for per channel
- High resolution SPX digital reverbs (4 types, parameter control)
- 2 x Hi-Z (high impedance) inputs
- Link out and monitor out
- Dedicated cover included
- Optional reverb foot switch
- Optional dolly for more portability

Specifications

Outline

Type		Powered subwoofer with a line array speaker
Mixing Capability	Mixing Channels	5 (3 mono + 1 ST)
	Input Channel functions	Hi-Z: CH2/3, 1-knob EQ: CH1-3/ST
	Output Channel functions	MODE (SPEECH - MUSIC - CLUB)
I/O	Inputs	3 mono mic/line + 1 stereo line/2 mono line
	Outputs	1 Link out, 1 Monitor out
	Bluetooth	Bluetooth Ver.5.0, A2DP (SBC, AAC)
	Control and Others	Reverb foot switch, STAGEPAS Editor (iOS/Android app)
On-board Processors	DSP	SPX digital reverb (4 program, parameter control)

General Specifications

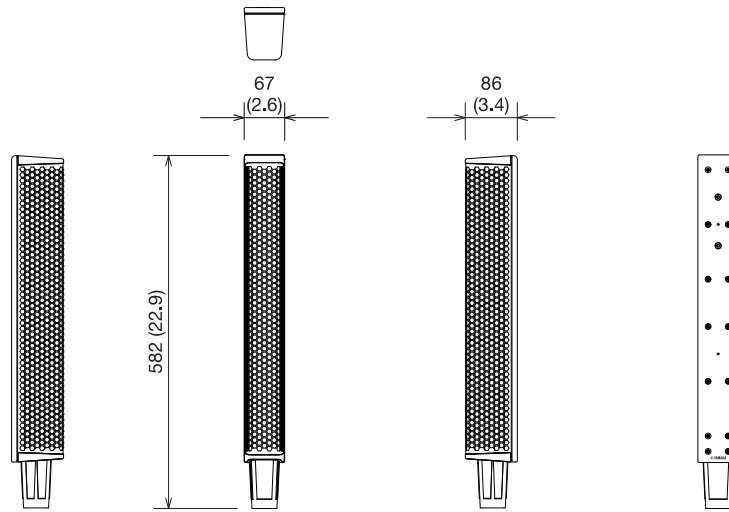
Speaker Type		Powered subwoofer: Bass-reflex type, Line array speaker: Enclosed
Frequency Range (-10dB)		37Hz - 20kHz
Nominal Coverage	H	170°
	V	30°
Components	LF	Powered subwoofer: 12" (30cm) Cone
	HF	Line array speaker: 1.5" (3.8cm) Cone x 10
Power Rating	Dynamic	1000W (Powered subwoofer: 810W, Line array speaker : 190W)
Maximum Output Level (1m; on axis)		119dB SPL
Power Requirements		Depending on area of purchase: 100V 50Hz/60Hz, 110V/120V 60Hz, 220V-240V 50Hz/60Hz
Power Consumption		25W (Idle), 85W (1/8 power)
Accessories		Power cord x 1, Cover x 1
Options		Yamaha DL-SP1K (Dedicated dolly), FC5 (foot switch) for reverb ON/OFF
Others		Handle: 1 x Powered subwoofer
Dimensions (W x H x D)		System (maximum): 334mm x 2000mm x 418 mm (13.2" x 78.7" x 16.5")
		Line array speaker: 67mm x 582mm x 86mm (2.9" x 22.9" x 3.4")
		Powered subwoofer: 334mm x 550mm x 418mm (13.2" x 21.7" x 16.5")
		Spacer (each): 67mm x 555mm x 86 mm (2.6" x 21.9" x 3.4")
Weight		System (maximum): 23.0kg (50.7lbs)
		Line array speaker: 1.8kg (3.9lbs)
		Powered subwoofer: 20.0kg (44.1lbs)
		Spacer (each): 0.6kg (1.3lbs)

