



MIXING CONSOLE

# MGP Series

MGP12X MGP16X

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# MG Series

MG102C MG124C MG166C MG206C  
MG82CX MG124CX MG166CX  
MG166C-USB MG166CX-USB MG206C-USB  
MG24/14FX MG32/14FX

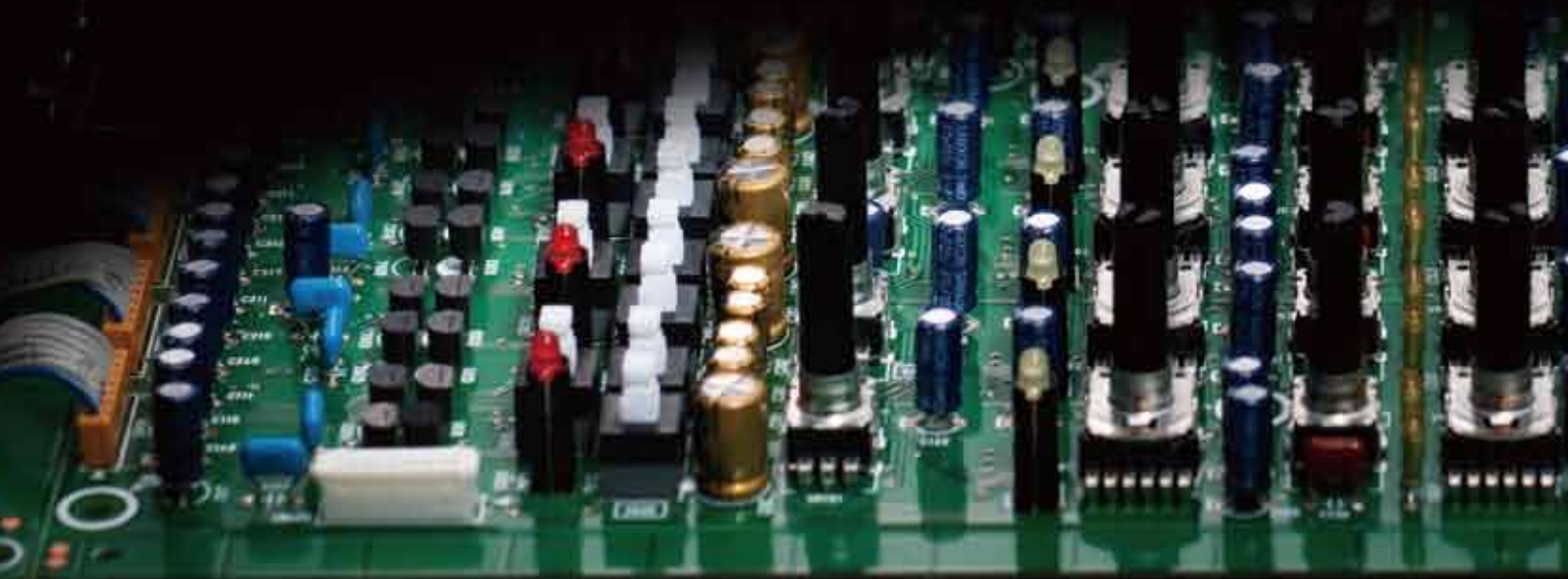
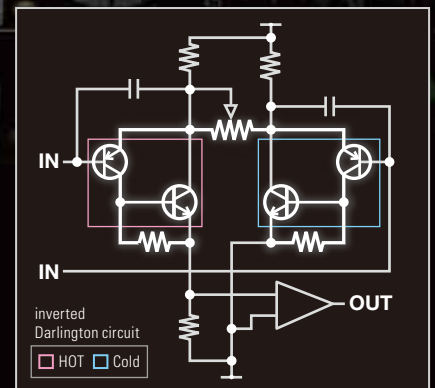
# The Evolution of Analog

When it comes to audio engineering and sound reinforcement, the verdict is in—nothing beats the warmth and musicality of analog sound. By incorporating state-of-the-art digital technologies into the development process of our premium professional analog equipment, the MGP is the next step in the evolution of compact professional mixers.

## D-PRE *D-PRE. Defies. Description.*

**D-PRE**  
Discrete Class-A Mic Preamp  
with an Inverted Darlington Circuit

The preamp is where sound creation begins, and ultimately determines the character and quality of your overall mix. The importance of this critical first step inspired us to develop the most fat and warm sounding preamps possible—our newly refined D-PRE mic preamps. Initially intended for use with Yamaha's high-end recording gear, these studio-grade, discrete Class-A mic preamps employ an inverted Darlington circuit design that features multiple circuitry elements in a multi-layered configuration in order to deliver more power with lower impedance. This means all the character, depth and feel of your original signal will be delivered with fat, natural sounding bass and smooth, soaring highs. Rediscover a favourite mic or trusted instrument by capturing the full range of your musical expression with sound that you don't hear, so much as feel. With 48V phantom power for each channel and a sound that is incomparable in a compact mixer today, these studio-grade discrete Class-A mic preamps set the MGP apart, clearly defining a class all its own.



