

Technical manual

CINEMA series

SCR-315F

Cinema screen speaker

Models:

- SCR-315F-8
- SCR-315F-4

Features:

- 900W nominal power.
- 15" woofer with 4" VC
- 8" midrange with 2" VC
- 1" HF driver with 1,75" VC
- 135 dB Max SPL



SCR-315F is a speaker system delivering high sound pressure levels for professional cinema applications.

Technical data

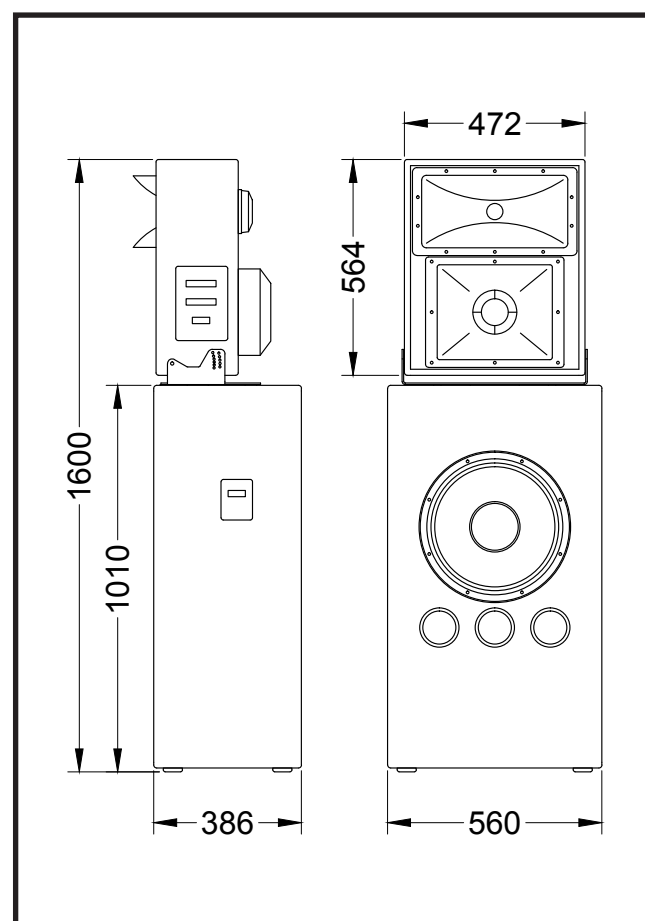
Frequency response (-6dB)	39 – 18000 Hz
Nominal coverage HxV	90° x 40°
Max SPL (peak)	135 dB (calculated)
LF Transducer	15", M1570
MF Transducer	8", MO811
HF Transducer	1", M112
Full-range mode	
Sensitivity (1W/1m)	97 dB
Impedance	8 (4) Ohm
Nominal power (1)	900 W
Program power	1800 W
Peak power	3600 W
Full-range mode recommended processor settings	
Full-range	HPF 38 Hz Butterworth 18 dB/oct; LF boost 40 Hz +4,5 dB, Q=0,8
Sensitivity (1W/1m)	97 dB Low / 106 dB Mid-High
Impedance	8 (4) Ohm Low / 8 Ohm Mid-High
Nominal power (1)	700 W Low / 200 W Mid-High
Program power	1400 W Low / 400 W Mid-High
Peak power	2800 W Low / 800 W Mid-High
Bi-amp mode recommended crossover settings	
Low	HPF 38 Hz Butterworth 18dB/oct; LF boost 40Hz +4,5 dB, Q=0,8
Recommended processor	MAG MP 36
Tri-amp mode	
Sensitivity (1W/1m)	97 dB Low / 104 dB Mid / 110dB High
Impedance	8 (4) Ohm Low / 8 Ohm Mid / 8 Ohm High
Nominal power (1)	700 W Low / 150 W Mid / 50 W High
Program power	1400 W Low / 300 W Mid / 100 W High
Peak power	2800 W Low / 600 W Mid / 200 W High
Tri-amp mode recommended crossover settings	
Low	HPF 38 Hz Butterworth 18dB/oct; LF boost 40Hz +4,5 dB, Q=0,8
Mid	LPF 1500 Hz Linkwitz-Riley 24dB/oct
High	HPF 1500 Hz Linkwitz-Riley 24dB/oct
Recommended processor	MAG MP 36
Connectors	Bi-amp / Tri-amp barrier strip screw terminal
Dimensions (WxHxD)	560x1600x386 mm
Net weight	54 kg
Shipping weight	58 kg
Enclosure materials	Plywood; MDF; wear-resistant paint
Color	Black

Do not pour liquids on speaker system - this may cause driver cone destruction and unappealing speaker appearance. Do not allow direct sunlight on speaker cone - this will reduce it's resource dramatically. For fire safety do not install speaker system near open flames or heating elements.

