

The background of the entire page is a grayscale photograph of a QSC speaker. The top portion shows a close-up of a speaker grille with a fine, diamond-shaped mesh pattern. Below the grille, several circular drivers, including tweeters and midrange drivers, are visible, arranged in a staggered pattern. The lighting creates a sense of depth and texture.

QSC[®]

LIVE SOUND

POCKET GUIDE

FALL 2018



Since 1968, QSC Live Sound has been serving the sound reinforcement needs of performers, audio professionals and entertainment venues. Whether it be our legendary amplifiers, industry-leading loudspeaker lines or cutting-edge digital mixers, QSC live sound solutions set up quickly, are easy to use, sound amazing, look professional, are reliable year after year, and deliver real and lasting value. We design our products and systems to help inspire great performances and deliver amazing experiences for audiences everywhere. That's our mission and our promise.

The following pages represent our latest products and technologies. Designed to give you a brief overview, this Guide should be considered a supplement to the Products and Solutions pages online at qsc.com. There, you will find a fully updated, comprehensive set of information, documentation, tools and images that work in tandem with this Guide. Additionally, our online education site, qsctraining.com is another great resource to learn more about QSC products and solutions.

Thank you for the opportunity to share our passion for audio with you.

Enjoy the Guide.

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TouchMix™ Series

Compact Digital Mixers



The TouchMix™ Series stands as the perfect complement to any installation that might have live performance needs, going Beyond Mixing™ to deliver amazing results to users at all levels of experience. For live sound professionals, TouchMix has everything you would want and expect in an advanced, world-class mixing console — in a package small enough to fit in constrained spaces. For more casual users TouchMix Presets, Wizards and Simple Modes help you get a professional mix quickly and easily.

“Big Mixer” Features and Specifications

TouchMix Series “no asterisk” specifications include 4-band, fully parametric EQ with variable hi- and lo-pass filters, as well as comprehensive dynamics processing on each input channel. Four mix busses feed four internal professional, digital effects processors (six busses and six processors on TM-30). Comprehensive dynamics, graphic EQ, hi-pass, lo-pass and notch filters and delay are available on both the main and aux outputs and there are 8 DCA groups with mutes as well as 8 mute groups. The TouchMix-30 Pro additionally offers 8 Sub groups with their own extensive processing as well as a Patch Matrix for “multing” of inputs and a powerful copy-and-paste function. A gain sharing Automatic Microphone Mixer is available for all 24 Mic/Line input channels. With 4/10/14 Aux output channels (TM-8/16/30), TouchMix also has ample stage monitor mixing capability and all models have the ability to drive wired stereo in-ear monitors directly.



TouchMix™-30 Pro



TouchMix™-8

Fast, Professional Results

TouchMix features a comprehensive library of Channel Presets designed specifically for the unique requirements of live reinforcement for music and speech. Created utilizing all types of instruments, popular microphones and pickups as well as multiple types of speaker systems, these presets help the user achieve great results quickly. Effects and Gain Wizards further assist the user in achieving great results quickly. All models feature powerful and intuitive Anti-Feedback and Room Tuning Wizards as well as two real-time analyzers (RTA).



Recording - With or Without a Computer

Direct to USB drive recording makes it easy to capture every performance to multi-track. The TouchMix-30 Pro can also operate as a 32x32 channel DAW interface for recording in both macOS® and Windows® environments.

Automatic Microphone Mixer - New!

The TouchMix-30 Automatic Microphone Mixer reduces feedback and extraneous noise when mixing conferences, panels and other events with multiple talkers. It is a gain sharing design available on all 24 mic/line input channels (requires firmware version 1.3 or higher).

TouchMix™ Series Compact Digital Mixers

TouchMix-30 Pro	
Display	10" (254 mm) diagonal, 1024 x 600 pixel, color TFT, capacitive multi-touch sensing
Inputs	32 (24 mic/line, 6 line, 2 stereo USB)
Total Inputs	24 (20 XLR, 4 XLR combo)
Mic/Line	6 (balanced, 1/4" TRS and top panel 1/8" (3.5 mm) stereo)
Line	2 Stereo USB / MP3 playback
Stereo USB	4-band Parametric EQ with Hi/Low Shelving option, variable 24 dB / octave HPF and LPF
EQ	Gate, Compressor
Dynamics	Delay (100 msec max)
Delay	Gain sharing, 24 channels, two instances (requires firmware 1.3 or higher)
Automatic Microphone Mixer	
Outputs	
Total Outputs	16
Main L/R	2 (XLR line-level)
Aux	14 (XLR, line-level)
EQ	1/3 octave GEQ, 6-band Parametric EQ, Variable HPF and LPF
Anti-Feedback Filters	12-band Anti-Feedback Filters
Dynamics	Compressor / Limiter
Delay	100 msec
Multi-Track	32 x 32 tracks direct to hard drive
DAW	32 x 32 tracks (Core Audio interface to Mac OS)
Effects	6 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift
Real Time Analyzer	2 (1/3 octave, assignable to channels or user selectable source)
External Control	TouchMix-30 Control App for iOS® and Android controls all mixer functions via Wi-Fi
Included Accessories	Power cable

¹ The TouchMix Control App requires iOS 8 or higher.

