

Overview

1100W, 125 dB SPL peak@1m, portable PA system with 5 channel digital mixer, 12-inch subwoofer, 1.5-inch x10 line array speaker, a Bluetooth input, SPX digital reverbs, Priority Ducker and 1knob EQ and multi band comp for master output.



Features

- 1100 W power output
- Biggest in the class 12-inch subwoofer for low frequency
- 1.5-inch x 10 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)
- Priority Ducker for ST channel
- 4 band PEQ for per channel via remote control APP “STAGEPAS Controller”
- 2 x Hi-Z (high impedance) inputs
- Link out and monitor out
- Dedicated cover included
- Optional reverb foot switch (FC5)
- Optional dolly (DL-SP1K) for more portability

Specifications

Outline

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

General Specifications

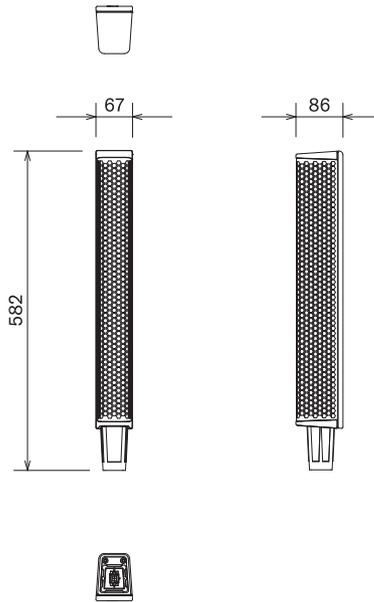
Speaker Type	Powered subwoofer: Bass-reflex type, Line array speaker: Enclosed	
Frequency Range (-10 dB)	37 Hz - 20 kHz	
Coverage Are	H170° x V30°	
Crossover	240 Hz	
Maximum Output Level (1 m; on axis)	125 dB SPL	
Components	LF	Powered subwoofer: 12" (30 cm) Cone
	HF	Line array speaker: 1.5" (3.8 cm) Cone x 10
Amplifier Class	Class-D	
Power Rating	Dynamic	1100 W
Power Consumption	25 W (Idle), 91 W (1/8 power)	
Power Requirements	Depending on area of purchase: 100 V 50 Hz/60 Hz, 110 V - 120 V 60 Hz, 220 V - 240 V 50 Hz/60 Hz	
Handle	Top of powered subwoofer x 1	
Dimensions (W x H x D)	System: 334 mm x 2,000 mm x 418 mm (maximum)	
	Line array speaker: 67 mm x 582 mm x 86 mm	
	Powered subwoofer: 334 mm x 550 mm x 418 mm	
	Spacer: 67 mm x 555 mm x 86 mm (each)	
Weight	System: 23.0 kg (maximum)	
	Line array speaker: 1.8 kg	
	Powered subwoofer: 20.0 kg	
	Spacer: 0.6 kg (each)	
Accessories	Power cord x 1, Cover x 1	
Options	DL-SP1K (dedicated dolly), FC5 (foot switch for reverb ON/OFF)	

