

# Technical Data Sheet

## SCM20ASL Pro (V2): High Performance 2-way Active Loudspeaker

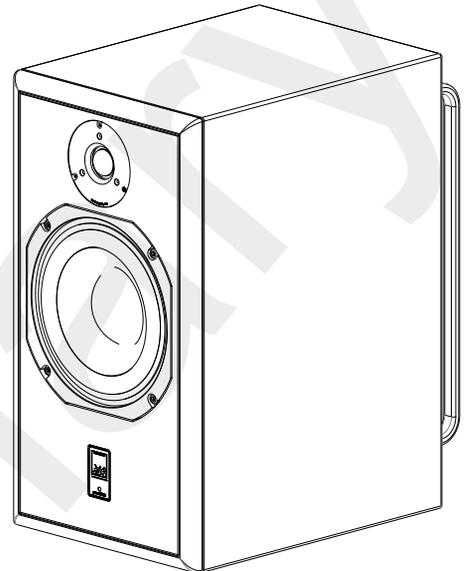
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### Key Features

- Compact very high performance 2-way studio monitor
- Ideally suited to:
  - critical near-field listening applications in all control rooms
  - LCR surround monitoring in small-to-medium control rooms
  - surround channels in medium-to-large control rooms
- Proprietary ATC 150mm/6" Super Linear Mid/Bass Driver
- Proprietary ATC 25mm/1" Super Tweeter
- Discrete Mosfet class A/B bi-amp pack with 200W/45W continuous power output



### Specifications

#### 1. Acoustic

- Drive unit - Low Frequency (LF) 6.5"/150mm Super Linear with 75mm/3" voice coil (SB75-150SL 8 Ohm)
- Drive unit - High Frequency (HF) 1"/25mm dual suspension Soft Dome (SH25-76S 6 Ohm)
- Amplitude linearity 80Hz - 20kHz (+/-2dB)
- Cut-off frequencies 55Hz - 25kHz (-6dB freestanding)
- Horizontal dispersion +/-80° coherent
- Vertical dispersion +/-10° coherent
- Maximum continuous SPL 108dB (per pair @ 1m)
- Crossover frequency 2.2kHz

#### 2. Electronic

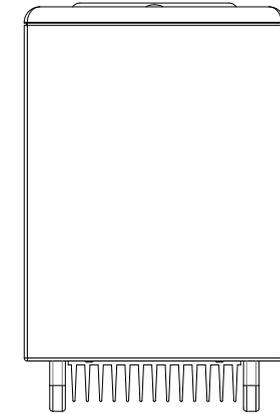
- Audio input Rear panel mounted female xlr (pin 2 +ve)
- Input sensitivity 1V/2V RMS or 2.2/8.2dBu via switch (ref. bass full output)
- Input sensitivity trim 0dB to -6dB (via rear panel pot)
- Input impedance 10kΩ per leg
- LF amp max output power 200W continuous (1% THD)
- HF amp max output power 50W continuous (1% THD)
- THD LF amp 0.0006%/-104.4dB (100Hz, 1dB below rated power)
- THD HF amp 0.0022%/-93.2dB (10kHz, 1dB below rated power)
- Crossover filters 2nd order/ 12dB/oct critically damped with phase compensation
- HF upper -3dB point 430kHz
- S+N/N ratio - LF 112dBA (Max. gain, ref. 40V, IEC 'A')
- S+N/N ratio - HF 109dBA (Max. gain, ref. 20V, IEC 'A')
- Low frequency shelf cut/boost 80Hz, -2dB to +3dB in 1dB steps (via rear panel rotary switch)
- Overload protection Active FET momentary gain reduction (inc. front panel mounted 'limit' LED)  
Amplifier thermal trip circuit
- Mains power requirements 115/230V, 50/60Hz (internally selectable by technician). 100v 50/60Hz factory set.
- Mains power consumption 55VA (idle max) 161VA (typical 1/8th power) 375VA (max)
- Thermal output 55W (idle) 140W (1/8th power)
- Accessories K&M 24120 Wall Mount (cabinet requires modification to accept 'top-hat' mount)
- Weight 23.4kg/51.6lbs (per cabinet)

## Physical Dimensions

Dimensions in mm and [inches]

### notes

1. Loudspeakers can be wall mounted using K&M 24120 wall mount. Please note, cabinet requires modification to accept 'top-hat' mount that mates with wall mount. Contact your dealer for details.
2. Acoustic axis should be level with or angled towards ear level.
3. Loudspeaker is designed for vertical orientation



Acoustic  
Axis

