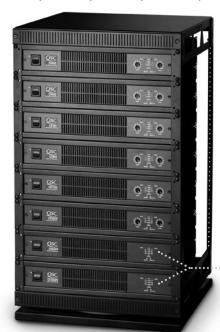


CX 2-channel Professional Power Amplifiers

CX302 | CX502 | CX702 | CX902 | CX1102 | CX302V | CX602V | CX1202V



All models include an integrated security cover for tamper-proof installations

The CX Series is designed to meet the specialized needs of sound contractors. Eight 2-channel models have been designed from the ground up, combining QSC's exclusive PowerLight[®] technology with specific features to meet the requirements of fixed installations.

With high output power, versatile loading options, high thermal capacity and unmatched reliability, the CX Series is the perfect solution to any permanently installed sound system.

CX 2-channel Amplifiers

| Model | Watts per channel | | | | | | | |
|---------|-------------------|------|------|---------------------|--|--|--|--|
| | 70V* | 8Ω** | 4Ω** | $2\Omega^{\dagger}$ | | | | |
| CX302 | - | 200 | 325 | 600 | | | | |
| CX502 | - | 300 | 500 | 800 | | | | |
| CX702 | - | 425 | 700 | 1200 | | | | |
| CX902 | - | 550 | 900 | 1500 | | | | |
| CX1102 | _ | 700 | 1100 | 1700 | | | | |
| CX302V | 250 | _ | _ | - | | | | |
| CX602V | 440 | 550 | - | _ | | | | |
| CX1202V | 1000 | 700 | 1100 | - | | | | |

*1 kHz, 0.05% THD

**20 Hz – 20 kHz, 0.05% THD †1 kHz, 1% THD

PowerLight is a registered trademark of QSC Audio Products, Inc.

Features

- 8 models to meet your exact power requirements (five low impedance models, three 70 volt direct models)
- Exclusive PowerLight switch-mode power supply technology for high performance and compact size
- · Custom integrated security cover for tamper proof installations
- Variable speed fan for low noise
- 1 dB detented gain controls for fast and accurate gain settings
- Active inrush limiting eliminates AC inrush current, removing the need for expensive power sequencers
- · XLR and detachable Euro style input connectors
- HD15 DataPort connector for QSControl computer control or signal processing accessories
- · Dip switch control for clip limiters, high pass filters, bridge-mono and parallel operation
- Selectable high pass filters protect speakers and prevent speaker transformer saturation with minimal effect on program material (33 Hz or 75 Hz on non-V models, 50 Hz or 75 Hz on V models)
- Comprehensive front panel indicators including signal, clip, protect and QSC's exclusive bridge mono and parallel input LEDs
- · Barrier strip output connector
- Comprehensive protection circuitry including DC, infrasonic, thermal overload and short circuit protection
- Class H complementary bipolar output circuitry for high efficiency (CX702, CX902, CX1102 & CX1202V)
- Optional external transformer accessory pack for isolated 70 and 100 volt outputs (converts CX302 to 400 watts per channel isolated output)
- Compact size all models only 2 RU and 14" deep for reduced rack cost and floor space
- Lightweight all models only 21 pounds (9.5 kg) for easier racking and shipping
- 3-year warranty plus optional 3-year extended service contract

