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QSC’s E Series entertainment systems are designed for sound reinforcement in live performance, dance music and karaoke applications. A total system consists of high-performance, cost-effective loudspeakers as well as power amplifiers and digital mixers with optimized signal processing presets for the loudspeakers. While E Series loudspeakers deliver excellent performance with any high-quality professional power amplifier, the real magic happens when they are paired with the finely tuned digital signal processing (DSP) found in QSC’s PLD and GXD series amplifier and in TouchMix™ digital mixers. The settings QSC has developed for these three platforms allow for performance that rivals today’s powered loudspeakers. These settings support a variety of applications including live sound reinforcement (with and without subwoofers), stage monitoring, dance music and karaoke.

This is the E Series entertainment system.
E110
The E110 is a compact 8 Ω two-way loudspeaker with a 10-inch, die cast frame woofer with a 2.5-inch voice coil housed in a multi-purpose enclosure that's at home in stage monitor or main PA deployment. It incorporates QSC's Directivity Matched Transition™ (DMT) design with a wide 85° coverage. When used as a stage monitor, the E110 angles up at a 55° angle, allowing it to be placed near the performer when used on a crowded stage.

- High output, professional quality sound with 300-watt continuous power rating
- E Series Entertainment System — Advanced digital signal processing tunings and options using QSC GXD or PLD Series amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- Suitable as both a main PA and a stage monitor
- U-style yoke and M8 rigging kit available for permanent installation
- Dual-angle pole socket

Horizontal for monitor wedge use or vertical for mains
The E112 is a trapezoidal 8Ω two-way loudspeaker using a 12-inch die cast aluminum woofer with a 3-inch voice coil. The 15 mm, 11-ply enclosure provides enough volume to deliver solid low-frequency extension down to 65 Hz, making it an excellent choice for applications in which space or budget preclude the use of a subwoofer. The DMT coverage angle of 85° is ideal for most medium and medium-long throw applications.

- High output, professional quality sound with a 400-watt continuous power rating
- E Series Entertainment System — Advanced digital signal processing tunings and options using QSC GXD or PLD Series amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- U-style yoke and M10 rigging kit available for permanent installation
- Dual-angle pole socket
- Durable metal handles

The E115 is a trapezoidal 8Ω two-way loudspeaker using a 15-inch, 500-watt, die cast aluminum frame woofer with a 3.5-inch voice coil. It is intended for use when high power and authoritative low end are needed from a full-range loudspeaker. A 2.8” compression driver attached to the 75° DMT waveguide assures that even distant listeners will be well covered.

- High output, professional quality sound with 400-watt continuous power rating
- E Series Entertainment System — Advanced digital signal processing tunings and options using QSC GXD or PLD Series amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- U-style yoke and M10 rigging kit available for permanent installation
- Dual-angle pole socket
- Durable metal handles

The E215 is a trapezoidal 4Ω high-performance two-way loudspeaker system featuring dual 15-inch 500-watt die-cast aluminum frame woofers, each with a 3.5-inch voice coil. It uses a frequency-shading topology across both woofers to maximize low-frequency output while minimizing interference with the HF driver through the crossover transition. Use it when you need high power and extended low end from a single full-range loudspeaker. A 2.8” compression driver attached to the 75° DMT waveguide assures that even distant listeners will be well covered.

- High output, professional quality sound with 1000-watt continuous power rating
- E Series Entertainment System—Advanced digital signal processing tunings and options using QSC GXD or PLD amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- Dual parallel NL4 connectors
- M10 rigging kit available for permanent installation
- Durable metal handles
**E118sw**

The E118sw is a 4Ω high-performance direct radiating subwoofer with a single 800-watt 18-inch aluminum frame woofer. It's designed to produce crushing low end for live performance with kick drum and bass in the PA or for high-level, high-energy dance music. A threaded M20 pole socket is provided for sub/satellite use with any of the E Series two-way models. For portable applications, it includes attachment points for four optional casters. The subwoofer's 4-ohm impedance means that a single subwoofer may be optimally powered by a less expensive amplifier.

