

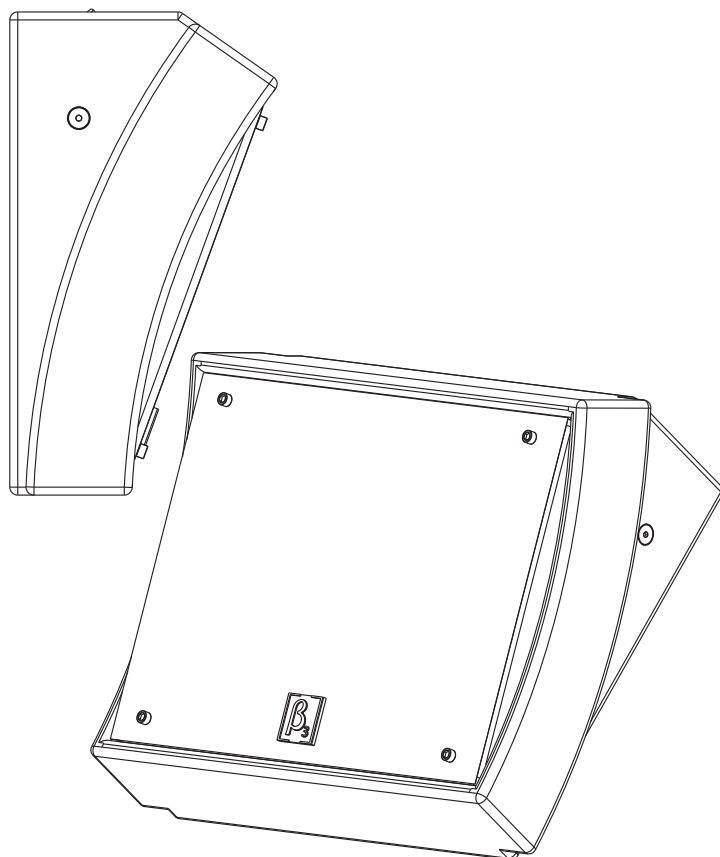


Beta Three

CSR8

THEATER SURROUNDING SPEAKER

USER'S MANUAL





UM-CSR8-20180605 Ver A



SAFETY INSTRUCTIONS

PLEASE READ THIS MANUAL FIRST

Thank you for buying β_3 product. Read this manual first as it will help you operate the system properly. Please keep this manual for future reference.

⚠ WARNING: *This product must be installed by professionals. When using hanging brackets or rigging other than those supplied with the product, please ensure they comply with the local safety codes.*

	CAUTION RISK OF ELECTRICAL SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		

	AVIS RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR	
ATTENTION : POUR RÉDUIRE LE RISQUE DE DÉCHARGE ÉLECTRIQUE, NE RETIREZ PAS LE COUVERCLE (OU L'ARRIÈRE). IL NE SE TROUVE À L'INTÉRIEUR AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'USAGER. S'ADRESSER À UN RÉPARATEUR COMPÉTENT.		

 **The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.**

⚠ ATTENTION: *Don't refit the system or spare parts without being authorized as this will void the warranty.*


⚠ WARNING: *Don't place naked flames (such as candles) close to the equipment.*

1. Read the instruction manual first before using this product.
2. Please keep this manual for future reference
3. Pay attention to all warnings.
4. Obey all operating instructions.
5. Do not expose this product to rain or moisture.
6. Clean this equipment with a dry cloth.
7. Do not block any ventilation openings. Install according to manufacturer's instructions .
8. Do not install this product near any heat source, such as a, heater, burner, or any other equipment with heat radiation .
9. Only use spare parts supplied by the manufacturer.
10. Pay attention to the safety symbol on the outside of the cover.



CONTENT

INTRODUCTION	3
Features	3
Description	3
Applications	3
CONNECTION	4
Connection Method	4
System Connection Reference	4
INSTALLATION	5
Mounting Accessories	5
Installation Reference	5
TECHNICAL SPECIFICATION	6
Technical Sheet	6
Frequency Response Curve & Impedance Curve	6
2D Dimension	7

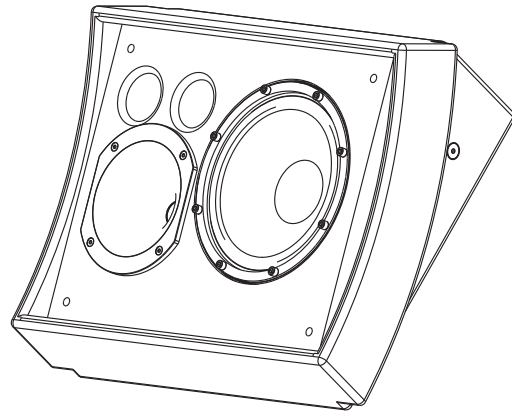
 Product information subjects to be updated without notification,
Please visit www.beta3pro.com for latest update.