Dimensions

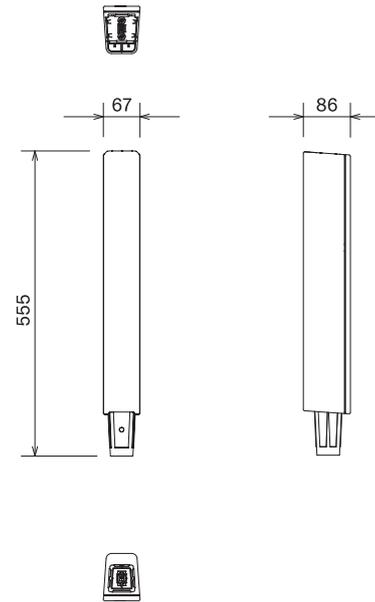
1/2

Unit: mm

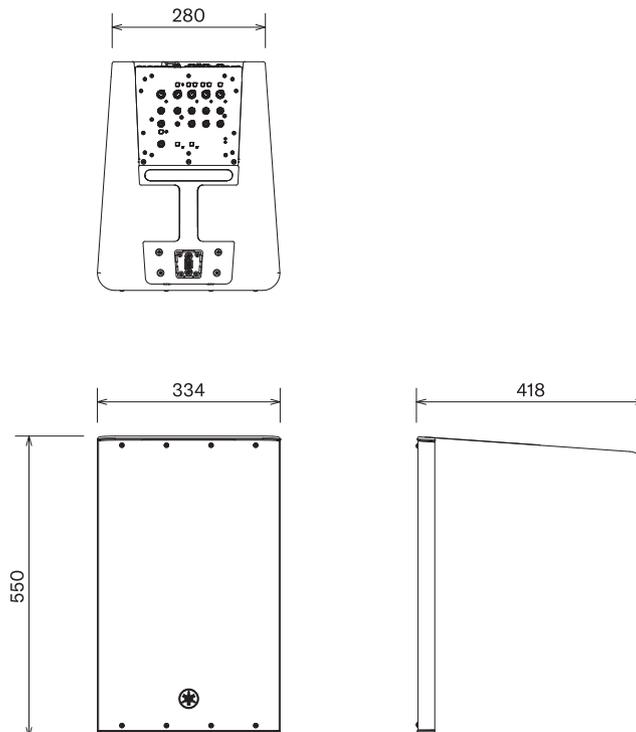
Speaker Array



Spacer



Subwoofer

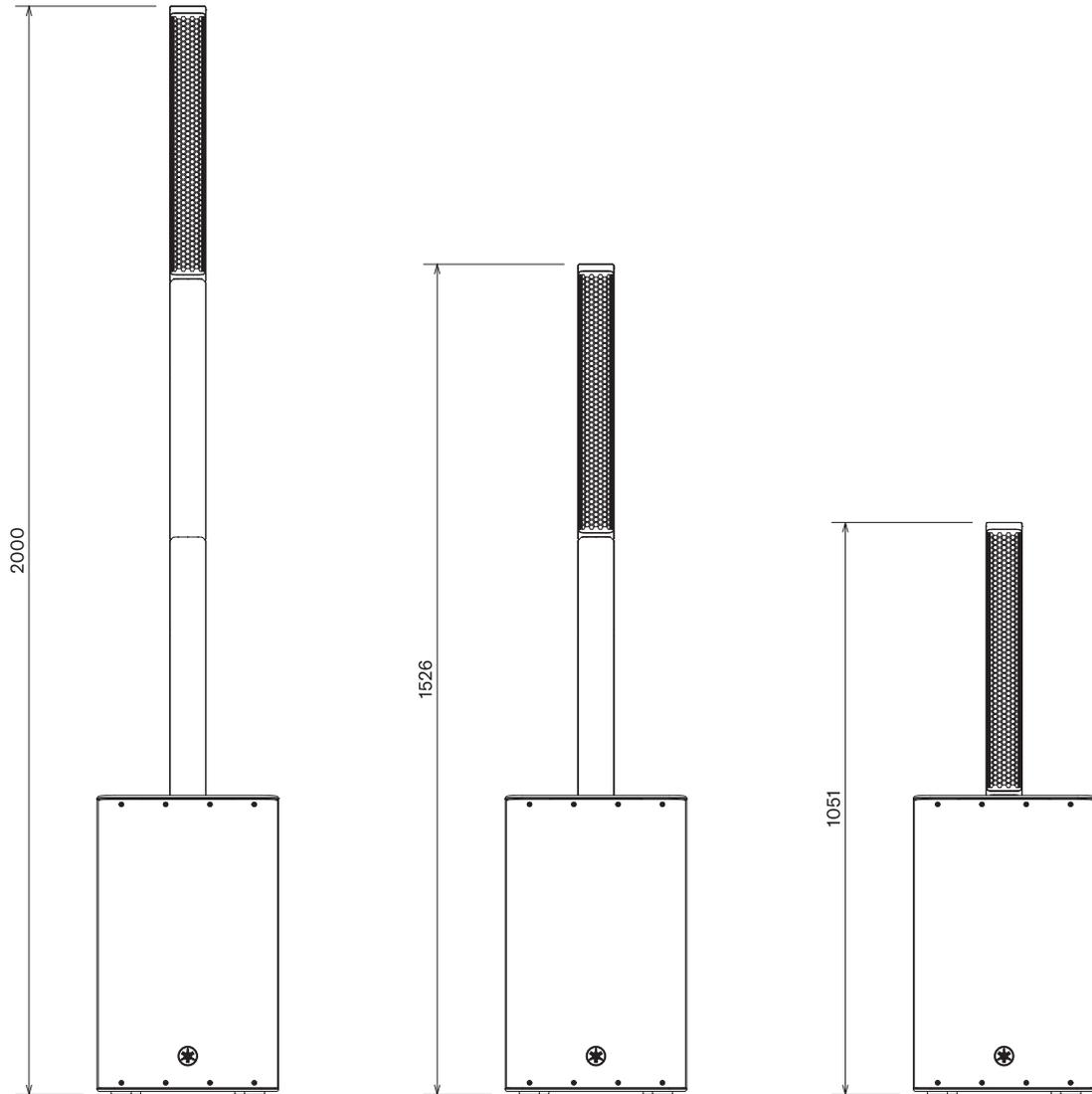


Dimensions

2/2

Unit: mm

System



Option

- Dolly DL-SP1K
- Foot Switch FC5

Software

- STAGEPAS Controller

Architectural and Engineering Specifications

The Yamaha STAGEPAS 1K mkII shall be a portable PA system designed for live music and events. The STAGEPAS 1K mkII system shall integrate a powered subwoofer and line-array loudspeaker with a built-in digital mixer.

The STAGEPAS 1K mkII mixer section shall have 5 analog input 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 additionally 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 MAIN (master) section shall include a LEVEL control, a LIMIT indicator, a MODE control that optimizes output for a variety of environments, a REVERB switch with a TYPE/TIME control that selects and adjusts four reverb types, and a MONITOR level control. A REVERB FOOT SW jack shall allow reverb ON/OFF control via an optional footswitch. A switchable DUCKER function shall automatically reduce the level of background music being played via the system when a voice announcement is made via a connected microphone. A STAGEPAS Controller app for iOS and Android mobile devices shall be available for remote STAGEPAS 1K mkII parameter control and status monitoring.