- High output, professional quality sound with 800-watt continuous power rating
- E Series Entertainment System—Advanced digital signal processing tunings and options using QSC GXD or PLD amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- Dual parallel NL4 connectors
- Durable metal handles
- Includes threaded speaker pole

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**E218sw**

The E218sw is a 4Ω high-performance direct radiating dual subwoofer with a two 800-watt 18-inch aluminum frame woofers. It's designed to produce crushing low end for live performance with kick drum and bass in the PA or for high-level, 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 subwoofer may be optimally powered by a wide selection of amplifiers.

- High output, professional quality sound with 1600-watt continuous power rating
- E Series Entertainment System—Advanced digital signal processing tunings and options using QSC GXD or PLD amplifiers or TouchMix™ digital mixers
- Rugged tour-grade textured paint
- Foam-lined perforated steel grille
- Dual parallel NL4 connectors
- Durable metal handles
COMPLEMENTARY PRODUCTS
AMPLIFIERS/MIXERS

**GXD Series Amplifiers**
The GXD Series features two 2-channel models with built-in E Series processing settings available. Older GXD amplifiers can be made current by updating their firmware through the USB port on the rear panel. The GXD Series amplifiers are ideal for applications that use only a stereo pair of loudspeakers, with no subwoofers.

**PLD Series Amplifiers**
With a range of 4-channel models, the PLD Series are the go-to amplifiers for systems that include subwoofers or multiple channels of loudspeakers and stage monitors.

**TouchMix™ Compact Digital Mixers**
Processing presets for optimizing E Series performance are also available in QSC TouchMix™ digital mixers. Even older TouchMix™ mixers can be made current by updating their firmware.
Choosing an Amplifier

At QSC, choosing an amplifier capable of delivering 2x the loudspeaker’s continuous power rating is generally recommended. However, for applications in which the system is used at more moderate levels, an amplifier with less power can be perfectly acceptable. And for systems where lots of dynamic headroom is desired an amplifier with more power may be used but caution must be taken not to overpower the drivers.

<table>
<thead>
<tr>
<th>Amplifier</th>
<th>8Ω Power</th>
<th>4Ω Power</th>
<th>E110 300 W / 8Ω</th>
<th>E112 400 W / 8Ω</th>
<th>E115 500 W / 8Ω</th>
<th>E215 1000 W / 4Ω</th>
<th>E118sw 800 W / 8Ω</th>
<th>E218sw 1600 W / 4Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>GXD4</td>
<td>400 W</td>
<td>800 W</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>GXD8</td>
<td>800 W</td>
<td>1200 W</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>*</td>
<td>**</td>
<td>*</td>
</tr>
<tr>
<td>PLD4.2 (4 channels)</td>
<td>500 W</td>
<td>700 W</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PLD4.3 (4 channels)</td>
<td>900 W</td>
<td>1400 W</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>*</td>
<td>**</td>
<td>*</td>
</tr>
<tr>
<td>PLD4.5 (4 channels)</td>
<td>1200 W</td>
<td>2000 W</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

* An adequate, economical choice for moderate level uses.
** Good balance of cost and performance.
*** Best for wide dynamic range and high levels, but may be slightly more power than needed.
— Not recommended.
Dual-Angle Pole Socket
A loudspeaker on a stand is a common application for portable and temporary sound systems. All too often though, the loudspeaker axis points over the heads of the audience and puts acoustic energy on the back wall — something that can compromise sound quality. To solve this problem, the E110, E112, and E115 have dual pole sockets that allow the loudspeaker cabinet to sit upright on a stand or tilt downward at a 10-degree angle to better cover an audience.

