High-performance Speakers And Mounting System

The elegant white-cone speakers used in the HS-series monitors deliver superlative audio performance that is further enhanced by a carefully engineered mounting system. A combination of screws and a specially designed mounting ring eliminates spurious vibration and resonance, allowing the speaker to deliver it's full sonic potential. Another feature that boosts woofer performance is a magnet selected to produce accurate, solid low-end response. The tweeter frames employ an advanced smooth-contour design that minimizes losses so that high-frequency details come through with remarkable accuracy. The extra thickness of the tweeter frame also minimizes resonance that can interfere with high-end clarity. The overall result is extraordinarily smooth, accurate response throughout the audio spectrum.

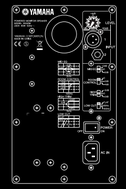
The Benefits Of Built-in Power And Bi-amplification

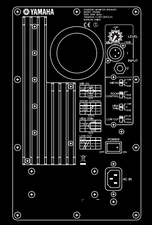
Powered, bi-amplified monitor speakers simply make the most electrical and sonic sense, and that's why they have become the first choice of sound professionals the world over for near- and mid-field monitoring applications. In addition to the obvious advantage that you don't need separate power amplifiers, the fact that power and speakers are integrated in one unit means that the amplifiers can be perfectly matched to the characteristics of the speaker units used so you get consistently superior performance with any source in just about any listening environment. Bi-amplification means that separate power amplifiers are used to drive the low-mid and high-frequency speaker units, and this eliminates interaction between the units as well as the response and phase anomalies introduced by passive crossover networks. Both speaker units can function at optimum performance levels for correspondingly high overall sonic quality.

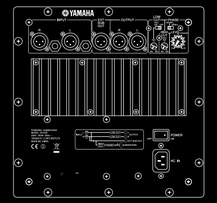
Specifications

		Powered Monitor Speaker HS 50M	Powered Monitor Speaker HS 80M	Powered Subwoofer HS 10W
General Specifications				
Type		Biamp 2-way Powered speaker	Biamp 2-way Powered speaker	Powered Subwoofer
Crossover Frequency		3 kHz	2 kHz	—
Overall Frequency Response		55 Hz—20 kHz (-10 dB)	42 Hz—20 kHz (-10 dB)	30 Hz—180 Hz (-10 dB)
Dimensions (W x D x H)		165 x 222 x 268 mm	250 x 332 x 390 mm	300 x 386 x 350 mm
Weight		5.8 kg	11.3 kg	12.5 kg
Speaker Components				
Speaker Components		LF: 5" cone (Magnetic shielding Type) HF: 0.75" Dome (Magnetic shielding Type)	LF: 8" cone (Magnetic shielding Type) HF: 1" Dome (Magnetic shielding Type)	8" cone
Enclosure	Type	Bass-reflex Type	Bass-reflex Type	Bass-reflex Type
	Material	MDF	MDF	MDF
Amp. Unit				
Output Power		Total: 70 W (dynamic power) (LF: 45 W, 4 ohms) (HF: 25 W, 8 ohms)	Total: 120 W (dynamic power) (LF: 75 W, 4 ohms) (HF: 45 W, 8 ohms)	150 W 4 ohms (dynamic power)
Input Sensitivity/ Impedance		-10 dBu/10 k ohms	-10 dBu/10 k ohms	-10 dBu/10 k ohms
Output Sensitivity/ Impedance		—	—	-10 dBu/600 ohms
Input Connectors (parallel)		1: XLR-3-31 type (balanced) 2: PHONE (balanced)	1: XLR-3-31 type (balanced) 2: PHONE (balanced)	1: XLR-3-31 type (balanced) 2: PHONE (balanced)
Output Connectors		—	—	1: XLR-3-32 type (balanced) x 1 (EXT SUB) 2: XLR-3-32 type (balanced) x 2 (L&R)
Controls		LEVEL control (+4 dB/center click) LOW CUT switch (FLAT/80/100 Hz, 12 dB/octave) EQ: MID (+/- 2 dB at 2 kHz) HIGH (+/- 2 dB at HF) ROOM CONTROL (0/-2/-4 dB under 500 Hz)	LEVEL control (+4 dB/center click) LOW CUT switch (FLAT/80/100 Hz, 12 dB/octave) EQ: MID (+/- 2 dB at 2 kHz) HIGH (+/- 2 dB at HF) ROOM CONTROL (0/-2/-4 dB under 500 Hz)	LEVEL control PHASE switch: NORM./REV. HIGH CUT control:80–120 Hz (center click) LOW CUT control: 80–120 Hz (center click) LOW CUT switch: ON/OFF
Indicator		Power ON: White LED	Power ON: White LED	Power ON: White LED
Power Consumption		45 W	60 W	70 W

Rear Panel







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HS series

YAMAHA

Powered Monitor Speaker
HS 80M / HS 50M
Powered Subwoofer
HS 10W

If Your Mixes Sound Good On These, They'll Sound Good On Anything

When choosing reference monitors for mixing and music production, accuracy is essential. Speakers that sound "good" on first impression may not necessarily be accurate. What you really need is an honest reference for your mix rather than monitors that have been tweaked or colored to deceptively sound impressive.