### 1-Knob Compressors >>>

Originally a Yamaha innovation, 1-knob compression is now a popular feature on an increasing number of compact mixing consoles with good reason. These intelligent compressors add optimally set compression to a wide variety of input sources with the touch of a single control—minus the hassle of setting up and configuring complex outboard gear. The MGP features our newly upgraded 1-knob compressors that feature LED indicators allowing you to visually monitor when the compression “kicks in” on each channel.



### Metal Chassis >>>

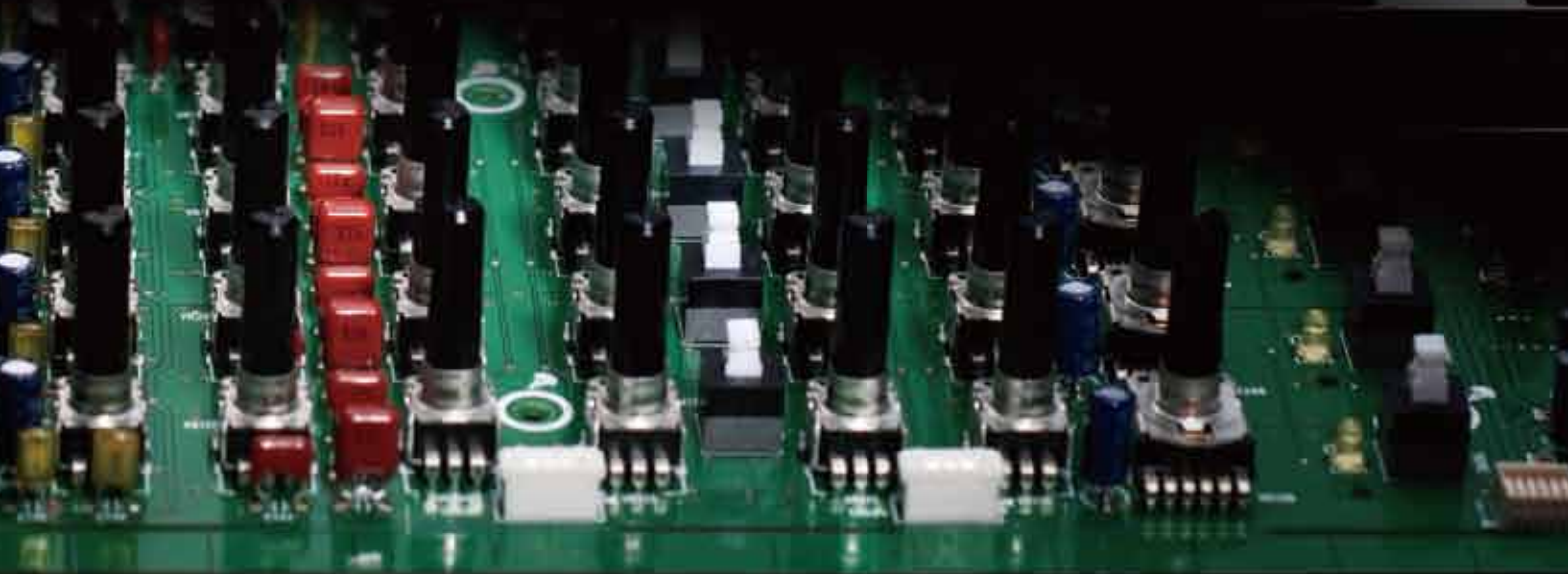
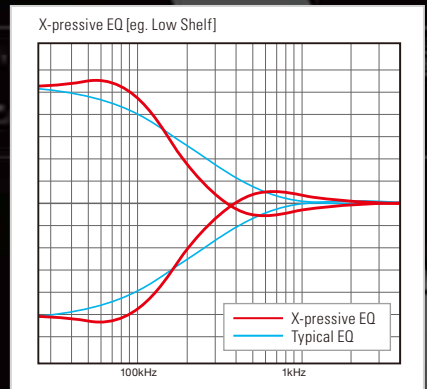
Durability is simply not an issue with the MGP. With a rugged, impact-resistant, powder-coated steel chassis, the MGP is more than ready for the rigours of road abuse. The sleek design of the chassis is contoured for optimal convection cooling, further extending the lifetime of the components inside, while the internal layout separates the power supply from the analog circuitry for superior noise reduction. What's more, knob control placement above the surface of the chassis ensures that any impact or pressure on the knobs will be absorbed by the chassis and not the circuit board or potentiometers underneath.



