

# SBC800

Powered Sub-Bass/LFE Controller

## X12, X15 & QSB118

Reference Subwoofer/LFE Monitors



QUESTED



Improves the low frequency response of any music or film reference monitoring system, Quested or not, stereo or surround.

Adjustable - essential control of gain and phase on LCR and LFE sections independently.

Flexible and convenient - every useful control is placed on the front panel for easy set-up and fast switching whilst working.

2 bands of equalisation to optimise performance in any environment.

800 watts of Remote Power - Is it a good idea to squeeze an amplifier into a Subwoofer cabinet and shake it 40 or 50 times a second? Quested don't think so.

Pure true analogue - zero latency!

### Left-Centre-Right Channels

Adjustable crossover section - 30 to 90 Hz.

Independent 0-180 degrees phase adjustment.

Full gain control.

These controls allow perfect integration with other

manufacturers' main systems.

Individual LCR inputs on XLR.

Single LCR Bypass switches the outputs to full-range to A/B material without the Sub.

### Low Frequency Effects Channel

Individual input on XLR.

50-150 Hz Low Pass Filter.

Independent 0-180 degrees phase adjustment.

LFE Bypass switches the outputs to full range, for when the LFE signal has already been tailored by an external processor.

Polarity reverse.

2 bands of parametric equalisation to adjust LF response to suit any room.

+10dB Boost switch so mixes conform to Dolby specification when required. Boosts the LFE output, so final 5.1 masters have the required LFE headroom.

Sub Solo to monitor and check the subwoofer performance.

System Bypass Link - a 3.5mm socket on the rear panel so multiple units can respond to a single front-panel Bypass command.

800 watts into 4 ohms, with clear output level monitoring from a 6-LED display.

Two pairs of normalised binding post/banana connectors allowing the convenient use of two subwoofers when required.

Easy to partner with one, two or even three X15 Subwoofers: 20-200Hz, linear drive 15" transducer with 4" voice coil for speed and clarity, housed in a rock-solid cabinet constructed from 30mm plywood.



X15 Subwoofer



X12 Subwoofer



### Quested Monitoring Systems

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# QUESTED SBC800-Tech Spec

## Connections

**LCR & LFE:**  
 Connectors: 4 XLR and 1/4" Combi sockets  
 Impedance: 10K Ohms electronically balanced  
 Connections: Pin 1 (Sleeve) ground, Pin 2 (Tip) hot, Pin 3 (Ring) cold

**LCR Output:**  
 Connectors: 3 XLR sockets  
 Impedance: <100 Ohms electronically balanced  
 Connections: Pin 1 (Sleeve) ground, Pin 2 (Tip) hot, Pin 3 (Ring) cold

**Power Amplifier:**  
 Outputs: 2 pairs of +/- binding posts/4mm banana sockets  
 System Bypass Link: 3.5mm socket on rear panel allows linking of bypass facility on multiple units and remote switching  
 Power Input: Fused IEC connector, with in-built spare fuse

## Fixed Internal Filters

Sub-Sonic/High Pass: -3dB at 7Hz, 24dB/Oct  
 Ultrasonic: -3dB at 100kHz

## Front Panel Controls

**LCR:**  
 Phase: 0 - 180 degrees  
 Frequency: Adjustable crossover frequency 30 - 90 Hz  
 Bypass - Sub Off: Switches LCR inputs directly to LCR outputs, bypassing the Sub amplifier section (Sub switched off)  
 Mix Level: -16 to +6 dB relative to LCR input

**LFE Channel:**  
 Gain: -16 to +6 dB relative to LCR input  
 +10dB Boost: Switched 10dB boost for LFE input  
 Frequency: Low pass filtering, adjustable from 50 - 150 Hz  
 Phase: 0 - 180 degrees  
 Bypass: Switched bypass for LFE section