CSR8

8" Two-way full range speaker

Features:

- Two transducer two-way full range
- One 8" big power woofer
- One 25mm compression driver
- Frequency response (-3dB):70Hz-18kHz
- Sensitivity 92dB, Maximum SPL 118dB
- Rated power 100W, peak power 400W
- 4xM6 lifting point on the back, 1xM8 lifting point at each side



Product description:

β 3 professional theater speakers are mainly suitable for all size cinema digital stereo system、 theater 、 meeting room and multi-function stage sound reinforcement system. This Cinema series products have been developed and manufactured basing on the latest speaker application materials and processing technology.

Through optimization of material and aided design by computer, this series of products have been developed into superior performance with lower costs, good reliability with outstanding amplification.

On the performance of sound, this series has developed basing on many actual applications, its unique superior sound radiation characteristics has provided the clearest audio-visual positioning and a more beautiful sound quality to the audiences. Adoption of

new generation efficient protection circuit, it ensures this series of products to be applied under poor application circumstances, also extends the service life of products .

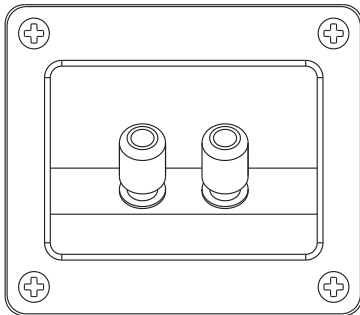
Correctly combining this series of cinema products, the speaker system could be applied to all sorts of different scales of cine, as, also they could be installed quickly and correctly through professional installation structure, it guarantees the sound performance of the system.

Application

- Theater
- Multifunctional hall
- Auditorium
- Cinema

CSR8 with one terminal to connect amplifier.

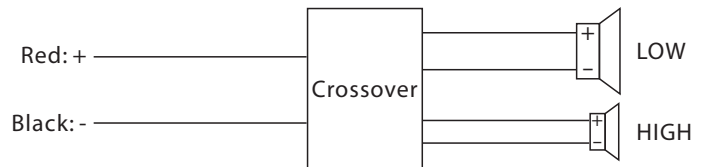
Terminal:



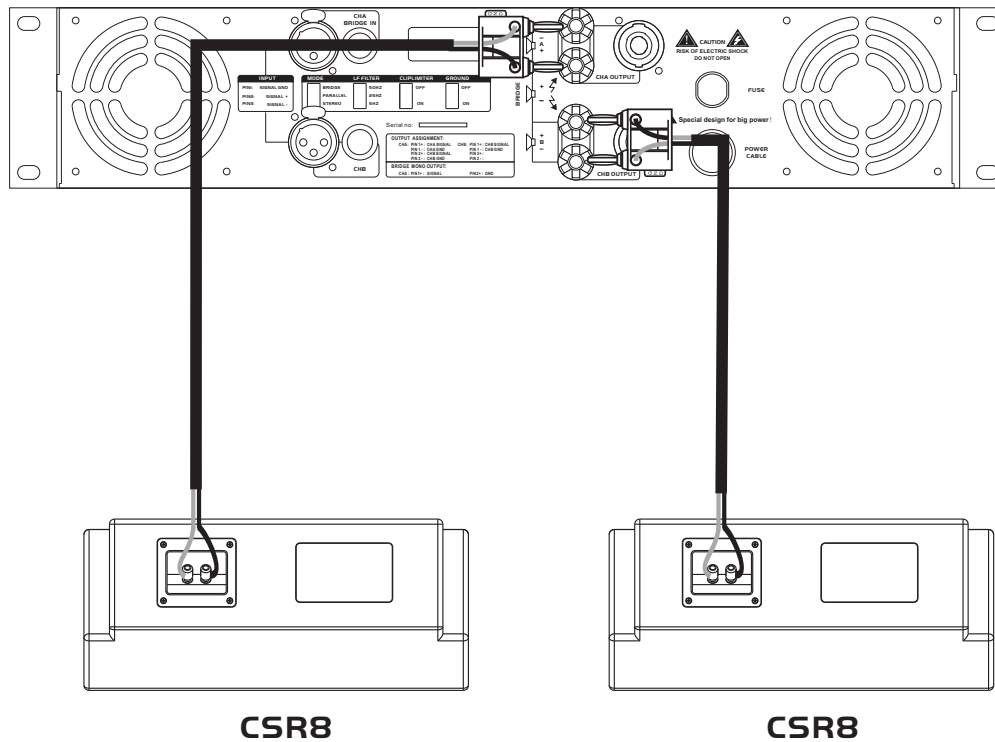
Red: + Black: -

Connection Diagram:

INPUT



System Connection:



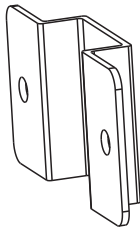
- ⚠ **Note:** when connecting the system, keep the output impedance of speaker matches the amplifier's.
- ⚠ **Note:** connecting the polarity correctly.