# X-pressive EQ X Marks the Spot



Everyone knows vintage EQ sounds great—but not everyone knows why. Throughout the development of the innovative VCM (Virtual Circuit Modeling) effects used in our high-end professional digital mixers, we became increasingly focused on reproducing the warmth and musicality of classic vintage EQs. It was through our precise modeling of the original circuitry of some of the most sought-after EQ modules from the past that we discovered a characteristic “X-shape” of the frequency curves that was unique to these units— and would ultimately prove essential to unlocking real vintage authenticity. More than just a means of tweaking your mix, the precise response and very steep shelving of the high and low frequencies make the X-pressive EQ a powerful sound-shaping tool that essentially redefines the role that EQ plays in sound reinforcement. Never before has an audio engineer’s contribution to the overall sound been so significant, with X-pressive EQ providing complete control of every aspect of your sonic palette.



## Integrated Rack Ears ▶▶



With integrated rack ears, the MGP easily meets the demands of both installed and portable applications providing safe, stable protection for your console. Extremely durable, their sleek, attractive design instantly gives you the option of a rack-mounted or desk-top configuration, with hassle-free setup saving you time and effort.



## Internal Universal Power Supply ▶▶



You can plug in with confidence in any region with 100V- 240V power thanks to our highly-efficient internal universal power supply. With its multi-voltage design, the MGP ensures worry-free operation in potentially damaging environments with fluctuating power levels. An Internal power supply also simplifies rack mounting of the console at installed applications, with no use for a bulky adapter or additional connections.

# A Revolution in Digital

The MGP is the realization of a new approach towards the utilization of digital technologies in a mixer, offering simple, analog-style control of sophisticated DSP functions. One of the most compelling features of analog gear is the direct, hands-on, intuitive operation that unites the operator with the console. The MGP sought to keep this feel consistent throughout the design to offer a wealth of functionality, yet with a simple, familiar touch.

## More Than Just Digital... it's Hybrid.

# Hybrid Channel

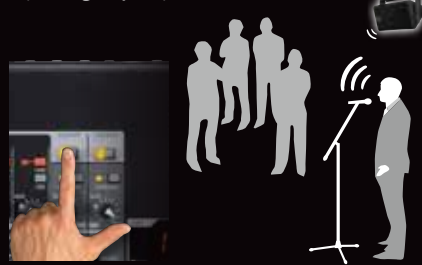


40 years of experience working with professional mixers has led Yamaha to offer a new way of approaching sound reinforcement in the digital age: the Stereo Hybrid Channel. Beneath the analog-style knobs and encoders of MGP Series mixing consoles lies a sophisticated digital control system—a fusion that combines traditional analog feel with the functionality that only digital technology can offer. The MGP Series utilizes a powerful, proprietary DSP to provide three essential features that are staples of both installed and live sound applications. In keeping with the theme of analog simplicity found throughout the MGP Series design, each of these functions is readily accessible and available at the touch of a button. Featuring a mid-sweep, three-band EQ for nuanced sound control and high-performance onboard A/D and D/A converters, the Stereo Hybrid Channel offers unique functionality with superior sound.



### Priority Ducker

An invaluable feature for applications that require both public-speaking and background music, Priority Ducker allows a microphone to take priority over another sound source automatically, just by speaking into the mic. Stop talking and the other sound source is brought back to its original level, therefore no console operator is required for this simple yet valuable function. You can even adjust the ducker attenuation of sound source depending on your preferences.



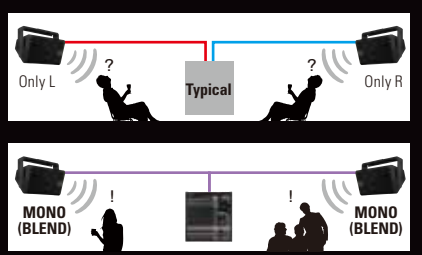
### Leveler

This intelligent compressor “auto levels” different tracks from a sound source that vary in volume, providing a more pleasurable listening experience. Ideal for small events with un-manned operation of your console, Yamaha's proprietary DSP algorithm allows for extended play time without the worry of fluctuating volume levels distracting your listeners.