Specifications

TouchMix-16	TouchMix-8
7" (178 mm) diagonal color TFT, capacitive touch sensing	7" (178 mm) diagonal color TFT, capacitive touch sensing
22	14
16 (12 XLR, 4 XLR combo)	8 (4 XLR, 4 XLR combo)
2 Stereo (1/4" TRS)	2 Stereo, 1/4" TRS
Stereo USB / MP3 playback	Stereo USB / MP3 playback
4-band Parametric EQ with Hi/Low Shelving option, variable 24 dB / octave HPF and LPF	4-band Parametric EQ with Hi/Low Shelving option, variable 24 dB / octave HPF and LPF
Gate, Compressor	Gate, Compressor
Delay (100 msec max)	Delay (100 msec max)
12	6
2 (XLR line-level)	2 (XLR line-level)
6 (XLR, line-level) + 2 (TRS, stereo In Ear Monitor or mono balanced line-level)	4 (XLR, line-level)
1/3 octave GEQ, 6-band Parametric EQ, Variable 8-band Anti-Feedback Filters	1/3 octave GEQ, 6-band Parametric EQ, Variable 8-band Anti-Feedback Filters
8-band Anti-Feedback Filters	8-band Anti-Feedback Filters
Limiter	Limiter
100 msec	100 msec
22 x 22 tracks direct to hard drive	14 x 14 tracks direct to hard drive
N/A	N/A
4 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift	4 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift
1 (1/3 octave. Assignable to channels or user selectable source)	1 (1/3 octave. Assignable to channels or user selectable source)
TouchMix-8/16 Control App for iOS® and Android controls all mixer functions via Wi-Fi	TouchMix-8/16 Control App for iOS® and Android controls all mixer functions via Wi-Fi
USB Wi-Fi adapter, soft carrying case, power supply	USB Wi-Fi adapter, soft carrying case, power supply

¹ The TouchMix Control App requires iOS 8 or higher.



PLD Series – Processing Amplifier

Developed specifically for the needs of portable sound systems, PLD Series amplifiers provide efficient, robust and high fidelity power capable of driving multiple channels and loudspeaker configurations. The PLD line includes three powerful, light-weight, four-channel amplifiers (PLD4.2, PLD4.3 and PLD4.5) with advanced onboard DSP. Flexible Amplifier Summing Technology™ (FAST) actively distributes total amplifier power across one, two, three or all four outputs enabling amp channels to be paralleled or bridged for maximum current and voltage output.

- Capable of up to 5,000 W continuous and 8,000 W peak.
- Flexible Amplifier Summing Technology™ (FAST) permits total amplifier power to be distributed across one, two, three or all four channels
- Onboard full function loudspeaker processing including Crossover, EQ, Limiting and Alignment Delay eliminate the need for outboard loudspeaker processors
- Intrinsic Correction™ ensures optimum sonic performance of QSC loudspeakers
- Preset Wizard simplifies setup providing system design tools and loudspeaker selection
- Factory Presets can be used as is or modified and stored as one of 50 User Presets
- Four XLR input connectors and six NL4 Output connectors.
- PowerLight universal switchmode power supply with Power Factor Correction for highest efficiency, improved audio performance, and low weight
- Rear USB port for connecting to Amplifier Navigator software running on a PC or Mac for control, monitoring, and amplifier management. Amp Navigator also provides on- and off-line editing of Presets and Speaker Profiles along with library management



		PLD4.2	PLD4.3	PLD4.5
		Peak	Peak	Peak
4 Independent Channels A, B, C, D	8Ω	500 W	900 W	1200 W
	4Ω	700 W	1400 W	2000 W
	2Ω	625 W	1200 W	1600 W
2 Channels BTL Bridged A+B or C+D Doubles Voltage	8Ω	1200 W	2400 W	4000 W
	4Ω	1500 W	NR*	NR*
	2Ω	NR*	NR*	NR*
2 Channels Parallel AB or CD Doubles Current	8Ω	500 W	1300 W	1250 W
	4Ω	950 W	2000 W	2400 W
	2Ω	1200 W	2500 W	4000 W
1 Channel 3CH Parallel ABC Triples Current	8Ω	500 W	1400 W	1400 W
	4Ω	950 W	2400 W	2500 W
	2Ω	1800 W	3500 W	4500 W
1 Channel Bridged/Parallel AB+CD Doubles Current and Voltage	8Ω	1600 W	3500 W	4500 W
	4Ω	2500 W	5000 W	7500 W
	2Ω	NR*	NR*	NR*
1 Channel 4CH Parallel ABCD Quadruples Current	8Ω	500 W	1400 W	1600 W
	4Ω	1000 W	3000 W	3000 W
	2Ω	1700 W	5000 W	5300 W

NR* = Not Recommended due to excessive current draw
BOLD = Optimal configuration for the load and channel count



As part of QSC’s ongoing commitment to product development, specifications are subject to change without notice.

GXD Series – Processing Amplifier



The GXD Series defines the new amp standard for professional entertainers who require lightweight amplifiers with unmatched performance and flexibility at an affordable price point. This high performance line consists of two amplifiers, the GXD4 and GXD8, each providing enormous Class-D power in a lightweight and efficient package. The universal switchmode power supply helps reduce the weight, increase efficiency, and ensures rock-solid continued operation even with poor power conditions. The addition of on-board DSP processing with an easy-to-use interface offers powerful tools like Crossover and EQ filters, Delay, and Power Limiting that allow the user to configure the amplifier and maximize the performance of their loudspeakers. The GXD Series amplifiers are engineered to meet any demanding application and provide excellent power and legendary QSC reliability, in an efficient, lightweight, and flexible package; bottom line, the GXD amplifiers provide outstanding value!

- Total power of 4500 W and 1600 W means real power for your application
- Extensive and powerful loudspeaker processing to maximize loudspeaker performance including Crossover and Parametric EQ filters, Delay, and Power Limiting
- Power levels matched to the most popular loudspeakers and optimized for the maximum real-world headroom into 4 Ω and 8 Ω loudspeakers
- Class-D output power with a universal switchmode power supply for high performance and efficiency, as well as light weight



GXD4 Rear



GXD8 Rear

Watts per channel			
Model	8 Ω Power/Channel	4 Ω Power/Channel	Max Total Peak Power
GXD4	400	600	1600
GXD8	800	1200	4500
Both channels driven. 1 kHz, onset of clipping As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.			