Threaded Pole
The 24-inch (610 mm) 35 mm diameter pole provided with the E118sw subwoofer threads into the M20 insert on the top of the subwoofer. The pole can support a single E110, E112, or E115 loudspeaker in either the straight or tilt-down position.
**M8 and M10 Eyebolt Kits**

The E110 loudspeaker has M8 threaded attachment points for suspending or flying, while the E112, E115, and E215 models have M10 points.

QSC offers two eyebolt kits:

- **M8 Kit-A** — Six M8 × 1.50 × 35–38 mm forged steel shoulder eyebolts
- **M10 Kit-W** — Three M10 × 1.50 × 35–38 mm forged steel shoulder eyebolts with washers

Shackles, cables, etc. are not included. Consult a licensed rigger or structural engineer for designing flown loudspeaker systems.
**Yoke Mount**

QSC offers a yoke mount for the E110, E112, and E115 which enables the loudspeaker to be attached to a ceiling, wall or other structural surface.

The model numbers are:
- E110 Yoke
- E112 Yoke
- E115 Yoke

**Subwoofer Caster Kit**

For easier transport of the E118sw or E218sw subwoofer, a kit of four 4-inch casters is available; ask for Caster Kit-L. The casters mount to the t-nuts that are factory installed on the rear of the subwoofer.

**Accessory Covers**

Custom-fit padded covers protect your investment and keep your E Series loudspeakers looking new.

The model numbers are:
- E110 Cover
- E112 Cover
- E115 Cover
- E118 Cover

Please note that the E118 Cover is designed for use with E118sw subwoofers that have the optional Caster Kit-L installed.
Small System for Live Performance
This small two-loudspeaker system is suitable for supporting a solo performer or a duo, or even a combo that is small enough to not require monitors, in a small club, coffeehouse, or similar-sized venue. It consists of two E110 loudspeakers on stands with power provided by a QSC GXD4 amplifier. A QSC TouchMix-8 digital mixer handles mixing and effects processing. Selecting the E110 loudspeaker profiles in the GXD4 amplifier provides optimal voicing and protection for the loudspeakers.

NOTE: In a system that uses both a TouchMix™ and a GXD or PLD Series amplifier, use only the loudspeaker tunings in the amplifier. In small venues the E110’s ability to tilt downward lets the audience – not the far wall – be the sweet spot.
**Live System for Full Band**
This system employs two E118sw subwoofers with two E112 loudspeakers on top to be the mains. Four E110 boxes serve as wedge monitors. The monitors and the mains are powered by QSC PLD4.3 power amps. One of the amps handles the four individual monitor mixes, and the other drives the two subwoofers on paralleled channels A and B and the left and right main program on channels C and D, respectively.

**Amplifiers**

[1] **PLD4.3** (Preset F13)
**Speaker Profiles by Channel:**
- AB: E118sw
- C: E112
- D: E112

[2] **PLD4.3** (Preset F10)
**Speaker Profiles by Channel:**
- A: E110 (to Monitor)
- B: E110 (to Monitor)
- C: E110 (to Monitor)
- D: E110 (to Monitor)
Dance Club Rig
The system covers the dance floor with two flown E115 loudspeakers and two E18sw subwoofers on the floor. A PLD4.5 amplifier using the F13 preset and the E115 and E118sw profiles selected power the system. The DJ's mixer and mic feed a QSC TouchMix-8 digital mixer which provides the Main Right and Main Left signals to the power amplifier.

Amplifiers
PLD4.5 (Preset F13)
Speaker Profiles
by Channel:
AB  E118sw
C   E115
D   E115

E112 × 2
E118sw × 2
Medium-Sized Live Performance System
Small band/combo gigs are a snap with two E112 boxes on stands and two E110s used as wedges. They’re powered by a GXD8 amplifier on the mains and a GXD4 on the monitors, with the respective E112 and E110 profiles dialed in.

