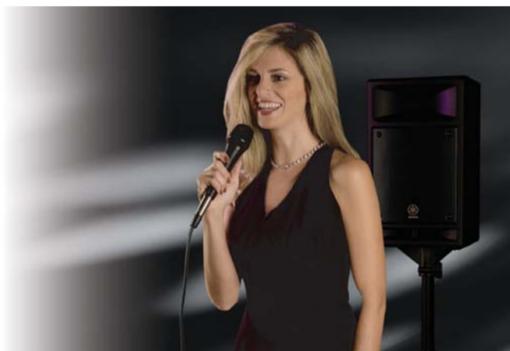## For Singers

The built-in high-quality reverb is indispensable for great vocal sound, and on the STAGEPAS 500 system the LIMIT/COMP switch can help to deliver smooth, punchy vocal sound.

For Instrumentalists

The STAGEPAS mixer has more than enough input capability to directly handle a range of instruments from electric-acoustic guitars to electronic keyboards.
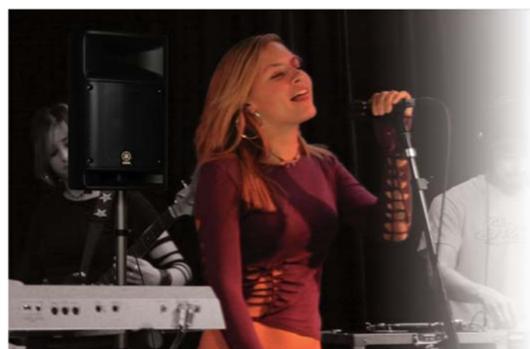
For Speech

The "SPEECH" mode optimizes the system settings for maximum clarity with speech. Of course, background music from a CD player or other source can be mixed in with the spoken performance.
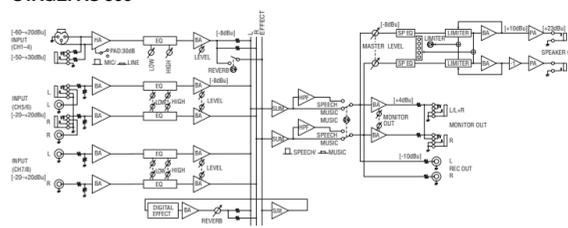
For Bands

Multiple microphone inputs make the STAGEPAS™ systems a good choice for band rehearsals or performances. MSR100 powered monitors (sold separately) can be added for monitoring.
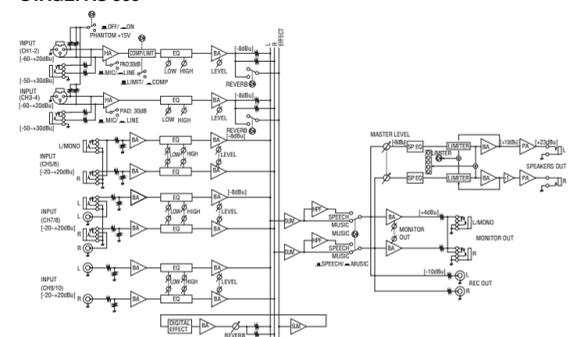
Block Diagrams

STAGEPAS 300

STAGEPAS 500

Specifications

STAGEPAS 300

■ General Specifications

Output Power (Maximum)
150 W+150 W/6 Ω @10 % THD at 1 kHz (SPEAKER L/R)
Output Power (RMS)
100 W+100 W/6 Ω @1 % THD at 1 kHz (SPEAKER L/R)

Frequency Response
-3 dB, 0 dB, +1 dB @20 Hz–20 kHz, 1 W Output/6 Ω (Without MUSIC/SPEECH, EQ and SP EQ Circuit) (SPEAKER L/R)
-3 dB, 0 dB, +1 dB @20 Hz–20 kHz, +4 dBu 10 kΩ Load [MUSIC/SPEECH]switch=MUSIC (MONITOR OUT, REC OUT)