Dimensions

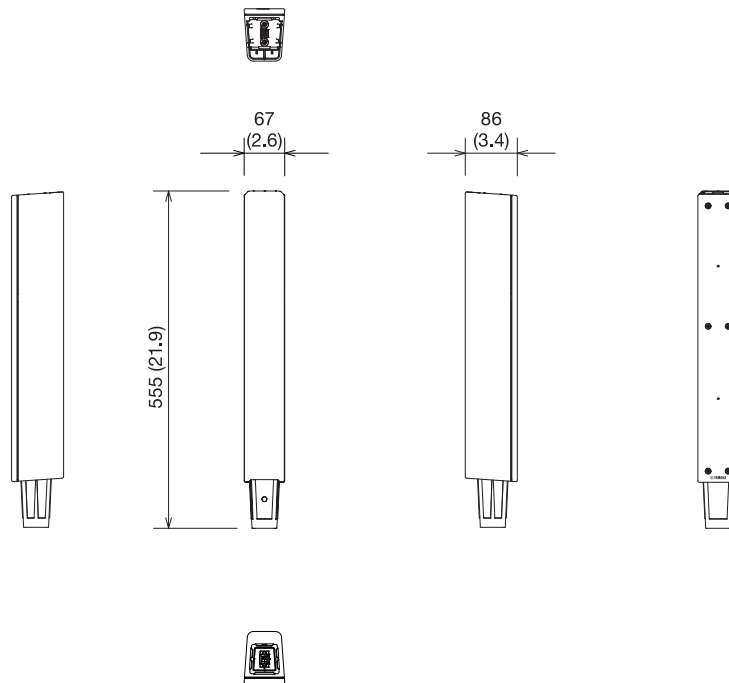
1/3

Unit: mm (inch)

Speaker Array



Spacer

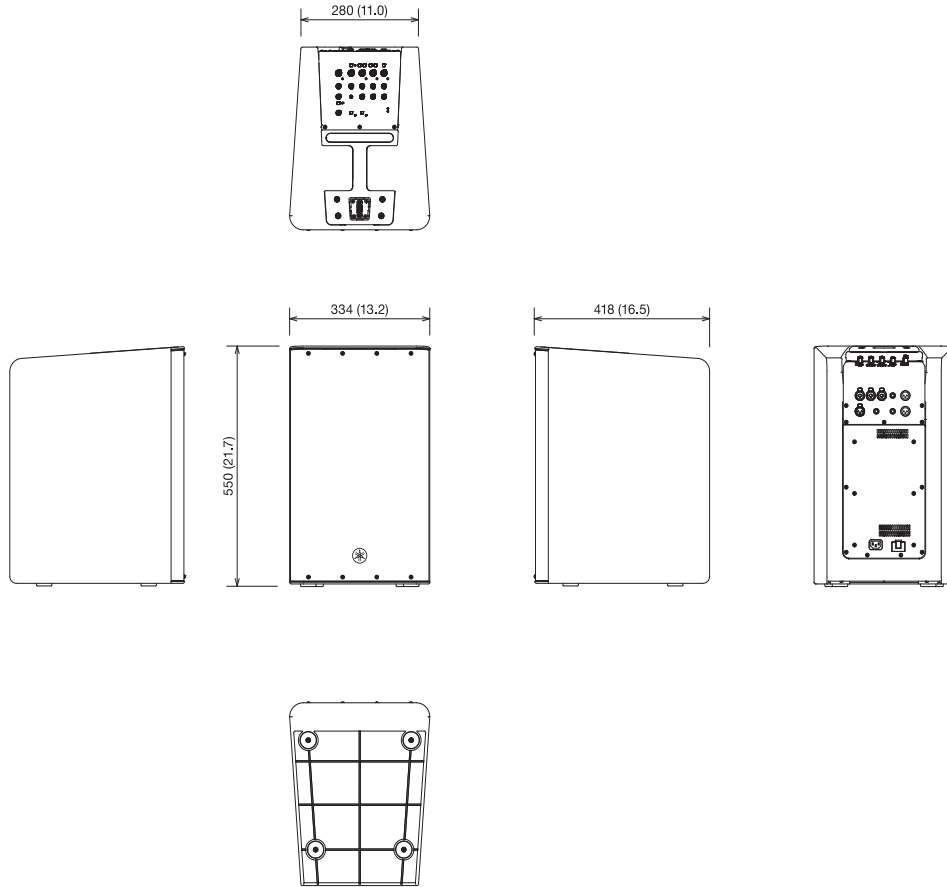


Dimensions

2/3

Subwoofer

Unit: mm (inch)