Accessories(Optional)

CSR8 with 6 lifting points for installation.

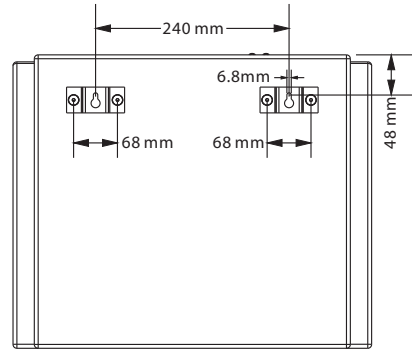
1. Hanging plate

Commodity Code: 101.06.0036.00153_90*40mm/black



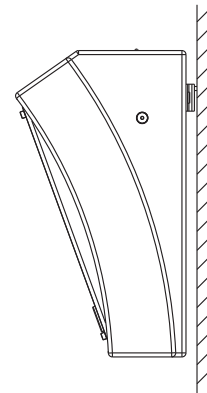
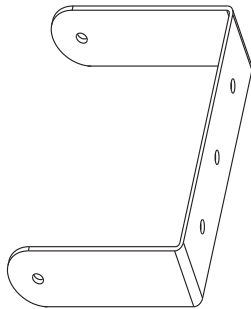
Installation Method:

1. Hanging Method:

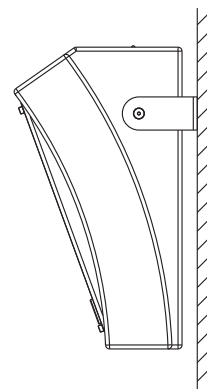
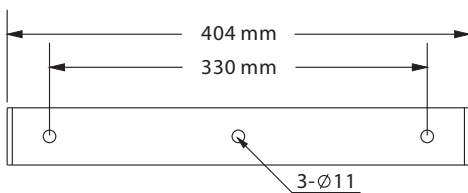


2. U bracket

Commodity Code: 101.06.0020.00005



2. Hanging Method (U bracket)



Warning: All accessories should be with safety factor larger than or equal to 5:1 or refer to local safety standard.

Specification

Construction:	passive wooden speaker
Transducers:	1X8" LF 1X25mm HF
Frequency response (-3dB):	70Hz-18kHz
Frequency response (-10dB):	65Hz-19kHz
Sensitivity(1W@1m):	92dB
Maximum SPL(1m):	118dB/124dB(Peak)
power:	100W(RMS),200W(PG),400W(PK)
Dispersion(H×V):	55°×55°
Rated Impedance:	8 Ohms
Crossover point:	1.6KHz
Cabinet:	ladder-shaped. MDF
Installation:	4xM6 lifting point on the back, 1xM8 lifting point at each side
Finish:	surface of cabinet with Black polyurethane spray surface of grill with black mesh
Connector:	cable clamp
Cabinet Dimension (W×D×H):	452×201.4×364mm (17.8×8.0×14.3in)
Packing Dimensions (W×D×H):	455×290×535mm (17.9×11.4×21.1in)
Net weight:	9.0kg19.8 lbs)
Gross weight:	11.0kg(24.2 lbs)

Speaker Testing Method

1. Frequency Response

Use pink noise to test the speaker in the anechoic chamber, adjust the level to make the speaker work at its rated impedance and set the output power at 1W, then test the frequency response 1m away from the speaker.

2. Sensitivity

Use full range pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber, Increasing the signal to make the speaker work at its rated impedance and set the power output at 1W, then test the sensitivity 1m away from the speaker.