Total Harmonic Distortion
≤ 1 % @1 kHz, 50 W Output Power (SPEAKER L/R)
≤ 0.5 % @20 Hz–20 kHz, +14 dBu 10 kΩ (MONITOR OUT, REC OUT)

Hum & Noise (20 Hz–20 kHz, Rs=150 Ω, MIC/LINE switch=MIC)
≤ -65 dBu Residual output noise (SPEAKER L/R)
≤ -90 dBu Residual output noise (MONITOR OUT, REC OUT)
≤ -67 dBu @MONITOR OUT control & one CH LEVEL control at nominal level (CH1–4)(MONITOR OUT)

Crosstalk (1 kHz)
≤ -70 dB between input channels

Power Consumption
70 W

Weight
18 kg (mixer and two speakers)

Dimensions (W x H x D mm)
275 x 456 x 255 (speaker x 1)
290 x 96 x 160 (Mixer)

Stereo Input Channel Equalization:
Shelving turnover/rolloff frequency;
3 dB before maximum cut or boost.
±15 dB
HIGH   10 kHz shelving
LOW   100 Hz shelving

Enclosure
Bass-reflex type

Speaker Unit
LF: 8" (20 cm) Cone
HF: 1" (2.54 cm) Compression Driver

Cross Over Frequency
4 kHz

Frequency Range
55 Hz–20 kHz

Maximum Output Level
112 dB (1 m)

STAGEPAS 500

■ General Specifications

Output Power (Maximum)
250 W + 250 W (±10 %)/4Ω @ 10 % THD at 1 kHz (SPEAKERS L/R)
Output Power (RMS)
200 W + 200 W/4Ω @ 1 % THD at 1 kHz (SPEAKERS L/R)

Maximum Output Level
116 dB (1 m)

Frequency Response (Nominal output level @ 1 kHz)
-3 dB, 0 dB, +1 dB @ 20 Hz-20 kHz
(MUSIC/SPEECH=MUSIC) (MONITOR OUT)
-3 dB, 0 dB, +1 dB @ 80 Hz-20 kHz
(MUSIC/SPEECH = SPEECH) (REC OUT)
-3dB, 0dB, +1 dB @ 20 Hz-20 kHz, 1 W Output
(MUSIC/SPEECH=MUSIC, without Speaker EQ) (SPEAKERS L/R)

Total Harmonic Distortion
≤ 0.5 % @ 20 Hz, 1 kHz, 20 kHz +14 dBu GAIN= nominal (MONITOR OUT, REC OUT)

Hum & Noise (Equivalent Input Noise, Rs = 150Ω, MIC/LINE = MIC)
≤ -106 dBu (CH1/2)
≤ -112 dBu (CH3/4)
≤ -65 dBu Residual output noise (SPEAKERS L/R)

Crosstalk (1 kHz)
≤ -70 dB between input channels

Power Consumption
65 W

Weight
24 kg (Speaker x 2 + Powered Mixer)

Dimensions (W x H x D mm)
342 x 545 x 298 (speaker x 1)
330 x 12 x 175 (Mixer)

Phantom power Switch
ON / OFF (CH1-4)

LIMIT/COMP Switch
ON = Comp, OFF = Limit (CH1/2)

Stereo Input Channel Equalization
±15 dB
HIGH 10 kHz shelving
LOW 100 Hz shelving

Enclosure
2 way bass-reflex type, Polypropylene, Black

Crossover Frequency
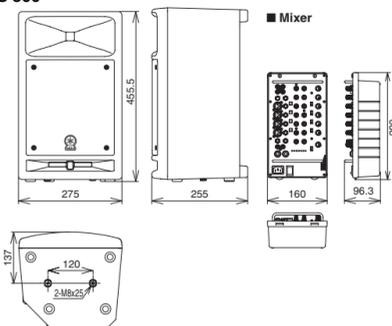4.0 kHz (LF: 12 dB/oct, HF: 12 dB/oct)

Frequency Range
55 Hz-20 kHz (-10 dB)