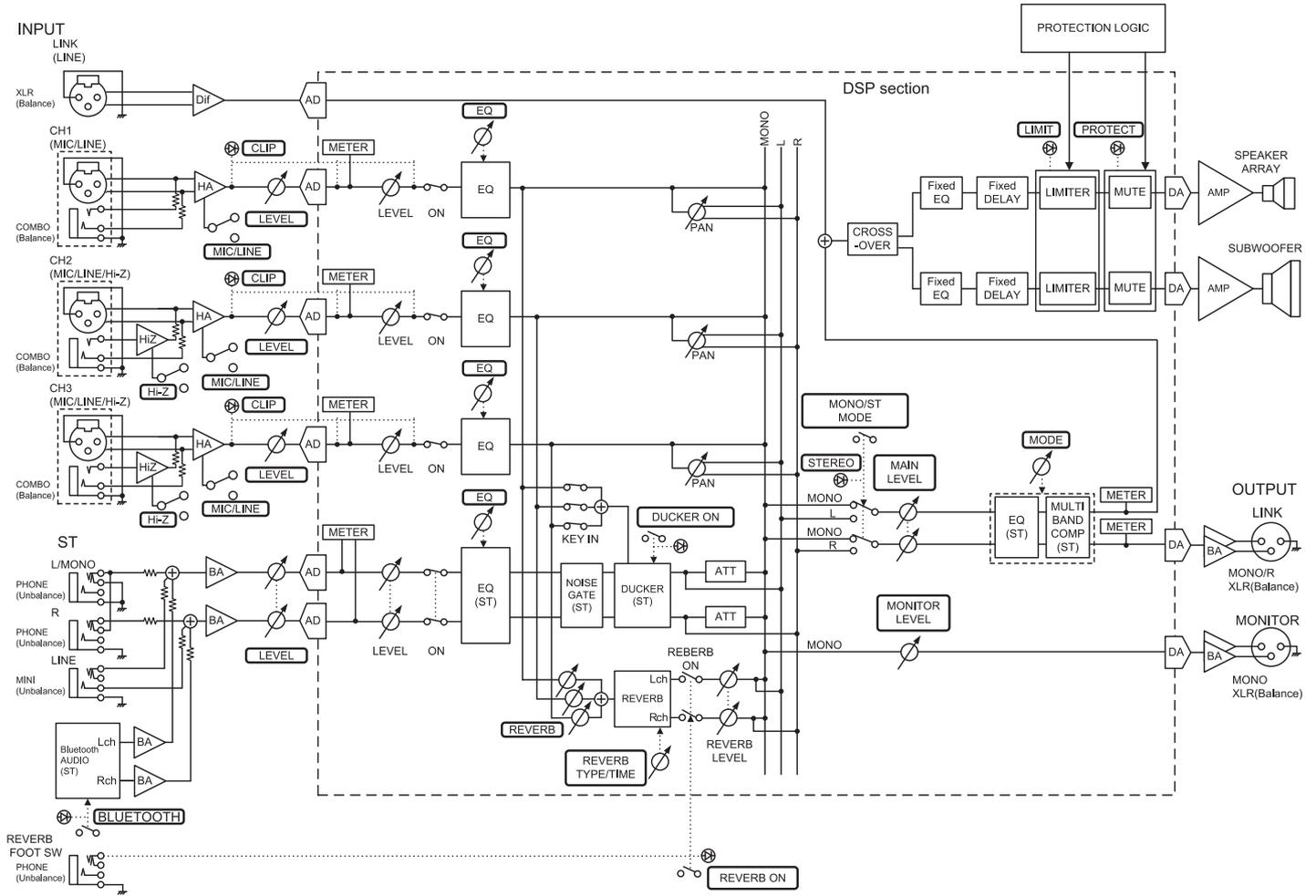
The STAGEPAS 1K mkII shall provide balanced XLR/TRS combo connectors for input to mono channels 1, 2, and 3. A stereo mini jack and two unbalanced phone jacks shall be provided for input to the ST (stereo) channel. The ST (stereo) channel shall also provide Bluetooth connectivity, allowing stereo input to be received wirelessly from compatible Bluetooth devices.

The STAGEPAS 1K mkII shall provide a STEREO switch for linked stereo operation with a second STAGEPAS 1K mkII system. A LINK input shall be provided to receive the output from a second STAGEPAS 1K mkII system when two systems are to be used in LINK mode. LINK (MONO/R) and MONITOR (MONO) output shall be delivered via XLR OUTPUT connectors. The amplifier section shall be an efficient class-D type capable of delivering 1100 watts rated output.

The STAGEPAS 1K mkII loudspeaker system shall include a bass-reflex subwoofer with a 12-inch cone transducer and a line array speaker comprising ten 1.5-inch cone transducers. The loudspeakers shall meet the following performance criteria: Maximum SPL shall be 125 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 crossover frequency shall be 240 Hz.

The STAGEPAS 1K mkII subwoofer, digital mixer, and power amplifier shall be built into an integrated base unit onto which the line-array speaker shall be mountable either directly or via supplied spacers. The STAGEPAS 1K mkII system shall be supplied with two spacers for the line-array speaker, 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



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Created in July, 2022