Amplifiers
[1] GXD8
Speaker Profiles
by Channel:
A  E112
B  E112

[2] GXD4 (Preset F10)
Speaker Profiles
by Channel:
A  E110 (to Monitor)
B  E110 (to Monitor)
CONNECTION DIAGRAMS

E110, E112, E115, AND E215 INPUT PANEL

E110, E112, E115, E215 CONNECTION DIAGRAMS

E215 only

LF

DEEP LPF

HPF

1+
1-
2+
2-

NL4

1+
1-
2+
2-

NL4

Barrier Strip

LF

LF

E215 only

E118SW AND E218SW INPUT PANEL

E118sw only

LF

LF

Barrier Strip

E218sw only
Two Boxes with a 2-Channel Amplifier

Top and Sub on a 2-Channel Amplifier
Top and Sub on a 2-Channel Amplifier, Using a 4-Conductor Cable

Stereo Tops and Subs on two 2-Channel Amplifiers
Stereo Tops and Subs on a 4-Channel Amplifier

Wiring Option 1: Two 2-conductor cables

Wiring Option 2: 4-conductor cable
Stereo E215 Tops and E218sw Subs on two PLD Series Amplifiers

Channel AB
Channel AB to Left
Satellite Profile: E215

Channel CD
Channel CD to Right Satellite Profile: E215

Channel AB to Left Subwoofer Profile: E218sw

Channel CD to Right Subwoofer Profile: E218sw

All cables
NL4 Amplifier
1+ 1− 2+ 2−

All cables
NL4 Loudspeaker
1+ 1− 2+ 2−

PLD4.3
Preset F4

PLD4.5
Preset F4

E215

E218sw

E215

E218sw

E215

E218sw
### Series Specifications

<table>
<thead>
<tr>
<th></th>
<th>E110</th>
<th>E112</th>
<th>E115</th>
<th>E215</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency response</strong> (+0 / -6 dB)</td>
<td>68 Hz–20 kHz</td>
<td>64 Hz–20 kHz</td>
<td>55 Hz–20 kHz</td>
<td>49 Hz–20 kHz</td>
</tr>
<tr>
<td><strong>Frequency response with QSC Intrinsic Correction™ (+0 / -6 dB)</strong></td>
<td>60 Hz–20 kHz</td>
<td>52 Hz–20 kHz</td>
<td>47 Hz–20 kHz</td>
<td>42 Hz–20 kHz</td>
</tr>
<tr>
<td><strong>Low frequency response (-10 dB)</strong></td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>43 Hz</td>
<td>39 Hz</td>
</tr>
<tr>
<td><strong>Low frequency response with QSC Intrinsic Correction™ (-10 dB)</strong></td>
<td>54 Hz</td>
<td>46 Hz</td>
<td>42 Hz</td>
<td>39 Hz</td>
</tr>
<tr>
<td><strong>Rated noise power / voltage</strong></td>
<td>300 W / 49 V rms</td>
<td>400 W / 57 V rms</td>
<td>500 W / 63 V rms</td>
<td>1000 W / 63 V rms</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>8Ω</td>
<td>8Ω</td>
<td>8Ω</td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Crossover</strong></td>
<td>Passive 1.8 kHz</td>
<td>Passive 1.8 kHz</td>
<td>Passive 1.55 kHz</td>
<td>Passive 1.8 kHz</td>
</tr>
<tr>
<td><strong>Sensitivity @ 1 m</strong></td>
<td>95 dB (2.83 V rms)</td>
<td>96 dB (2.83 V rms)</td>
<td>97 dB (2.83 V rms)</td>
<td>98 dB (2 V rms)</td>
</tr>
<tr>
<td><strong>Coverage</strong></td>
<td>85° conical, DMT</td>
<td>85° conical, DMT</td>
<td>75° conical, DMT</td>
<td>75° conical</td>
</tr>
<tr>
<td><strong>Peak SPL @ 1 m</strong></td>
<td>126 dB</td>
<td>128 dB</td>
<td>130 dB</td>
<td>134 dB</td>
</tr>
<tr>
<td><strong>LF driver</strong></td>
<td>254 mm (10 in) with 65 mm (2.5 in) voice coil</td>
<td>305 mm (12 in) with 76 mm (3 in) voice coil</td>
<td>381 mm (15 in) with 89 mm (3.5 in) voice coil</td>
<td>Two 381 mm (15 in) with 89 mm (3.5 in) voice coil</td>
</tr>
<tr>
<td><strong>HF driver</strong></td>
<td>Compression driver with 1 in exit, 45 mm (1.75 in) voice coil</td>
<td>Compression driver with 1 in exit, 45 mm (1.75 in) voice coil</td>
<td>Compression driver with 1.5 in exit, 71 mm (2.8 in) voice coil</td>
<td>Compression driver with 1.5 in exit, 71 mm (2.8 in) voice coil</td>
</tr>
<tr>
<td><strong>Input connectors</strong></td>
<td>Barrier strip, two NL4</td>
<td>Barrier strip, two NL4</td>
<td>Barrier strip, two NL4</td>
<td>Barrier strip, two NL4</td>
</tr>
<tr>
<td><strong>Net weight</strong></td>
<td>44 lb / 20 kg</td>
<td>51 lb / 23 kg</td>
<td>68 lb / 31 kg</td>
<td>108 lb / 49.1 kg</td>
</tr>
<tr>
<td><strong>Shipping weight</strong></td>
<td>50 lb / 23 kg</td>
<td>57.5 lb / 26 kg</td>
<td>75 lb / 34 kg</td>
<td>115 lb / 52.2 kg</td>
</tr>
<tr>
<td><strong>Dimensions (W × H × D)</strong></td>
<td>13 × 22 × 13 in</td>
<td>14.2 × 24.2 × 14.6 in</td>
<td>16.5 × 28.2 × 17.5 in</td>
<td>16.5 × 44.3 × 18.3 in</td>
</tr>
</tbody>
</table>

