



## R3-234 Pro

### 3-Channel Remote Amp for SCM25/45

#### Overview

3-channel 5U/19" rack mount amplifier to partner SCM25/45Ai and 45AiW Pro loudspeakers.

Each channel features 3-way active crossovers and three power amplifiers; Bass, Mid, High Frequency

Speaker level audio connections via Neutrik NL8 connectors.

Amplifier front panel mounted bi-colour LEDs display power on/off and limiter 'active'.

Amp-to-speaker power / limit LED connections via 5-pin XLR.

Speaker & LED cable assemblies supplied separately and built to order. Lengths must be specified.

#### Electronic specifications

*Specifications are for a single channel of the 3-channel amp.*

Balanced Input: Rear Panel Mounted Female XLR, pin 2 hot.

Input Impedance: 20k $\Omega$  (differential).

Input CMRR: >82dB (10kHz).

Input Sensitivity: 2.2dBu/1Vrms for full power.

Input Sensitivity Control: Continuously Variable from 2.2dBu-8.2dBu/1Vrms-2Vrms (-6dB).  
Internal adjustment.

Bass Boost Control: Continuously variable from 0dB to +3dB. Internal adjustment.

Crossover Filters: 4th Order Linkwitz-Riley at 380Hz and 3.5kHz.

Frequency Response: <2Hz to >200kHz (-3dB).

Amplifier type: Grounded Source MOSFET based Class A/B, convection cooled.

Output Power: Bass 150W (8 $\Omega$ ), Mid 60W (8 $\Omega$ ), HF 32W (6 $\Omega$ ).

THD+N: <0.003%/-92dB (1kHz, 1dB below rated power; 90kHz BW)

Limiter: ATC Active FET Momentary Gain Reduction, limiter 'active' indicated via LEDs  
on amp & speaker front panels.

Speaker Level Output: Rear Panel Mounted Neutrik NL8.

Power/Clip LED Output: 1x Rear Panel Mounted 5-Pin Female XLR.

Mains Input: 220-230V or 115V – Factory set. Please observe panel markings and labels!

Power Consumption: Idle 24W/35VA. 1/8th Power 117W/159VA. Full Power 255W/324VA.

Heat Output: Idle 82BTU/hr. 1/8th power 335 BTU/hr. Full Power 358BTU/hr.

#### Physical specifications

See following page.



ATC reserve the right to change specifications without prior notice  
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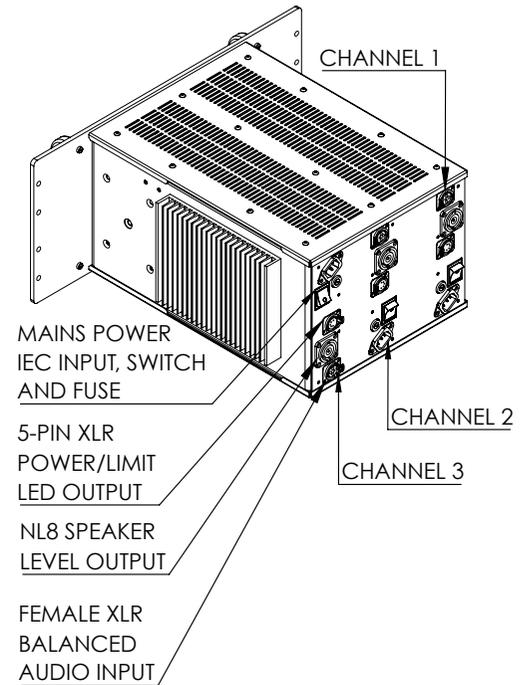
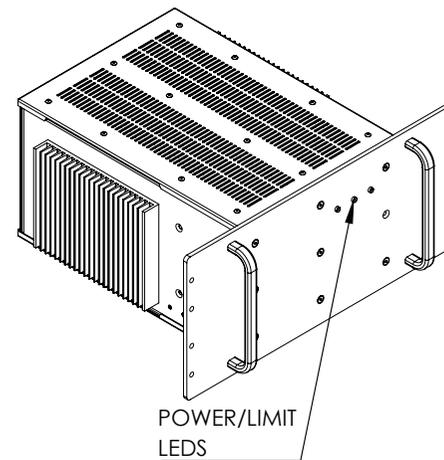
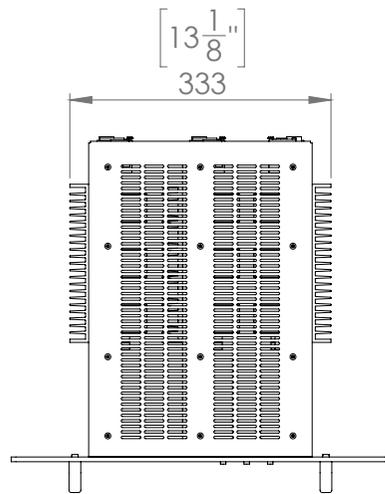
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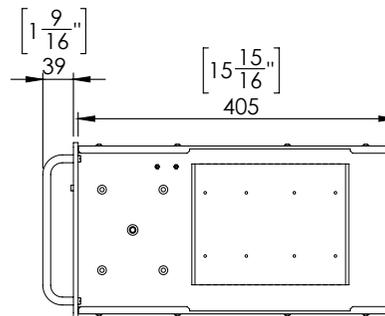
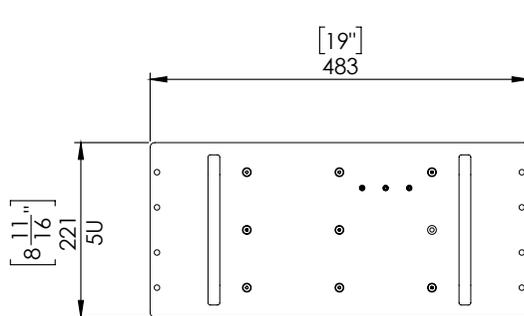
Net Weight: 23.3kg/51.3lbs.

Dimensions...

### R3-234 PRO



AMPS ARE CONVECTION COOLED.  
 INSTALL IN A COOL WELL VENTILATED SPACE.  
 LEAVE MIN. 1U CLEAR BETWEEN AMPLIFIERS AND ADJACENT EQUIPMENT.



ALLOW 185MM / 7 1/4" CLEARANCE BEHIND FOR CONNECTOR & CABLE BEND RAD.

