

SCS140iW Pro

Dual 12"/314mm In-Wall Active Subwoofer



Overview

High performance sealed box design using 2 x 12"/314mm ATC proprietary sub drivers.
 Ideal partner to the SCM200A Pro monitors and sized to match cabinet width.
 Suitable for use in stereo, surround and immersive audio applications.
 Dual rack mount 300W convention cooled discrete MOSFET class A/B amps.
 2 x balanced XLR inputs.*
 2 x balanced XLR outputs (un-filtered/processed).*
 User adjustable gain, low pass frequency, polarity and phase settings.*
 Remote sub muting via latching footswitch.**

* Per amplifier and 2 x amplifiers supplied per cabinet.

** Footswitch supplied separately latching type, 1/4"/6.35mm jack connection.

Acoustic specifications

Drive Unit – Bass: 2 x ATC SS75-314SC 8Ω.
 Low Frequency Cut-off: 22Hz.
 Low Pass Filters: 50Hz, 65Hz, 80Hz, 320Hz (-6dB, 4th order Linkwitz Riley).
 MaxSPL: 116dB continuous, 121dB peak
 (IEC Weighted Pink Noise, measured at 1m, half space, low pass filter set @ 80Hz).
 Sensitivity: 85dB_C, ref. -17dB_U (single channel of both amplifiers driven,
 Gain +6, Level 0dB, pink noise, low pass filter set at 80Hz).

Electronic specifications

Note – specifications are for a single amplifier and two amplifiers are supplied per cabinet.
 Balanced Input: 2 x Female XLR, pin 2 hot.
 Input Impedance: Approx. 20kΩ (differential).
 Input CMRR: 90dB at 200Hz.
 Input Sensitivity: 6dB_U/1.55Vrms for full power (single channel driven, Gain 0dB, Level 0dB).
 Gain Control: 0, +6dB, +10dB.
 Level Control: 0dB -11dB in 1dB steps. Total range 21dB with use of Gain switch.
 Phase Control: 0-180° ref. Input.
 Polarity Control: In-phase/Out-of-phase ref. Input.
 Low Pass Filters: 4th Order Linkwitz Riley.
 Output Impedance: Approx. 100Ω (differential).
 Amplifier type: Grounded Source MOSFET based Class A-B, convection cooled.
 Output Power: 300W in to 8Ω.
 THD+N: <0.003%/-90dB, at 100Hz, 300W into 8Ω over 90kHz bandwidth.
 Frequency Response: <2Hz (-3dB) – 320Hz (-6dB, set by panel-controlled LP filter).
 Limiter: ATC Active FET Momentary Gain Reduction, active limiter indicated on front panel.
 Electronic Amp Protection: Amplifier D.C Offset and over-temperature (both indicated on rear panel).
 Power Consumption: Idle 16W/60VA, 1/8th Power 170W/230VA, Full Power 500W / 600VA.
 Mains Input: 220-230V, 115V – Factory set. Please observe panel markings and labels.
 Heat Output: Idle 47.8 BTU/hr, 1/8th Power 458.9 BTU/hr, Full Power 682.4 BTU/hr.
 Additional: Mute via 1/4"/ 6.35mm Jack socket, controlled via latching footswitch.

See following page for physical specifications.

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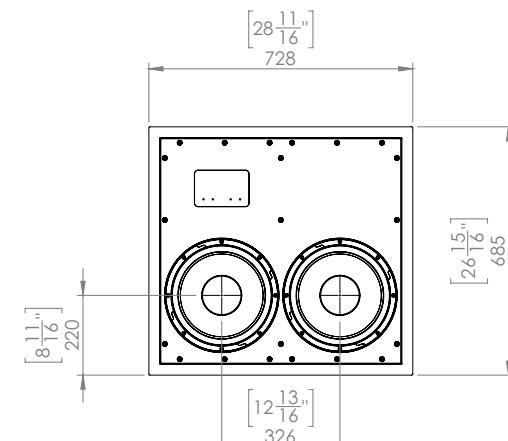
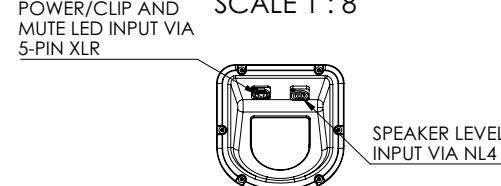
Physical specifications

Net Weight: 55.5kg/122.4lbs.

Dimensions...

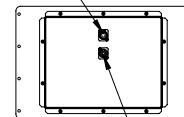


DETAIL A
SCALE 1 : 8



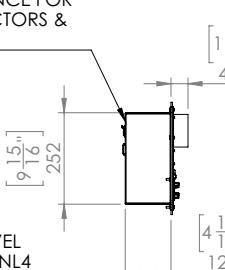
R1-300 PRO (REMOTE AMP)
- 2 X SUPPLIED PER CABINET

POWER/CLIP
LED OUTPUT
VIA 5-PIN XLR

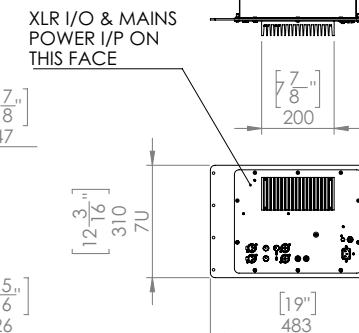


ALLOW 90MM/3.5"
CLEARANCE FOR
CONNECTORS &
CABLE

SPEAKER LEVEL
OUTPUT VIA NL4



XLR I/O & MAINS
POWER I/P ON
THIS FACE



NOTES:
 • NL4 SPEAKER CABLES SUPPLIED SEPARATELY
 • 5-PIN XLR LED CABLES SUPPLIED SEPARATELY