- Parallel XLR and 1/4" TRS input connectors for compatibility with any source while providing convenient loop-thru capability
- Professional NL4 and Binding Post output connectors provide mono and bi-amp speaker connectivity
- Front panel LEDs monitor, Power, Signal and Clipping
- Large LCD display with dual rotary encoders for fast and simple set-up and on-screen monitoring of the output levels

PowerLight™ 3 Series

PowerLight 3 Series are our “Ultimate Analog” amplifiers, designed for the most demanding concert and live-sound reinforcement applications. All three models (PL380, PL340 and the PL325) feature the PowerLight™ power supply technology reducing weight, eliminating AC mains hum and improving audio quality. With zero signal latency with select QSC processors for seamless integration and flawless loudspeaker alignment, the PowerLight 3 Series architecture provides users the choice of comprehensive, networked remote control, monitoring and DSP or the cost savings of a simple, straightforward analog input configuration.

- Class D (PL380) and Class H (PL340 & PL325) topology provide efficient high power performance
- Three-position Input Sensitivity switch simplifies integration of PowerLight 3 amplifiers into existing amp racks and power systems
- User defeatable clip limiters and selectable low-frequency filters (30 Hz, 50 Hz, Bypass)
- DataPort connection supports external amplifier control.
- Zero signal latency between the DataPort and compatible devices such as the DSP-4 rear panel module, Q-Sys™ or QSCControl.net™ BASIS™ units
- XLR and Block Input connectors and Binding post or Neutrik speakON® Output connectors
- Comprehensive internal protection protects amplifiers and loudspeakers against over-current, over-temperature and clipping – without compromising program signal



PL380



PL325 and PL340

Watts per channel			
Model	8 Ω*	4 Ω*	2 Ω**
PL325	500	850	1250
PL340	800	1250	2000
PL380	1500	2500	4000

* EIA 1 kHz, 1% THD
** Burst mode testing required due to AC service current limitations



PLX2 Series



PLX2 is a powerful, lightweight amplifier line designed to meet the rigorous demands of live musicians and mobile entertainers. The “02” models (1802, 2502, 3102, 3602) can drive loads down to 2 Ω and include subwoofer or satellite crossover settings. For applications not requiring bridging, 2 Ω operation, or internal subwoofer signal processing, “04” models (1104, 1804) deliver the same audio performance in a lighter weight, cost-effective unit. With third generation PowerLight™ technology, PLX2 amplifiers deliver superb audio quality with powerful low-frequency performance and feature a professional appearance with a die-cast aluminum front panel acting as an integral I-beam, to create an extremely rugged, road-worthy device.

- Active Inrush Limiting prevents AC mains circuit breakers from popping during turn-on
- Front panel gain controls (1 dB detents) allow precise input sensitivity adjustment
- Front panel LED status indicators enable system monitoring and troubleshooting
- Balanced XLR and ¼" TRS parallel inputs accommodate the most commonly used input connectors for live sound and support loop-through routing
- speakON® NL4 output connectors provide a positive-locking speaker connection. Channel 1's output can use all four wires to connect to bi-amplified speakers with a single cable
- Selectable low-frequency filter (33 Hz) protects speakers and increases headroom



PLX2 “02” Models



PLX2 “04” Models

Watts per channel

		Stereo		Bridged	
Model	8 Ω*	4 Ω*	2 Ω**	4 Ω**	
PLX1804	325	550	—	—	
PLX1804	600	900	—	—	
PLX1802	330	575	900	1800	
PLX2502	450	750	1250	2500	
PLX3102	600	1000	1550	3100	
PLX3602	775	1250	1800	3600	

* 1 kHz, 0.1% THD, both channels driven
** 1 kHz, 1% THD, both channels driven



GX Series

GX Series amplifiers offer maximum performance, portability and reliability and a cost effective price. Ideally suited for use by entertainers, musicians and DJs, the GX line features three models; the GX3 (300 W), the GX5 (500 W) and the GX7 (700 W) each uniquely designed to supply optimal power to the sound reinforcement loudspeakers most often used by entertainment professionals. A built-in crossover facilitates the use of subwoofers while front panel gain controls allow easy access for balancing the sub with the full-range cabinet. GuardRail™ optimizes peak power and protects the system during the most demanding applications.

- Power levels matched to the most popular speakers used by entertainers
- Optimized for maximum real-world headroom into 4 Ω and 8 Ω speaker systems
- XLR, ¼" TRS and phono input connectors
- speakON® combo and Binding post output connectors
- Detented gain controls for precise setting and matching of sensitivity
- Lightweight – GX3 and GX5 less than 26 lb (12.5 kg); GX7 only 15.5 lb (7 kg)



GX5

Model	Watts per channel	
	8 Ω	4 Ω
GX3	300	425
GX5	500	700
GX7	725	1000

Both channels driven. 1 kHz, onset of clipping



RMXa Series



RMXa 3RU Models

RMXa Series amps are built upon the proven RMX amplifier line combining legendary QSC reliability and audio performance in a cost effective power amplifier solution. For mid-power applications, the 2RU (RMX 850a, RMX 1450a, RMX 2450a) models feature 4 Ω power ratings from 300 to 800 watts per channel. For premium loudspeaker systems with extremely high power capacity, the 3RU (RMX 4050a & RMX 5050a) models offer unsurpassed value and performance.

- Independent, defeatable clip limiters reduce distortion and protect speakers
- Selectable low-frequency filters (30 or 50 Hz) protect speakers and increase headroom
- Flexible output loading options that allow you to drive low impedance loads down to 2 Ω
- Five models to choose from with power ranges from 300 to 2000 watts per channel at 4 Ω



RMXa 2RU Models

Watts per channel

Model	Stereo		Bridged	
	8 Ω	4 Ω	2 Ω *	4 Ω
RMX 850a	200	300	430	830
RMX 1450a	300	500	700	1400
RMX 2450a	500	800	1200	2400
RMX 4050a	850	1400	2000	4000
RMX 5050a	1100	2000	2500	5000

1 kHz, 0.5% THD *1 kHz, 1% THD



- Front panel gain controls for fast and accurate level settings
- Recessed rear DIP switches for easy selection between stereo, parallel, or bridged mode operation, and the additional choice of enabling/disabling low frequency filter protection
- Balanced XLR, TRS or Barrier Strip parallel inputs with loop-through capability and NL4 or Binding Post output connectors



E Series Passive Loudspeakers



The E Series range of passive loudspeakers offers robust construction, trusted reliability and overall sonic performance beyond expectations. Intended for sound reinforcement in entertainment applications including live performance, DJ and dance music, karaoke and event production, E Series loudspeakers deliver outstanding results and incredible value.