Do not use speaker system with damaged speaker cable - this is an electric shock hazard and fire hazard.

The speaker system is capable of delivering a significant sound pressure levels. To avoid permanent or temporary hearing damage, prolonged exposure to sound pressure levels exceeding 90 dB should be limited.

Dimensions



Assembly guideline

For convenience of transportation and installation, SCR-315F supplied disassembled and are put together directly on site.

Install SCR-315F mounting bracket onto the subwoofer.

Use M20 front and M8 rear bolts to secure mounting bracket.

Install the mid-hi speaker onto the mounting bracket.

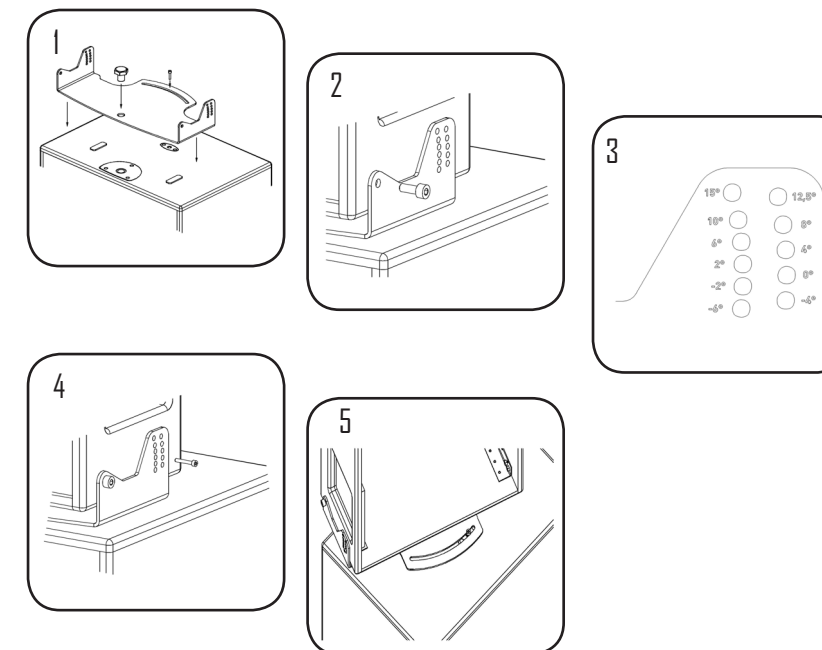
Use M8 bolt to fix mid-hi

Choose appropriate vertical tilt angle, available angles: 0°, 2°, 4°, 6°, 8°, 10°, 12,5°, 15°, -2°, -4°, -6°

Secure with rear M5 bolts.

Choose appropriate horizontal aim angle, available angles: -25° - +25°

Secure M20 and M8 bolts.



SCR-315F Electrical connection guideline

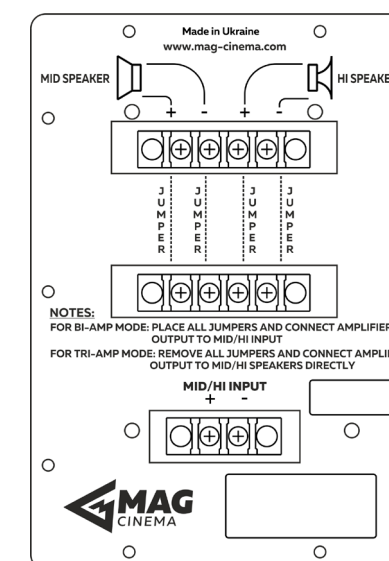
For versatility and ease of use, SCR-315F are equipped to be driven in full-range, bi-amp or tri-amp mode.

For bi-amp mode, place all the jumpers on Mid-Hi section connection plate, and connect amplifier to MID/HI INPUT terminals.

For tri-amp mode, remove all the jumpers and connect amplifiers to MID SPEAKER and HI SPEAKER terminals.

For bi-amp mode and tri-amp mode, connect the Lo frequency amplifier to SCR-315F Sub's INPUT Terminals.

For full-range mode, connect amplifier input to one pair of SCR-315F Sub's INPUT terminals, then connect the other pair to SCR-315F Mid-Hi section MID/HI INPUT terminal. Place all the jumpers on Mid-Hi section connection plate.



SCR-315F terminal plate

(1) – Based on 2 hours power test, IEC filtered pink noise, 6 dB crest factor