The new HS-series reference monitors have been created by Yamaha's studio monitor engineering team to deliver exceptionally flat, accurate response that you can trust. Unlike "monitor" speakers with exaggerated bass and treble that make a good first impression but can't be relied on for accuracy, the HS series were designed to be true studio reference monitors in the tradition of the legendary Yamaha NS10M.

Whether you're mixing for stereo or 5.1 surround, mixes that sound good on Yamaha HS-series reference monitors will translate accurately to the widest possible range of reproduction systems which is engineer-speak that simply means they'll sound good on anything.

And that is the ultimate goal of any reference monitor. We should also mention that the HS-series monitors not only sound great, they look great, too.

Large Magnets In An Advanced Magnetic Circuit Design

One feature of the HS-series monitors that you'll hear but are not likely to see is the extra large magnets that have been used to provide the magnetic flux for the speakers' magnetic circuits. In combination with an advanced magnetic circuit design these magnets provide a powerful, uniform, tightly controlled flux field that results in exceptionally smooth response and dynamic capability over a wider frequency range.

Powered Monitor Speaker HS 50M

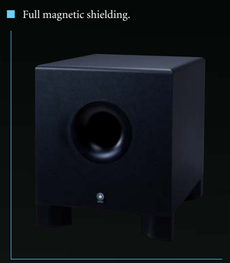
- 2-way bass-reflex bi-amplified near-field studio monitor with 5" cone woofer and 3/4" dome high-frequency unit delivers 55 Hz ~ 20 kHz frequency response.
- 70 watts dynamic bi-amplified power.
- XLR and TRS phone jack inputs accept balanced or unbalanced signals.
- Level control facilitates precise overall system level matching.
- MID EQ, ROOM CONTROL, and HIGH TRIM response control switches.
- LOW CUT switch.
- Full magnetic shielding.

Powered Monitor Speaker HS 80M

- 2-way bass-reflex bi-amplified near-field studio monitor with 8" cone woofer and 1" dome high-frequency unit delivers 42 Hz ~ 20 kHz frequency response.
- 120 watts dynamic bi-amplified power.
- XLR and TRS phone jack inputs accept balanced or unbalanced signals.
- Level control facilitates precise overall system level matching.
- MID EQ, ROOM CONTROL, and HIGH TRIM response control switches.
- LOW CUT switch.
- Full magnetic shielding.

Powered Subwoofer HS 10W

- 8" bass-reflex powered subwoofer delivers solid 30 Hz ~ 120 Hz frequency response.
- 150 watts dynamic power.
- XLR and TRS phone jack inputs accept balanced or unbalanced signals.
- Balanced XLR L and R outputs connect to the main left and right speakers. L/R mix output connects to a second subwoofer if required.
- Level control facilitates precise overall system level matching.
- Phase switch simplifies phase alignment.
- Low-pass filter control and high-pass filter control with ON/OFF switch.
- Full magnetic shielding.

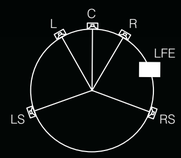


Portable, Versatile Monitoring For Your Audio Workstation

All you really need for top-class production of stereo program material is a good audio workstation and a pair of HS-series monitors. A system like this is not only portable and extremely easy to set up anywhere you need it, it can deliver outstanding monitoring performance that will let you get your mixes just right. The response-control features of the HS50M monitors shown in this example system let you tweak the monitors for the best response no matter where you set them up.

Serious Surround Production

Although stereo is still the most common format for basic music listening, 5.1 surround has become the audio format of choice for today's advanced visual media, and is beginning to be recognized as a superior vehicle for pure musical enjoyment as well. But to properly mix and produce surround sound you need a good 5.1 monitoring system. The HS-series speakers and subwoofer are the perfect choice if you want competitive surround-monitoring performance without having to spend big-studio megabucks to get it. Combine five HS50M or HS80M powered near-field reference monitors with one or more HS10W subwoofers, and you're ready to produce and deliver state-of-the-art surround sound.



Optimum Response In Any Room

Speaker response can vary greatly depending on the size, shape, and surface acoustics of the room in which they're used, as well as how they're placed within that environment. The HS50M and HS80M give you extra room-matching and speaker placement versatility with ROOM CONTROL, MID EQ, and HIGH TRIM response control switches that are specifically designed to compensate for common acoustic deficiencies and monitoring needs. The ROOM CONTROL switch, for example, can be used to compensate for the unnatural low-end exaggeration that usually occurs when speakers are placed close to walls or in corners. The MID EQ switch gives you subtle midrange boost and cut options in addition to flat response, while the HIGH TRIM switch offer the same type of response-tailoring capability for the high frequencies.

The rear panel of HS80M