E Series consists of six models constructed of rugged plywood and coated in black, textured paint. Heavy-duty grilles lined with foam provide protection for the woofers and an elegant appearance.

- Loudspeaker tunings in GXD and PLD Series amplifiers as well as TouchMix Series digital mixers further enhance E Series performance and flexibility
- E110 multi-purpose design suitable for main PA and stage monitor
- Available U-Style Yoke as well as M8 eyebolt kit for the E110 and M10 eyebolt kits for the E112, E115 and E215 for permanent installations applications.
- Dual-angle pole socket (E110, E112, E115)
- E118sw Subwoofer includes speaker pole

	E110	E112
Frequency Range (-10 dB)	50 Hz – 20 kHz	46 Hz ¹ – 20 kHz
Rated Power (Continuous / Peak)	300 W / 1200 W	400 W / 1600 W
System Sensitivity	95 dB, 1 W @ 1 m	96 dB, 1 W @ 1 m
Nominal Coverage	85° conical	85° conical
Output ² (Peak SPL @ 1 m)	126 dB	128 dB
Driver Information		
LF	254 mm (10") driver with 64 mm (2.5") voice coil	305 mm (12") driver with 76 mm (3") voice coil
HF	25 mm (1") exit, 45 mm (1.75") voice coil, compression driver	25 mm (1") exit, 45 mm (1.75") voice coil, compression driver
Rated Impedance	8 Ω	8 Ω
Input Connectors	2 x NL4, 1 x barrier strip	
Enclosure	11-ply, black texture paint finish. Perforated, powder-coated steel grille with foam lining.	
Net Weight	44 lb / 20 kg	51 lb / 23 kg
Accessories	Cover, Yoke, M8 Eyebolt Kit	Cover, Yoke, M10 Eyebolt Kit

	E115	E215
Frequency Range (-10 dB)	43 Hz – 20 kHz	39 Hz – 20 kHz
Rated Power (Continuous / Peak)	500 W / 2000 W	1000 W / 4000 W
System Sensitivity	97 dB, 1 W @ 1 m	98 dB, 1 W @ 1 m
Nominal Coverage	75° conical	75° conical
Output ² (Peak SPL @ 1 m)	130 dB	134 dB
Driver Information		
LF	381 mm (15") driver with 89 mm (3.5") voice coil	Dual 381 mm (15") drivers with 89 mm (3.5") voice coil
HF	38 mm (1.5") exit, 71 mm (2.8") voice coil, compression driver	38 mm (1.5") exit, 71 mm (2.8") voice coil, compression driver
Rated Impedance	8 Ω	4 Ω
Input Connectors	2 x NL4, 1 x barrier strip	
Enclosure	11-ply, black texture paint finish. Perforated, powder-coated steel grille with foam lining.	
Net Weight	68 lb / 31 kg	108 lb / 49.1 kg
Accessories	Cover, Yoke, M10 Eyebolt Kit	Cover, M10 Eyebolt Kit

¹ With QSC processing.
² Calculated for 1 m, based on sensitivity (full-space for full range systems and half-space for LF-only and subwoofer systems) and peak power capability of amplifier.

E Series- Dual 15-inch Two-Way Passive Loudspeaker - E215



E215

E215 Features

The E215 is a trapezoidal, two-way loudspeaker featuring dual 15-inch 500 W (each, continuous) die-cast aluminum frame woofers with 3.5-inch voice coil. It employs a frequency-shading topology across both woofers to maximize low frequency output, while minimizing interference through the HF crossover transition. It is intended for use when high-power and extended low-end are needed from a single full-range loudspeaker. A large format 2.8-inch compression driver attached to the 75° Directivity Matched Transition™ (DMT) waveguide assures that even distant listeners will be well covered.

- High output, professional quality sound with 1000 W continuous, 4000 W peak power
- E Series Entertainment System – Advanced digital signal processing tunings and options using QSC GXD, PLD amplifiers or TouchMix™ digital mixers.
- Titanium diaphragm for high fidelity and long life
- Rugged tour-grade textured paint
- Foam-lined perforated steel grill
- Optional padded transport cover for protection during transit (E215 CVR)
- Optional M10 rigging kit available for permanent installation

E Series- Dual 18-inch Passive Subwoofer - E218sw



E218sw

E218sw Features

The E218sw is a high-performance passive subwoofer with two, 800 W, 18-inch aluminum frame woofers. It's designed to produce crushing low-end for live performance bands and high-energy dance music. For portable applications it includes attachment points for four optional casters. The subwoofer's 4-ohm impedance means that a single unit can be optimally powered by an affordable power amplifier.

- High output, professional quality sound with 1600 W continuous power
- E Series Entertainment System – Advanced digital signal processing tunings and options using QSC GXD, PLD amplifiers or TouchMix™ digital mixers.
- Rugged tour-grade textured paint
- Foam-lined perforated steel grill
- Optional padded transport cover for protection during transit (E218sw CVR)
- Optional Caster Kit for greater portability (CASTER KIT-L)

E Series Passive Subwoofers

	E118sw	E218sw
Frequency Range (-10 dB)	37 – 230 Hz	32 – 230 Hz
Rated Power (Continuous / Peak)	800 W / 3200 W	1600 W / 6400 W
System Sensitivity	98 dB, 1 W @ 1 m	101 dB, 1 W @ 1 m
Nominal Coverage	N/A	N/A
Output ² (Peak SPL @ 1 m)	133 dB	136 dB
Driver Information		
LF	457 mm (18") driver with 102 mm (4") voice coil	Dual 457 mm (18") drivers with 102 mm (4") voice coil
HF	N/A	N/A
Rated Impedance	4 Ω	4 Ω
Input Connectors	2 x NL4, 1 x barrier strip	
Enclosure	11-ply, black texture paint finish. Perforated, powder-coated steel grille with foam lining.	
Net Weight	95 lb / 43 kg	168 lb / 76.4 kg
Accessories	Cover, 3" Caster Kit	Cover, 4" Caster Kit

¹ With QSC processing.
² Calculated for 1 m, based on sensitivity (full-space for full range systems and half-space for LF-only and subwoofer systems) and peak power capability of amplifier.