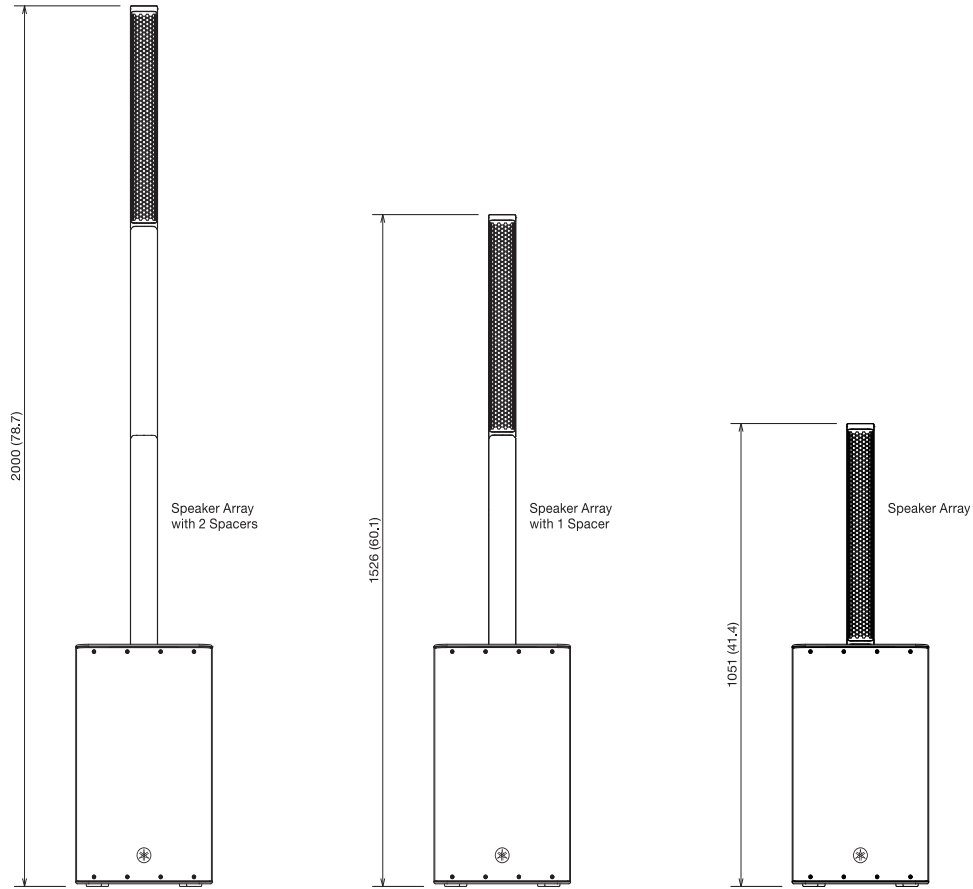


Dimensions

3/3

Unit: mm (inch)