**Parametric Equalizer Section:**  
 PEG 1 & 2: Frequency: 20 - 90 Hz  
 Width: Q 0.5/3.0  
 Gain: -6 to +6 dB

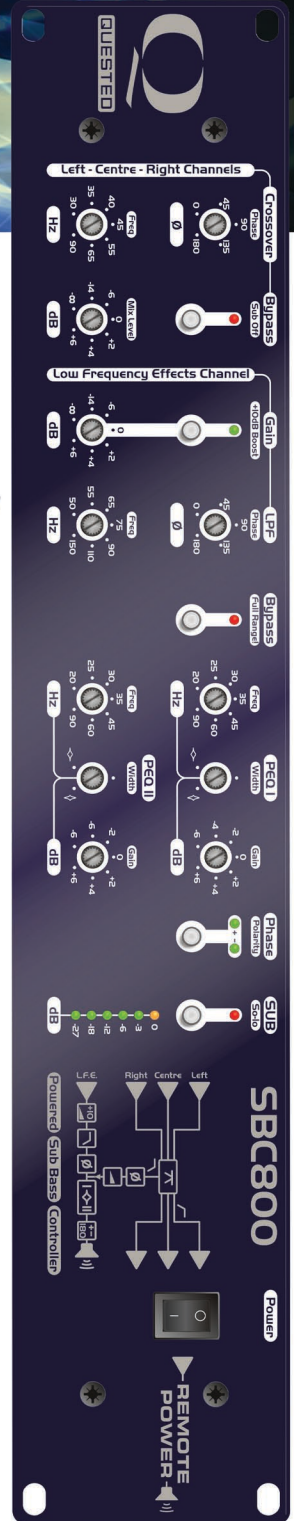
**Phase/Polarity:** 180 degree phase reversal  
**Sub Solo:** Mutes all outputs except subwoofer(s)

## Amplifier

**Mono Output:** 800W/4 ohms, 400W/8 ohms  
**Hum/Noise:** <-105dB referred to clip level  
**THD:** <0.03% at levels up to 1dB below clip  
**Power requirements:** Voltage set by internal jumpers, 115V or 230V AC @ 50-60Hz  
**Operation:** 230V: Min 160V, Max 255V - 115V: Min 80V, Max 127V  
 Consumption: 45W quiescent current

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# QUESTED X12-X15-QSB118

Reference Subwoofer LFE Monitors



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X15

The extraordinary Quested X12 and X15 Subwoofers have been designed hand-in-hand with our SBC800 powerhouse amplifier.

Custom 12" and 15" drive units, both with peak power handling of 2,000W, 4" voice coils and 3,5kg magnet assemblies, deliver ground-shaking impact with incredible precision and accuracy all the way down to 20Hz.

The cage-style cabinets are super-rigid - the X12 using 25mm MDF, and the X15 30mm plywood - to handle the incredible impulse energy of these superlative drive units. The intelligent cabinet design minimises the size of the X12 and X15 to help discrete placement in all environments where the finest possible bass performance is required.



X12

- X12** Frequency Response - 20 to 200 Hz  
Nominal Impedance - 8 ohms  
SPL - 91dB (1W, 1M)  
Voice Coil Diameter - 100mm (4")  
Magnet - Ferrite, weight 3.5kg  
Measurements - 450mm W x 415mm D x 500mm H (add 15mm for feet if required)  
Included - Spike feet, cone feet.  
Weight - 35kg
- X15** Frequency Response - 20 to 200 Hz  
Nominal Impedance - 8 ohms  
SPL - 93dB (1W, 1M)  
Voice Coil Diameter - 100mm (4")  
Magnet - Ferrite, weight 3.5kg  
Measurements - 600mm W x 365mm D x 615mm H (add 15mm for feet if required)  
Included - Spike feet, cone feet.  
Weight - 55kg
- QSB118** Frequency Response - 20 to 200 Hz  
Nominal Impedance - 8 ohms  
SPL - 96dB (1W, 1M)  
Voice Coil Diameter - 100mm (4")  
Magnet - Ferrite, weight 11kg  
Measurements - 590mm W x 618mm D x 785mm H  
Weight - 70kg



QSB118

Not to scale of course, but if this is not up to the job, just ask us for something bigger.



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