Speaker Unit
LF: 10" (25 cm) Cone
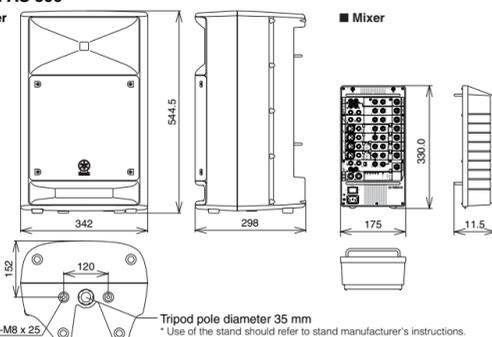HF: 1" (2.54cm) Compression Driver

Dimentions

STAGEPAS 300
Unit: mm
■ Speaker   ■ Mixer

465.5
275   255   160   96.3   290
137
120
2-M8x25

STAGEPAS 500
Unit: mm
■ Speaker   ■ Mixer

544.5
342   298   175   11.5
330.6
152
120
2-M8 x 25

Tripod pole diameter 35 mm
* Use of the stand should refer to stand manufacturer's instructions.

• Specifications and appearance subject to change without notice.   • All trademarks and registered trademarks are property of their respective owners.

PORTABLE PA SYSTEM
STAGEPAS 500

For Singers

For Instrumentalists

For Speech

For Bands

PORTABLE PA SYSTEM
STAGEPAS 300

Power to Go!

And now you have a choice of two ways to get there! Yamaha's STAGEPAS 300 has already become the portable PA system of choice for legions of musicians on the move, and now the STAGEPAS 500 is available for situations in which a little extra power and channel capacity is needed.

The basics remain the same: an incredibly lightweight, portable, easy-to-use PA system consisting of a pair of high-performance speakers with a built-in powered mixer. You can be set up and playing in a matter of minutes, and then packed away and on the road again with the same ease and speed when you're done. And all of this is provided with no compromise in sound quality or versatility, plus some advanced features you normally wouldn't expect to find in systems in this class.

Getting great sound for live performance used to be a big deal. Now all you need is a STAGEPAS 300 or STAGEPAS 500! Whichever system you choose, you have a high-performance live-sound system that will deliver your music or message wherever you go, indoors or out.

Complete with Speakers, Powered Mixer, and Cables
All-in-one STAGEPAS systems come with a pair of top-quality passive 2-way speakers, a versatile powered mixer, and even a pair of speaker cables!

High-performance 2-way Passive Speakers
STAGEPAS 300 speakers feature 8" woofers and 1" high-frequency units, while the STAGEPAS 500 speakers have 10" woofers and 1" high-frequency units. Both types deliver clean, high-quality sound.

Detachable 8-channel or 10-channel Powered Mixer
Both the 8-channel 150W + 150W STAGEPAS 300 mixer and the 10-channel 250W + 250W STAGEPAS 500 mixer can be used either while installed in the speaker compartment or detached for easy positioning and access.

Two-band EQ and Reverb Built In
Built-in equalization and reverb add the finishing touches to your sound.

Convenient Accessory Compartment
Conveniently store cables, microphones, and other small necessities in the speaker accessory compartment for a truly streamlined traveling system.

Optional Microphone Stand Adaptor
The STAGEPAS mixer can be mounted on a microphone stand using the optional BMS-10A adaptor for convenient positioning at any height.

STAGEPAS 300

The Ultimate In Portability with 8 Channels and 150W + 150W Output

Dual 150-Watt amplifier
Two 150-watt power amplifier is plenty for most small venues and street performance situations. And you get clean, reliable power from a Class-D design that provides high-efficiency amplification with low power consumption and minimal heat generation, allowing the amplifier to be built into a smaller, lighter, and cooler package.

2-band EQ On All Channels Plus Reverb on All Microphone Channels
Each mixer channel has an easy-to-use two-band equalizer that can help to shape the sound of each channel to achieve the best possible mix. Boost the highs to give a vocal channel more air and clarity, or boost the lows on a guitar channel for more punch. The four mono input channels have reverb on/off switches, and a reverb level control lets you add just the right amount of reverb to bring your sound to life.