System



Options

- Foot Switch FC5
- Dolly DL-SP1K

Software

- STAGEPAS Editor

Architectural and Engineering Specifications

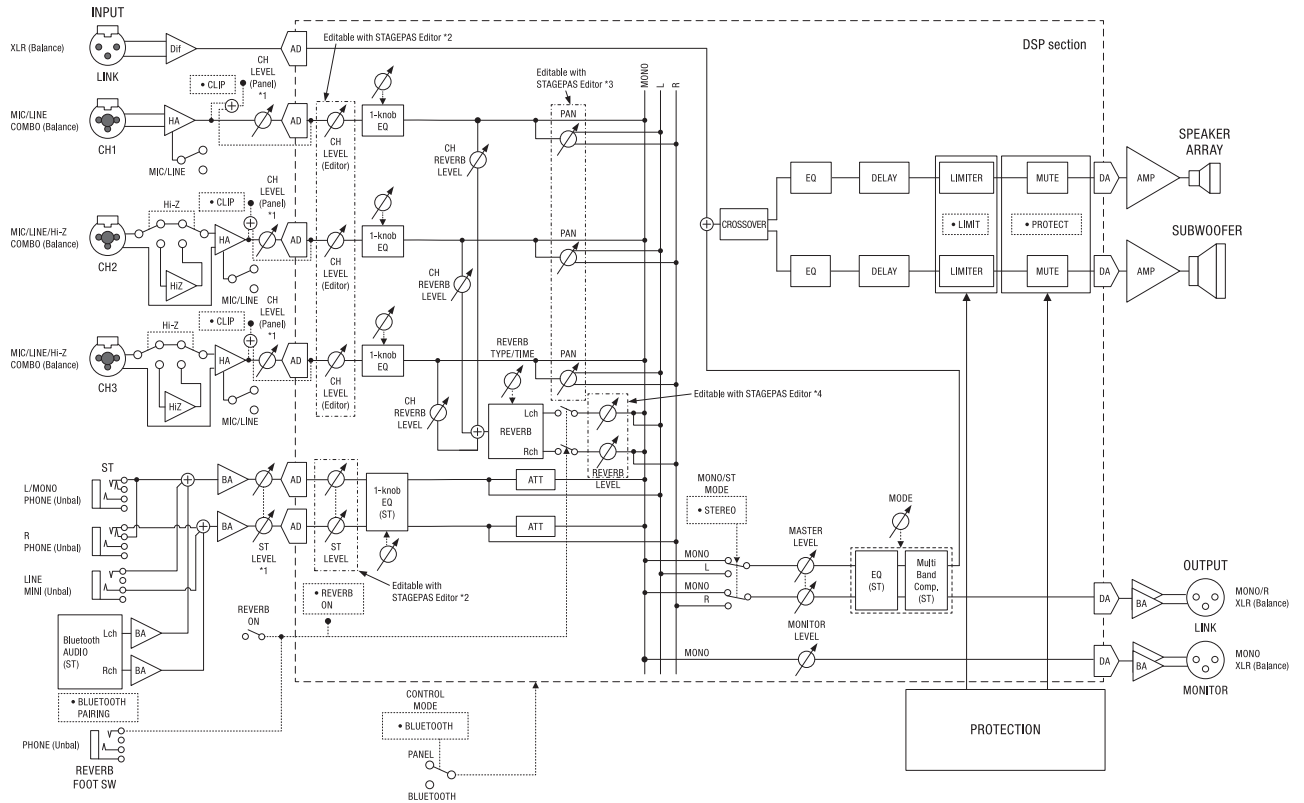
The Yamaha STAGEPAS 1K shall be a portable PA system that integrates a powered subwoofer and line-array loudspeaker system with a built-in digital mixer.

The mixer section shall have 5 analog mixing channels (3 mono microphone/line + 1 stereo line). All channels shall have a LEVEL control and 1-knob EQ control. Channels 1, 2, and 3 shall further include MIC/LINE input selectors, clip indicator LEDs, and REVERB level controls. Channels 2 and 3 shall include Hi-Z switches to allow direct input of musical instruments. The mixer's master section shall include a LEVEL control, a LIMIT indicator LED, a MODE control to optimize the overall sound for a variety of environments, a REVERB switch and TYPE/TIME control, and a MONITOR level control. Balanced XLR/TRS combo connectors shall be provided for input to mono channels 1, 2, and 3. Two unbalanced phone jack inputs shall be provided ST (stereo) channel. A REVERB FOOT SW jack shall be provided for footswitch reverb ON/OFF control. The ST (stereo) channel shall provide Bluetooth connectivity so that stereo input can be received from compatible devices via Bluetooth. A STEREO switch shall be provided to allow stereo operation with a second linked STAGEPAS 1K unit. A LINK input shall be provided to receive the output from a second STAGEPAS 1K system when two systems are to be used in LINK mode. Main (LINK) and MONITOR output shall be delivered via XLR OUTPUT connectors. The amplifier section shall be an efficient class-D type capable of delivering 1000 watts rated output (810 watts to the subwoofer, and 190 watts to the line-array speaker).

The loudspeaker system shall comprise a bass-reflex subwoofer with a 12" cone transducer and a line array speaker made up of ten 1.5" cone transducers. The loudspeakers shall meet the following performance criteria: Maximum SPL shall be 119 dB at 1 meter, frequency response shall be 37 Hz to 20 kHz at 10 dB below rated sensitivity, and nominal coverage angle shall be 170° horizontal and 30° vertical.

The subwoofer, digital mixer, and power amplifier shall be built into an integrated base unit onto which the line-array speaker shall be mountable via a supplied spacer. The STAGEPAS 1K system shall be supplied with a power cord and cover. A dolly shall be available as an option. Overall system dimensions shall be 334 (W) x 2000 (H) x 418 (D) mm. Total system weight shall be 23.0 kg.

Block Diagrams



- *1 As for "All CH LEVEL" Volume (CH1-CH3 LEVEL, ST LEVEL), nominal level: Center Click position
- *2 At the "Control panel mode", CH LEVEL settings are fixed at 0 dB position.
- *3 At the "Control panel mode", PAN settings are fixed at center position.
- *4 At the "Control panel mode", REVERB LEVEL settings are fixed at -3 dB position.

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