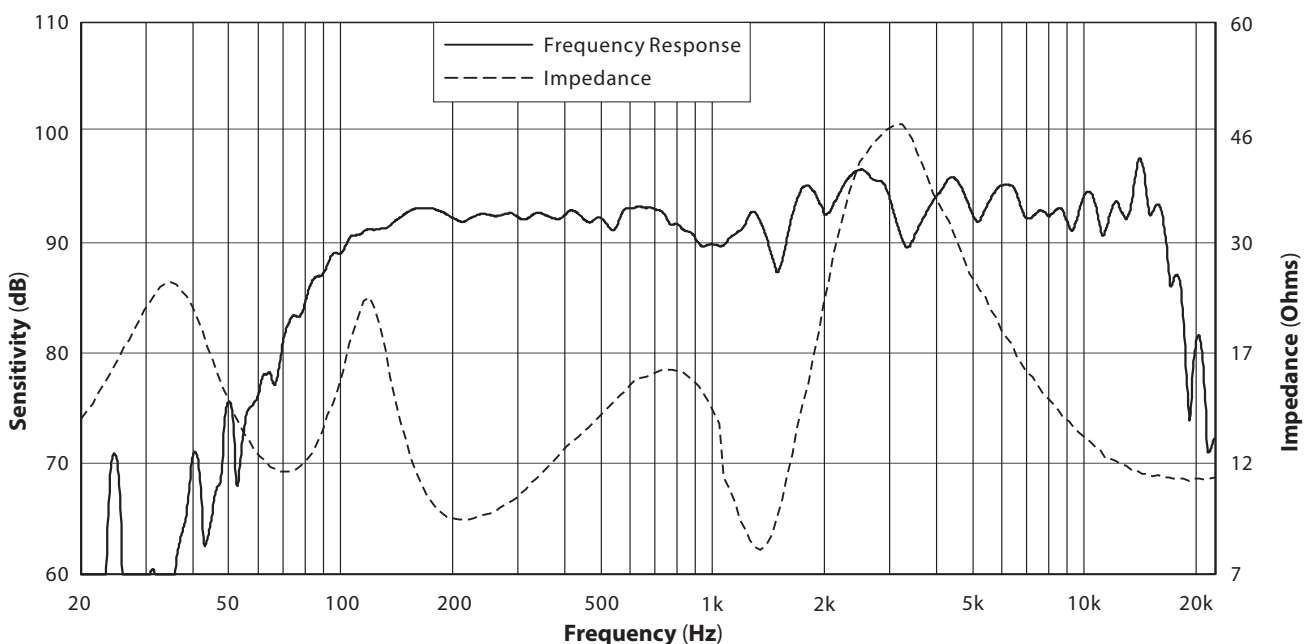
3. MAX.SPL

Use full range pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber , increase the signal to make the speaker work at its maximum power output level, then test the SPL 1m away from the speaker.

4. Rated Power

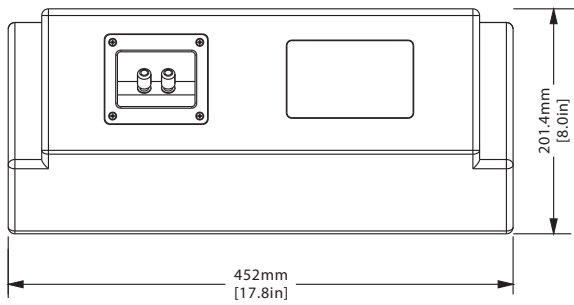
Use pink noise to the IEC#268-5 standard to test the speaker, increase the signal for a continuous period of 100 hours, the rated power is the power when the speaker will show no visible or measurable damage.

Frequency Response and Impedance Curve

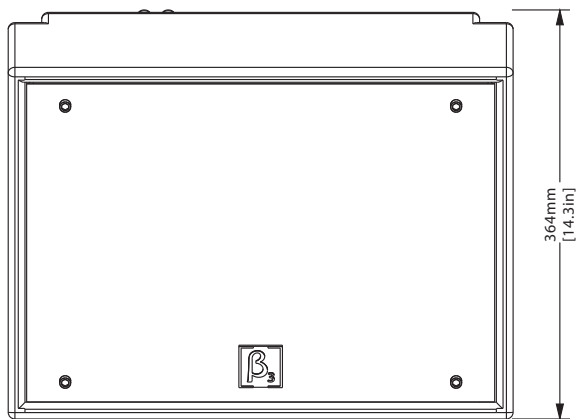


2D Dimension

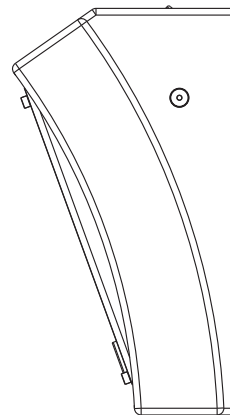
Back



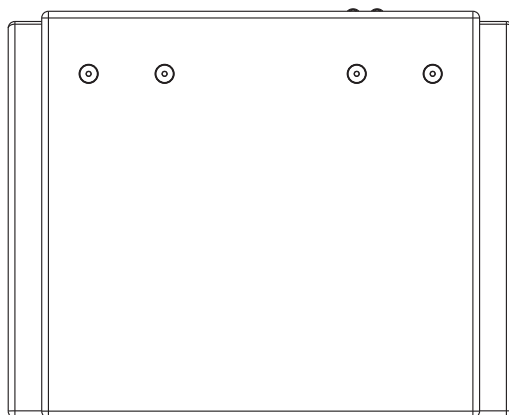
Front



Side



Bottom



Notes:



Beta Three