

---

*The real mix experience.*

A mostly passive monitor controlling unit. A true powerful, versatile and indispensable tool for everyday's use in the modern studio. Check instantly the levels and phase correlation of the stereo channels in your mix, without affecting the sound, thanks to the passive true balanced circuitry. Check if your mix is 'mono' compatible, and free from phase errors. Hand-built unit using the most appropriate components to achieve *that* true faithful sound.

The signal path from input through output is entirely balanced and mostly passive, for the mono summing an active circuitry was used, with a minimum amplifier topology. Uncompromising circuit design with meticulous selection and hand-matching of critical components assures consistently transparent audio performance at all dynamic excursions and frequency extensions.

The L.E.D. VU meter and stereo phase correlation meter ensure the most versatile and useful control over your programme material.

---

## *Stereo balanced monitor controller*



**QES**

[www.qeslabs.com](http://www.qeslabs.com)

*QES Labs*



QUALITY ENGINEERING SOLUTIONS

---

*SMC-7*

---

**Totally handmade with components  
selected under the strictest tolerances and  
tested by ears.**

Sales Representative:

## The system

Stereo monitor control unit, entirely balanced signal path, mostly passive. Active mono summing buffer to ensure faithful reproduction and control over mono-compatibility.

### Attenuation Range -∞/0dB

23-step rotary switch with selected precision resistors for superb channel-tracking capability.

### Input Selection 3 inputs

Switchable between 3 balanced inputs, with 4th input available for the Sub input, in Satellite simulation mode.

### Output Selection 2 Outs + Satellite simulation

Selects where the stereo buss is routed, between two pair of speakers (main, nearfield). The nearfields can be used as satellites controlled by the Sub in mode 3 (Near+Sub), allowing the satellite simulation in home theatre applications.

## Accurate metering

Two LED segment displays and a stereo phase correlation meters allow accurate and precise metering of the input signal. The MONO switch allows checking if the programme is mono compatible.

### Muting

Independently mutes L or R channel.

### Stereo Logic L+R, -L-R, L-R R-L

A useful combination of phase reverse to check if your programme material is free from errors.

### Input connector DB25 4 stereo Inputs

3 stereo Inputs selected by the Input Selector switch, and Subwoofer stereo Input for Satellite simulation.

### Output Connector DB 25, 2 stereo pairs + Sub

Two speakers pairs. The last pair can be used in 'Satellite simulation' mode, controlled by the Subwoofer.

## Spec Sheet

**C.M.R.R.** >-60dB  
Rejection Ratio at 10 KHz.

**Frequency response** 7Hz – 70KHz  
- 0.5 dB (active circuitry).

**Crosstalk** >100dB  
At 1KHz.

**Dynamic range** 112dB

**THD+N** <0.003%  
At +10dBu out, 0dB attenuation.

**Maximum Output Level** +27dBu  
Balanced outputs.

**Input impedance** >40K ohms  
**Output impedance (active circuit)** 50 ohms

**Power supply** 115/230 volts A.C. 50/60Hz  
(specify when ordering)

**Dimensions (WxHxD)** 483x45x265mm  
Including knobs and rear connectors w/fuse holder.  
1 unit rack-mount chassis.

**Weight** 7.05lbs/3.2Kg  
Net.