8-channel Mixer with Monitor and Record Outputs
The powered mixer is normally stored in the rear of one of the speakers, but it can be easily detached (the only tool you need is a coin) for convenient operation. The STAGEPAS 300 mixer has a total of eight input channels: four mono microphone/line inputs and two stereo line inputs. In addition to speaker outputs for the supplied speakers, the mixer has line outputs that can be used to connect additional powered speakers for monitoring, and to send the mixer's output to a recording device.

Optional Microphone Stand Mounting
The optional BMS-10A Mic Stand Adaptor allows the STAGEPAS™ mixer unit to be mounted on a standard straight microphone stand. Microphone stand mounting is an ideal way to position the mixer for easy control access while performing.

Other Features
- XLR and phone-jack inputs on mono channels, and phone-jack and RCA pin-jack inputs on stereo channels allow connection to a wide range of sources.
- MIC/LINE switches select microphone or line level input matching for channels 1 through 4.
- The STAGEPAS 300 speakers can be stand mounted using standard speaker stand adaptors such as the ADP138, Ultimate BMB200, or equivalent.
- Auto Limiter prevents overload damage to power amplifier and speakers.
- LED output level meter.
- Speaker cables supplied.

MUSIC / SPEECH Switch
This unique feature optimizes the system settings for maximum clarity with speech.

1-bit Modulation Reverb
Advanced 1-bit modulation technology delivers great-sound reverb for natural warmth and ambience.

STAGEPAS 500

10 Channels and 250W + 250W Power for More Sources and Larger Venues

Dual 250-Watt amplifier
Two 250-watt power amplifier can fill surprisingly large clubs or rooms, or project your sound over a considerable distance outdoors. The class-D power amplifier has been painstakingly designed to deliver superior sound quality as well as reliability in a remarkably compact unit.

Versatile 10-channel Mixer with Monitor and Record Outputs
If there are more members in your band than the STAGEPAS 300's 8 input channels can handle, or you simply have a lot of sources to mix, the STAGEPAS 500 gives you 10 input channels in all: four mono microphone/line inputs and three stereo line inputs. The additional stereo channel can used for either a stereo or mono source. In addition to the main speaker outputs the mixer has line outputs that can be used to connect additional powered speakers for monitoring, and to send the mixer's output to a recording device.

Phantom Power for High-performance Condenser Microphones
The STAGEPAS 500 mixer features switchable phantom power for the four mono microphone/line inputs. This lets you use high-performance phantom-powered condenser microphones in situations where you want the extended, natural response they provide.

Built-in Channel Compression/Limiting
Channels 1 and 2 feature LIMIT/COMP switches that let you apply either limiting or compression to those channels. Limiting can be useful to prevent input overload and distortion with sources that have a wide dynamic range, while compression can add punch to vocals, bass, guitar, and other sources while smoothing out the sound and helping it to "ride" better in the mix.

2-band Channel EQ and Reverb
Like the STAGEPAS 300 mixer, the STAGEPAS 500 mixer has 2-band EQ controls on each channel, as well as REVERB switches on channels 1 through 4. A separate REVERB level control adjusts the reverb mix.

Other Features
- XLR and phone-jack inputs on mono channels, and phone-jack and RCA pin- jack inputs on stereo channels allow connection to a wide range of sources.
- MIC/LINE switches select microphone or line level input matching for channels 1 through 4.
- Auto Limiter prevents overload damage to power amplifier and speakers.
- LED output level meter.
- Speaker cables supplied.
- Optional BMS-10A Mic Stand Adaptor for the mixer unit.
- The STAGEPAS 500 speakers can be stand mounted without standard speaker stand adapters.

Phantom Power Switch
Supplies phantom power to the microphone inputs on channels 1 through 4, for high-performance condenser microphones.

LIMIT / COMP Switches
Apply limiting or compression to channels 1 and 2 for added sonic control and versatility.

Digital Reverb
Renowned Yamaha SPX reverb technology gives you studio-quality ambience on the road.