CX 2-Channel

| | | CX302 | CX502 | CX702 | CX902 | CX1102 | CX302V | CX602V | CX1202V | |
|--|---|--|---|--|---|---|---|---|-----------------------|--|
| Stereo Mode (both channels driven) | | | | Continuous average output power per channel | | | | | | |
| 8Ω / 20 Hz - 20 kHz / 0.05% THD | | 200 W | 300 W | 425 W | 550 W | 700 W | - | 550 W | 700 W | |
| 4Ω / 20 Hz - 20 kHz / 0.05% THD | | 325 W | 500 W | 700 W | 900 W | 1100 W | - | - | 1100 W | |
| 2Ω / 1 kHZ / 1% THD | | 600 W | 800 W | 1200 W | 1500 W | 1700 W | - | - | - | |
| 70V / 20 Hz - 20 kHz / 0.05% THD | | - | - | _ | - | - | 200 W | 400 W | 800 W | |
| 70V / 1 kHz / 0.05% THD | | _ | - | _ | - | - | 250 W | 440 W | 1000 W | |
| 70V / 1 kHz / 1% THD | | _ | - | - | _ | - | 300 W | 600 W | 1200 W | |
| Bridge Mono Mode | | | | Bridge r | nono mode opera | tion | | | | |
| 16Ω / 20 Hz - 20 kHz / 0.1% THD | | 400 W | 600 W | 850 W | 1100 W | 1400 W | - | 1100 W | 1400 W | |
| 8Ω / 20 Hz - 20 kHz / 0.1% THD | | 700 W | 1100 W | 1500 W | 2000 W | 2200 W | - | - | 2200 W | |
| 4Ω / 1 kHz / 1% THD | | 1200 W | 1600 W | 2400 W | 3000 W | 3400 W | - | - | - | |
| 140V / 20 Hz - 20 kHz / 0.10 | % THD | _ | - | _ | - | - | 400 W | 800 W | 1600 W | |
| 140V / 1 kHz / 0.05% THD | | _ | - | _ | - | - | 500 W | 880 W | 2000 W | |
| 140V / 1 kHz / 1% THD | | - | _ | - | - | - | 600 W | 1200 W | 2400 W | |
| Signal to Noise (20 Hz - 20 kHz) | | >-107 dB | >-107 dB | >-106 dB | >-106 dB | >-106 dB | >-106 dB | >-106 dB | >-106 dB | |
| Input Sensitivity at 8Ω | | 1.26 Vrms | 1.23 Vrms | 1.16 Vrms | 1.17 Vrms | 1.35 Vrms | 1.26 Vrms | 1.26 Vrms | 1.26 Vrms | |
| Gain at 8Ω | | 30 dB | 32 dB | 34 dB | 35 dB | 35 dB | 35 dB | 35 dB | 35 dB | |
| Output Circuitry | | AB+B | AB+B | Class H, 2-tier | Class H, 2-tier | Class H, 2-tier | AB+B | AB+B | Class H, 2-tie | |
| Distortion (SMPTE-IM) | | < 0.02% | | | | | | | | |
| | | < 0.02 /0 | | | | | | | | |
| Distortion (swiPTE-IM) Distortion (typical) | | < 0.02 /0 | | | | | | | | |
| | w rated power | < 0.01% THE |) | | | | | | | |
| Distortion (typical) | • | | | | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below | • | < 0.01% THE |) | | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rate | • | < 0.01% THE < 0.01% THE |) | | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 |) | ms balanced | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rate Frequency Response Damping Factor | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 |) Hz, ± 0.2 dB palanced, 12k oh | ms balanced | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 |) Hz, ± 0.2 dB palanced, 12k oh | | | | | | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB belov 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee |) Hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro | | cks (1 each per ch | annel) Output: Sa | fety shrouded b | arrier strip | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) |) Hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta | ont air flow | | | | • | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rate Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ |) hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, | ont air flow chable terminal blog | , RF protection. Sta | | | • | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin |) Hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, rg, DC-fault pow | ont air flow chable terminal bloo thermal, ultrasonic | , RF protection. Sta | able into reactive of | or mismatched I | oads | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) |) Hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, rg, DC-fault pow | ont air flow chable terminal bloo thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack | , RF protection. Sta | able into reactive of | or mismatched I | oads | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) | • | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) |) Hz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, 19, DC-fault powe 2 rack spaces x | ont air flow chable terminal bloo thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack | , RF protection. Sta | able into reactive of | or mismatched I | oads | 0.9 A | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB belov 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping | d power | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin <i>X</i> Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg |) balanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, 19, DC-fault pow 2 rack spaces x 3) / 27 lbs (12.3 | ont air flow chable