CP Series Compact Powered Loudspeakers



CP Series Features

The first thing you will notice about the CP Series is its compact design - every line, angle and curve working harmoniously to present a stylish, yet rugged, appearance. Inside, CP is equipped with a highly-efficient, 1000-watt power amplifier, matching transducers and advanced DSP, delivering performance beyond expectations for a loudspeaker of this size.

- Compact and powerful performance
- 1000 Watt peak power Class-D amplifier module
- Easily selected contours for commonly-used applications
- Advanced DSP with Intrinsic Correction™ for superior sound quality and speaker protection
- Directivity Matched Transition™ (DMT) for consistent frequency response across the entire coverage area
- Light weight and highly portable
- Professional appearance looks great in any application
- Use for main PA, stage monitor, or instrument amplifier
- 35 mm pole socket
- Optional yoke, tote, and outdoor cover accessories
- Complete EASE and CAD information available online
- 3-Year Warranty with product registration

Because of its compact size, CP is remarkably lightweight, making it easy to load, carry, lift and deploy in a wide range of portable and installed applications. Entertainers of all kinds, as well as educators, institutions and houses of worship will appreciate the ability to mix up to three input sources (mic/line, line and music playback device) at once, making CP a great single-box PA system that sets up in seconds. As part of a larger system, CP can be deployed on a speaker pole, used as a floor monitor or as a musical instrument amplifier. System integrators will especially appreciate CP's lightweight and compact form factor when attaching it to a wall or truss (via optional yoke mount). And all users will enjoy one-touch DSP control with preset contours for the most common audio applications.

	CP8	CP12
Configuration	Two-way active loudspeaker	
Frequency Range (-6 dB)	56 - 20 kHz	49 - 20 kHz
Frequency Range (-10 dB)	53 - 20 kHz	47 - 20 kHz
Nominal Coverage Angle	90° Axisymmetric	75° Axisymmetric
Maximum Rated SPL ¹	124 dB	126 dB
Amplifier	Class D Peak: 800 W (LF), 200 W (HF)	Class D Peak: 800 W (LF), 200 W (HF)
AC Power Input:	Universal power supply 100 – 240 VAC, 50 – 60 Hz	
Transducers		
LF	8 in (203 mm), cone	12 in (305 mm), cone
HF	1.4 in (35.6 mm) compression driver	1.4 in (35.6 mm) compression driver
Enclosure	Polypropylene	
Net Weight	21.0 lbs (9.5 kg)	30.3 lbs (13.7 kg)

¹ Peak SPL is measured on-axis at 1 m, with dynamic pink noise

K.2 Series Powered Loudspeakers



The QSC K.2 Series is quite simply, the next standard in powered loudspeakers. 2000 watts of power, elegant design and advanced DSP deliver pristine sound quality and accurate coverage. Presets and user-configurable Scenes deliver the ultimate flexibility for both main PA and floor monitor applications.

- Best in class audio performance
- 2000 watt Class-D amplifier module
- Factory Presets and savable/recallable Scenes for commonly-used applications such as Stage Monitor, Dance Music, Musical Instrument Amplification, Hand-held Microphone and more
- Multi-function digital display for control and selection of loudspeaker functions including cross-over, EQ, delay and frequency contours
- Intrinsic Correction™ tuning and loudspeaker management
- DMT™ (Directivity Matched Transition) design provides excellent power response and consistent performance across the listening area

	K8.2	K10.2	K12.2
Frequency Range (-10 dB)	61 Hz – 20 kHz	56 Hz – 20 kHz	48 Hz – 20 kHz
Nominal Coverage	105° conical	90° conical	75° conical
Output ¹ (Peak SPL @ 1 m)	128 dB	130 dB	132 dB
Amplifier Power	1800 W (LF) + 225 W (HF) Peak Power capacity, Class D		
AC Current Consumption 1/8 Power ²	100 VAC, 2.1 A • 120 VAC, 1.9 A • 230 VAC, 1.1 A		
Driver Information			
LF	8" cone transducer	10" cone transducer	12" cone transducer
HF	1.4" titanium diaphragm compression driver	1.4" titanium diaphragm compression driver	1.4" titanium diaphragm compression driver
Input Connectors	Balanced female XLR+ 1/4" (6.3 mm) combo MIC/LINE Input Balanced female XLR+ 1/4" (6.3 mm) combo HI-Z/LINE Input Stereo 1/8: (3.5 mm) TRS input (mono-summed)		
Enclosure	Impact-resistant ABS		
Net Weight	27 lb / 12.2 kg	32 lb / 14.5 kg	39 lb / 17.7 kg

¹ Peak SPL is measured on-axis at 1 m, with dynamic pink noise
² 1/8 power is representative of current draw with typical music program material with occasional clipping.



- Refined, professional appearance looks great in any application
- Rugged ABS enclosure for long life and lasting durability
- Deployment in either main PA or floor monitor position
- Dual pole cup mounts (straight-firing and 7.5 degree down-tilt)
- M10 fittings for flown applications
- Optional security panel prevents unauthorized tampering of controls
- 6-Year Warranty with product registration

KS Series - Cardioid Subwoofer - KS212C



KS212C

KS212C Features

The KS212C subwoofer represents the world's first-in-class single-box powered cardioid subwoofer solution for highly portable entertainment and installation applications.