### Stereo Image

The Stereo Image function seamlessly narrows the pan balance of the stereo sound source so that audiences spread over a wide area can enjoy a comfortably blended mix. This is particularly helpful for installed sound applications that requires background music. Using either of the two optimized settings—MONO and BLEND—Stereo Image ensures that everyone is in the “sweet spot” by providing a more optimally mixed sound to the entire space.

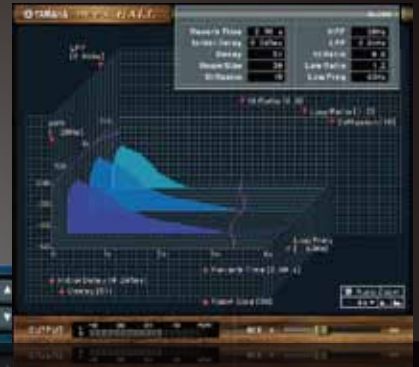


Advanced REV-X and Classic SPX

# Dual Digital Effects

MGP Series mixing consoles offer two separate studio-grade effects processors for ultimate enhancement of your sound, with simple intuitive control. Yamaha's high-end REV-X reverb offers three very musical and natural high-resolution reverb effects: Hall, Room and Plate—a first for any Yamaha analog mixer. For more sound-shaping possibilities, Yamaha's renowned SPX digital multi-effect processor provides a useful selection of 16 advanced digital effects with editable parameters. Both processors can be used simultaneously, giving you a vast array of tools to colour your sound.

**SPX**  
DIGITAL MULTI  
EFFECT PROCESSOR



Integrate Your Apple Devices into Your MGP Sound Experience

# Digital Connectivity for Your iPod/iPhone

In response to the growing demand for compatibility with iDevices, iPod/iPhone integration with the MGP offers much more than simple playback. With a single connection your Apple device is transformed into a flexible controller, giving you more detailed control of your MGP console.



**MGP Editor** ▶▶

MGP Editor is a free software application that gives you additional control of your console's DSP settings via your iPod/iPhone. With a simple and intuitive graphic display, MGP Editor gives you additional, detailed control of your REV-X and SPX effects parameters—as well as Hybrid Channel's Priority Ducker, Leveler and iPod/iPhone's playback settings.

Available on the  
**App Store**

\* MGP Editor can be downloaded from Apple's App Store at no charge.  
\* Apple, iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

**High-Quality  
Digital Playback** ▶▶

The MGP Series mixers feature a built-in USB port to connect and charge your iPod or iPhone for seamless playback with a single connection. A direct digital connection offers a much higher level of quality with more detail and clarity than typical analog inputs can provide.



\*Appearance may differ in final version



# Fill Your Space with Premium Sound

Not just for live bands and DJ's, the MG Series mixing consoles can easily adapt to a truly impressive range of applications from portable PA to fixed installation. Now with the newly added digital functions and superior sound of the MGP, the possibilities are endless.



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In addition to the complete redesign of the internal circuitry—from the mic preamps to the power supply—we also took a new, more intuitive approach to the knob design and control surface of the MGP Series consoles. The new color coordinated design is not only attractive but also functional, naturally guiding the console operator's hands to the intended functions.



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From the preamps, EQ and effects to the Hybrid Channel functions and iPod/iPhone connectivity—every aspect, every feature, every sound, establishes the MGP as a premium mixing console in a class of its own.

## Main Features



- Studio-grade Discrete Class A “D-PRE” Mic Preamps with an Inverted Darlington Circuit
- Musical X-pressive EQ based on Yamaha’s famed VCM Technology
- Professional 1-knob Compressors with LED Indicators
- High-grade Dual Digital Effects Processors: Advanced REV-X and Classic SPX
- Stereo Hybrid Channels utilizing a Powerful, Proprietary DSP
- Digital Connectivity for iPod/iPhone
- MGP Editor for Detailed Control of the Console’s DSP settings via iPod/iPhone
- Rugged, Impact-resistant, Powder-coated Metal Chassis
- Integrated Rack-ears for Easy Rack Mounting
- Internal Universal Power Supply for World-wide Use



Mono Input Channel

Stereo Input Channel

Hybrid Channel (MGP12X:9/10,11/12 MGP16X:13/14,15/16)



Master Section

## MGP12X

12-Channel Premium Mixing Console

- 6 Mic Inputs with 48V Phantom Power and HPF per Channel
- 12 Line Inputs (4 mono and 4 stereo)
- Additional 2TR Inputs Provided to Accept the Output from Analog Devices or iPod/iPhone
- 2 AUX Sends + 2 FX Sends
- 4 GROUP Buses + ST Bus

## Rear Panel

MGP12X