### E118sw

<table>
<thead>
<tr>
<th></th>
<th>E218sw</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency response</strong> (+0 / -6 dB)</td>
<td>37–230 Hz</td>
</tr>
<tr>
<td><strong>Frequency response with QSC Intrinsic Correction™ (+0 / -6 dB)</strong></td>
<td>38–130 Hz</td>
</tr>
<tr>
<td><strong>Low frequency response (-10 dB)</strong></td>
<td>32 Hz</td>
</tr>
<tr>
<td><strong>Rated noise power / voltage</strong></td>
<td>800 W / 57 V rms</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Crossover</strong></td>
<td>Recommend 80–120 Hz low-pass</td>
</tr>
<tr>
<td><strong>Sensitivity @ 1 m</strong></td>
<td>98 dB (2 V rms)</td>
</tr>
<tr>
<td><strong>Peak SPL @ 1 m</strong></td>
<td>133 dB</td>
</tr>
<tr>
<td><strong>LF driver</strong></td>
<td>457 mm (18 in) with 102 mm (4 in) voice coil</td>
</tr>
<tr>
<td><strong>Input connectors</strong></td>
<td>Barrier strip, two NL4</td>
</tr>
<tr>
<td><strong>Enclosure</strong></td>
<td>Rectangular plywood with black texture paint finish. Four side mount handles. Rear panel attachment points for optional 4-inch casters. Perforated powder coated steel grille with foam lining.</td>
</tr>
<tr>
<td><strong>Mounting/suspension</strong></td>
<td>M20 threaded pole mount socket</td>
</tr>
<tr>
<td><strong>Net weight</strong></td>
<td>95 lb / 43 kg</td>
</tr>
<tr>
<td><strong>Shipping weight</strong></td>
<td>106 lb / 48 kg</td>
</tr>
<tr>
<td><strong>Dimensions (W × H × D)</strong></td>
<td>23.2 × 24.2 × 23.8 in</td>
</tr>
<tr>
<td></td>
<td>590 × 616 × 605 mm</td>
</tr>
</tbody>
</table>