A breakthrough in innovation and design, the 3600 watt KS212C subwoofer uniquely provides all the benefits of cardioid deployment in a single, compact enclosure. "Keeping bass in its place" for mobile entertainers, AV production and rental professionals, as well as modestly-sized performance venues, the KS212C subwoofer is unparalleled in its ability to manage low frequencies on the stage, or any application where undesirable low frequency energy needs to be minimized.

- 3600 watt Class D power module
- Dual 12-inch long excursion drivers; Dual 6th order band-pass design
- 15 dB SPL attenuation front-to-rear
- Two M20 threaded sockets (one on top, one on side) accept 35 mm speaker pole
- Four low-noise, heavy-duty casters
- Dual XLR combo outputs with direct loop-thru outputs provide both Mono and Stereo operation

KS Series - Compact Subwoofer - KS112



KS112

KS112 Features

The KS112 is a highly portable, single 12-inch bandpass design subwoofer, powered by a 2000 watt peak power class D amplifier module. The cabinet is constructed of premium birch and includes high-quality, low noise casters.

Two M20 threaded pole receptacles are available for a positive, wobble-free connection to a threaded speaker pole in either vertical or horizontal deployment (pole not included).

- High Output in an ultra-compact form factor
- 2000 Watt class D amplifier module
- 12-inch, long-excursion driver; 6th order bandpass design
- Variable crossover and savable/recallable Scenes for commonly-used applications
- Refined, professional appearance looks great in any application
- Rugged painted wood enclosure for long life and lasting durability
- Deployment in either vertical or horizontal positions with dual M20 speaker pole fittings
- Optional KS-LOC security cover prevents unauthorized tampering of controls
- 6-Year Warranty with product registration

KS Series Subwoofers



	KS212C	KS112
Frequency Range (-10 dB)	39 - 118 Hz	38 - 121 Hz
Output ¹ (Peak SPL @ 1 m)	132 dB	128 dB
Amplifier Power	2 x 1800 W (peak) Class D	2000 W (peak) Class D
Current Consumption 1/8 Power ²	100 VAC, 3.6 A 120 VAC, 3.0 A 240 VAC, 1.7 A	100 VAC, 2.4 A 120 VAC, 2.0 A 240 VAC, 1.3 A
Driver Information		
LF	Dual 12" (305 mm), cone transducers	12-inch (305 mm) cone
HF	N/A	N/A
Input Connectors	2 x locking XLR/F ¼" combo, 2 x XLR/M (Loop-thru Output), 1 x locking IEC power connector	2 x locking XLR/F ¼" combo, 2 x XLR/M (Loop-thru Output), 1 x locking IEC power connector
Enclosure	Textured Birch Plywood	Textured Birch Plywood
Net Weight	40.1 kg (88.5 lbs)	62.6 lb / 28.4 kg

¹ Peak SPL is measured on-axis at 1 m, with dynamic pink noise..
² 1/8 power is representative of current draw with typical music program material with occasional clipping.



KW Series Powered Loudspeakers



KW153

KW152

KW122

KW181

Built on the highly successful K Series platform, KW Series loudspeakers feature a 1000 watt, Class D power module with onboard DSP housed in all birch wooden enclosures that deliver superior levels of sonic clarity and total output. With three full-range models in the line (KW122, KW152 and KW153) plus a subwoofer (KW181), users can select a model based on desired coverage angle for optimum performance.

- Combo XLR / 1/4" TRS inputs
- Variable mic/line input gain
- Direct loop-thru outputs and balanced summed output
- Stereo (mono-summed) RCA phono inputs (full-range models)
- On-board mixing of up to three audio sources
- DEEP™ provides extended low-frequency performance
- Intrinsic Correction™ ensures a flat sonic response
- All birch plywood enclosures
- Integrated M10 suspension points on full range models

	KW122	KW152
Frequency Range (-10 dB)	50 Hz – 20 kHz	43.7 Hz – 20 kHz
Nominal Coverage (-6 dB)	75° conical	60° conical
Output ¹ (Peak SPL @ 1 m)	131 dB	133 dB
Amplifier Power	1000 W continuous Class D	1000 W continuous Class D
Current Consumption 1/8 Power ²	100 VAC, 2.3 A • 120 VAC, 2.01 A • 230 VAC, 1.13 A	
Driver Information		
LF	12" cone transducer	15" cone transducer
HF	1.75" diaphragm compression driver	1.75" diaphragm compression driver
Input Connectors	Balanced female XLR / 1/4" mic/line level input • Balanced female XLR / 1/4" line level input • Stereo RCA line level input	
Enclosure	Painted Birch Plywood	Painted Birch Plywood
Net Weight	49 lb / 22.2 kg	64 lb / 29 kg

	KW153	KW181
Frequency Range (-10 dB)	33 Hz – 20 kHz	34 – 143 Hz
Nominal Coverage (-6 dB)	75° conical	N/A
Output ¹ (Peak SPL @ 1 m)	131 dB	130 dB
Amplifier Power	1000 W continuous Class D	1000 W continuous Class D
Current Consumption 1/8 Power ²	100 VAC, 2.3 A • 120 VAC, 2.01 A • 230 VAC, 1.13 A	
Driver Information		
LF	15" cone transducer	18" cone transducer
MF	6.5" mid range cone transducer	N/A
HF	1.75" diaphragm compression driver	N/A
Input Connectors	Balanced female XLR / 1/4" mic/line level input • Balanced female XLR / 1/4" line level input • Stereo RCA line level input	Dual balanced female XLR / 1/4" line level input
Enclosure	Painted Birch Plywood	Painted Birch Plywood
Net Weight	41 lb / 18.6 kg	74 lb / 33.6 kg

¹ Calculated for 1 m, based on sensitivity (full-space for full range systems and half-space for LF-only and subwoofer systems) and peak power capability of amplifier.

² 1/8 power is representative of current draw with typical music program material with occasional clipping.