terminal bloo thermal, ultrasonic er supply shutdown 19'' (48.3 cm) rack kg) | , RF protection. Sta mounting x 14" (: | able into reactive of 35.6 cm) from fro | nt mounting rail | oads s | 0.9 A | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise (typical of program material at | d power | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A |) balanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, 19, DC-fault pow 2 rack spaces x 3) / 27 lbs (12.3 0.9 A | ont air flow chable terminal bloo thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack kg) 0.9 A | , RF protection. Sta mounting x 14" (: 0.9 A | able into reactive of 35.6 cm) from fro | nt mounting rail | oads s 0.9 A | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise | d power | < 0.01% THE < 0.01% THE 20 Hz - 20 kf > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A 3.8 A |) hz, ± 0.2 dB palanced, 12k oh 2 dBu) 2 dBu) 2 dfan, rear-to-fro (LR & 3-pin deta cuit, open circuit, 10, 02 rack spaces x 30, 27 lbs (12.3 0.9 A 5.6 A | ont air flow chable terminal bloc thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack kg) 0.9 A 5.0 A | RF protection. Sta mounting x 14" (3 0.9 A 6.0 A | able into reactive of 35.6 cm) from fro 0.9 A 7.6 A | nt mounting rail | oads s 0.9 A | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise (typical of program material at | d power | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A 3.8 A 6.0 A |) hz, ± 0.2 dB balanced, 12k oh 2 dBu) d fan, rear-to-frc (LR & 3-pin deta cuit, open circuit, 10, DC-fault powe 2 rack spaces x 3) / 27 lbs (12.3 0.9 A 5.6 A 9.0 A | ont air flow chable terminal blow thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack kg) 0.9 A 5.0 A 7.9 A | RF protection. Sta mounting x 14" (3 0.9 A 6.0 A 9.5 A | 25.6 cm) from fro 0.9 A 7.6 A 11.6 A | nt mounting rail | 0.9 A - | - | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise (typical of program material at maximum unclipped power) 1/3 power pink noise | d power d power ldle 8Ω 4Ω 2Ω | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin A Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A 3.8 A 6.0 A 9.6 A | D dz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, g, DC-fault poww) 2 rack spaces x g) / 27 lbs (12.3 0.9 A 5.6 A 9.0 A 14.0 A | ont air flow chable terminal bloo thermal, ultrasonic, er supply shutdown 19" (48.3 cm) rack kg) 0.9 A 5.0 A 7.9 A 11.8 A | RF protection. Sta mounting x 14" (3 0.9 A 6.0 A 9.5 A 14.0 A | 0.9 A 7.6 A 11.6 A 16.6 A | nt mounting rail | oads s 0.9 A - - - | | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB belov 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise (typical of program material 1/3 power pink noise (typical of program material | d power d power Idle 8Ω 4Ω 2Ω 70V | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin) Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A 3.8 A 6.0 A 9.6 A – | D dz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-fro KLR & 3-pin deta cuit, open circuit, ig, DC-fault pow) 2 rack spaces x g) / 27 lbs (12.3 0.9 A 5.6 A 9.0 A 14.0 A – | ont air flow chable terminal bloo thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack kg) 0.9 A 5.0 A 7.9 A 11.8 A – | RF protection. Sta mounting x 14" (3 0.9 A 6.0 A 9.5 A 14.0 A – | able into reactive of 35.6 cm) from fro 0.9 A 7.6 A 11.6 A 16.6 A – | 0.8 A - - 5.7 A | oads s 0.9 A - - - - 8.7 A | – – – 12.0 A | |
| Distortion (typical) 20 Hz - 20 kHz: 10 dB below 1.0 kHz and below: full rated Frequency Response Damping Factor Input Impedance Input Clipping Cooling Connectors Amplifier Protection Load Protection Dimensions (HWD) Weight - Net / Shipping 120V Current Consumption 1/8 power pink noise (typical of program material at maximum unclipped power) 1/3 power pink noise | d power d power ldle 8Ω 4Ω 2Ω 70V 8Ω | < 0.01% THE < 0.01% THE 20 Hz - 20 kł > 500 6k ohms unb 10 Vrms (+22 Variable-spee Input: 3-pin A Full short circ On/off mutin 3.5" (8.9 cm) 21 lbs (9.5 kg 0.8 A 3.8 A 6.0 A 9.6 A – 5.4 A | D dz, ± 0.2 dB palanced, 12k oh 2 dBu) ed fan, rear-to-froc KLR & 3-pin deta cuit, open circuit, ug, DC-fault powe) 2 rack spaces x (3) / 27 lbs (12.3) 0.9 A 5.6 A 9.0 A 14.0 A - 8.0 A | ont air flow chable terminal bloc thermal, ultrasonic er supply shutdown 19" (48.3 cm) rack kg) 0.9 A 5.0 A 5.0 A 7.9 A 11.8 A – 8.4 A | RF protection. Sta mounting x 14" (3 0.9 A 6.0 A 9.5 A 14.0 A – 11.0 A | 35.6 cm) from fro 0.9 A 7.6 A 11.6 A 16.6 A - 13.1 A | nt mounting rail 0.8 A - - 5.7 A - | 0.9 A - - - 8.7 A - | - - 12.0 A - | |



Specifications subject to change without notice.