KLA Series Active Loudspeakers



KLA181/KLA12



KLA12

The KLA Series brings the power and sophistication of a line array system into an easy-to-use product, significantly redefining the line array product category. With its simple “Lift, Click and Play” approach, KLA can be deployed in a fraction of the time required by comparable line array products. This fixed arcuate, active line array system is ideal for a wide range of portable and permanently installed applications ranging from live entertainment to houses of worship or other venues where a line array system is desired.

- 1000 watt Class D power module
- Integrated XLR input with loop thru
- 90° x 18° coverage (each enclosure)
- Integrated, easy-to-use rigging hardware allows for quick deployment
- Ar-Q™ (Arcuate Equalization) enables quick tuning of an array with the click of a switch
- DEEP™ provides extended low-frequency performance
- Intrinsic Correction™ ensures a flat sonic response
- KLA12 features an impact-resistant ABS enclosure while the KLA181 features a textured birch plywood enclosure
- Integrated M10 suspension points

	KLA12	KLA181
Frequency Range (-10 dB)	44 Hz– 20 kHz	33 – 129 Hz
Nominal Coverage (-6 dB)	90 x 18 degree	N/A
Output ¹ (Peak SPL @ 1 m)	131 dB	135 dB
Amplifier Power	1000 W continuous Class D	1000 W continuous Class D
Current Consumption 1/8 Power ²	100 VAC, 2.3 A • 120 VAC, 2.01 A • 230 VAC, 1.13 A	
Transducers		
LF	12" cone transducer	18" cone transducer
HF	1.75" diaphragm compression driver	N/A
Input Connectors	Balanced female XLR line level input •	
Enclosure	Impact resistant ABS	Painted birch plywood
Net Weight	55 lb / 25.0 kg	104 lb / 47.2 kg

¹ Calculated for 1 m, based on sensitivity (full-space for full range systems and half-space for LF-only and subwoofer systems) and peak power capability of amplifier.
² 1/8 power is representative of current draw with typical music program material with occasional clipping.





Available Accessories

Available K.2 Series

- K8.2 TOTE
- K10.2 TOTE
- K12.2 TOTE
- K8.2 YOKE
- K10.2 YOKE
- K12.2 YOKE
- K8.2 OUTDOOR COVER
- K10.2 OUTDOOR COVER
- K12.2 OUTDOOR COVER
- SP-16x, Speaker Pole Extension
- SP-36, Speaker Pole
- M10 Kit-C, Eyebolt Kit
- K.2 LOC, Lock-out cover



K.2 Series Outdoor Cover
(rear flap opened)



K.2 LOC (Lock-Out Cover)



K.2 Series Totes

Available KW Series

- KW122 COVER
- KW152 COVER
- KW153 COVER
- KW181 COVER
- M10 Kit-W, Eyebolt Kit
- KW SUS KIT 122, Suspension Kit

Available KLA Series

- KLA12 TOTE
- KLA181 COVER
- KLA AF12, Array Frame
- KLA AF12 TOTE
- M10 Kit-C, Eyebolt Kit



K.2 Series Yoke Mount
(deployed vertically)



K.2 Series Yoke Mount
(deployed horizontally)



Eyebolt M10 Kit-C



KS112 Cover with two K8.2 Totes

Available CP Series

- CP8 Tote, CP8 Outdoor Cover, CP8 Yoke
- CP12 Tote, CP12 Outdoor Cover, CP12 Yoke



CP Series Yoke Mount
(deployed horizontally)



CP Series Cover



CP Series Pole Mount

WideLine-8 Line Array System



Designed for the most demanding concert and installation applications, the WideLine-8 system packs full size line array performance into an ultra compact package ideal for venues with height or sightline restrictions.

WL3082 shown hung from AF3082-S

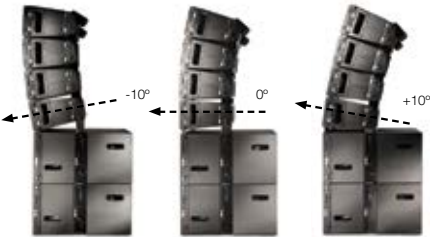
- Extremely compact (only 20" / 508 mm wide) and lightweight (38 lb / 17.2 kg)
- High acoustic output (133 dB SPL peak)
- Wide 140° horizontal coverage
- High power, 8" neodymium LF / MF drivers provide low-frequency extension to 62 Hz without subwoofers
- 3" diaphragm compression driver on QSC's patented 140° multiple diffraction aperture waveguide (Patent No. 7,177,437)
- Patented (D576,660) side-mounted vent ports designed for double duty as handles
- Simple, easy-to-use rigging system supports arrays of up to 12 units with a 10:1 design factor
- Flexible ground stack capability
- Fully supported in EASE and EASE Focus acoustic software

WL3082

Frequency Range (-10 dB)	62 Hz – 20 kHz
Nominal Coverage	140° Horizontal
Peak Output ²	
LF	128 dB
MF	128 dB
HF	133 dB
Power Handling ¹	
LF	250 W
MF	250 W
HF	100 W
Driver Information	
LF	Dual, 8" woofer, 2.5" voice coil
HF	1.4" exit, 3" diaphragm, neodymium magnet compression
Input Connectors	2 x NL8 in parallel
Enclosure	Premium 18 mm Baltic Birch Plywood
Net Weight (each)	38 lb / 17 kg

¹ Continuous IEC specified test signal, 2 hours unless otherwise stated.

² Calculated at 1 m using power capacity and system sensitivity. 6 dB peak-to-average signal ratio assumed.



Four WL3082 on top of two WL212-sw

As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.

WideLine-8 Subwoofers



GP212-sw

GP212-sw

- Dual 12" subwoofer in a 4th order bandpass enclosure
- 135 dB SPL peak output capability
- Frequency range to 32 Hz (-10 dB down point)
- Integrated M10 suspension points
- M20 threaded pole mount

WL212-sw

- Dual 12" subwoofer in a 4th order bandpass enclosure
- 135 dB SPL peak output capability
- Frequency range to 32 Hz (-10 dB down point)
- May be suspended at the top of a WL3082 array or behind the array
- Integral suspension hardware also supports WL3082 in ground stack applications



WL212-sw

	GP212-sw	WL212-sw
Frequency Range (-10 dB)	32 – 107 Hz	32 – 107 Hz
Peak Output ²	135 dB	135 dB
Power Handling ¹ SUB	850 W	850 W
Driver Information LF	Dual 12" transducers, 4" voice coil, ferrite magnet	
Input Connectors	2 x NL8 in parallel and 2 x NL4 in parallel	
Enclosure	Premium 18 mm Baltic Birch Plywood	
Net Weight (each)	99.5 lb / 45.1 kg	99.5 lb / 45.1 kg

¹ Calculated at 1 m using power capacity and system sensitivity. Assumed 6 dB peak-to-average signal ratio.
² Continuous IEC specified test signal, 2 hours unless otherwise stated



WideLine-10 Line Array System

The WideLine™ WL2102-w is a compact, high-output, wide dispersion line array loudspeaker system renowned for its ability to meet and exceed requirements for applications ranging from corporate meetings to large venue reinforcement of high-level popular music. From ballrooms to churches to concert venues, WideLine-10 is known for its full-range, warm, open, natural sound.



WL2102-w shown hung from AF2102-LA

- Patented* multiple aperture diffraction slot waveguide provides exceptionally wide horizontal coverage (140°) and a near ideal vertical line source
- Exceptionally high output capability in a very compact form factor.
- Bi-amp or tri-amp design
- Dual 10" long excursion, high power, low-frequency transducers
- Single 3" diaphragm neodymium compression driver
- Premium 18 mm Baltic Birch plywood
- Fully captive hardware design incorporates all components necessary for box to box rigging.

WL2102-w

Frequency Range (-10 dB)	48 Hz – 20 kHz
Nominal Coverage	140° Horizontal
Peak Output ² LF / MF	133 dB / 133 dB
Power Handling ¹ HF LF / MF Bi-amp Tri-amp	80 W 600 W 400 W + 400 W
Driver Information LF HF	2 x 10" transducer, 3" voice coil, ferrite magnet 3" titanium diaphragm, neodymium magnet
Input Connectors	2 x NL8 in parallel
Enclosure	Premium 18 mm Baltic Birch Plywood
Net Weight (each)	83 lb / 37.7 kg

¹ Continuous IEC specified test signal, 2 hours bi-amp mode unless otherwise stated.
² Calculated at 1 m using power capacity and system sensitivity. 6 dB peak-to-average signal ratio assumed.



Available WideLine-10 Accessories

- AF2102-LA: Large Array Frame, may be used to stack twelve (12) or fly twenty-four (24) WL2102-w elements

*Patent No. 7,177,437

WideLine-10 Subwoofers



Four WL218-sw shown
hung from AF218-sw

GP218-sw

WL218-sw

- Simple, convenient suspension system based on the proven QSC WideLine design. Supports up to 8 WL218-sw subwoofers with a 10:1 design factor
- Very high acoustic output capability - 139 dB SPL (1 m) peak
- Exceptional “punch” combined with low-frequency extension down to 31 Hz
- Comprehensive transport and handling features including an easy to attach dolly and twelve thoughtfully placed handles.
- Premium-grade, long-excursion, high-power woofers with 4", fiberglass voice coils, double layer spiders and triple roll surrounds
- Birch ply enclosure with independent, dual chambers and extensive internal bracing for rigidity and solid, accurate reproduction

GP218-sw

- Very high acoustic output capability – 140.5 dB SPL (1 m) peak
- Tight musical “punch” combined with low-frequency extension down to 27.4 Hz

- Elegant transport and handling features including an optional transport dolly plus soft cover and four thoughtfully placed handles
- Premium-grade, long-excursion, high-power woofers with 4", fiberglass voice coils, double layer spiders and triple-roll surrounds
- Premium 18 mm Baltic Birch Plywood enclosure with independent, dual chambers and extensive internal bracing for rigidity and solid, accurate reproduction

Available WideLine-10 Subwoofer Accessories

- AF218-sw: Array frame
- CVR218: Soft cover for WL218-sw
- CVRGP218: Soft cover for GP218-sw
- CRT218-O: Caster pallet for GP218-sw

	GP218-sw	WL218-sw
Frequency Range (-10 dB)	28 – 230 Hz (without processing)	31 – 230 Hz (without processing)
Peak Output ²	140.5 dB	139 dB
Power Handling ¹	1700 W	1700 W
Driver Information LF	Dual 18" transducers, 4" voice coil, ceramic magnet assembly	
Input Connectors	2 x NL4 in parallel	
Enclosure	Premium 18 mm Baltic Birch Plywood	
Net Weight (each)	191 lb / 86.6 kg — speaker only	204 lb / 92.5 kg — speaker only 244 lb / 110 kg — includes dolly

¹ Continuous IEC specified test signal, 2 hours unless otherwise stated.
² Calculated at 1 m using power capacity and system sensitivity. Assumed 6 dB peak-to-average signal ratio.





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Mixers



◀ TouchMix™ Series Compact Digital Mixers

Amplifiers



◀ PLD Series



◀ PowerLight™ 3 Series



◀ RMXa Series



◀ PLX2 Series

Amplifiers (continued)

GXD Series ▶



GX Series ▶



Loudspeakers

Two-Way Passive Loudspeaker - E215 ▶



Passive Subwoofer - E218sw ▶



E Series Passive Loudspeakers ▶



CP Series Compact Powered Loudspeakers ▶



Loudspeakers (continued)



◀ K.2 Series Powered Loudspeakers



◀ KS Series Cardioid Subwoofer KS212C



◀ KS Series Compact Subwoofer KS112



◀ KW Series Powered Loudspeakers



◀ KLA Series Powered Loudspeakers



◀ WideLine Series





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1509-2018

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