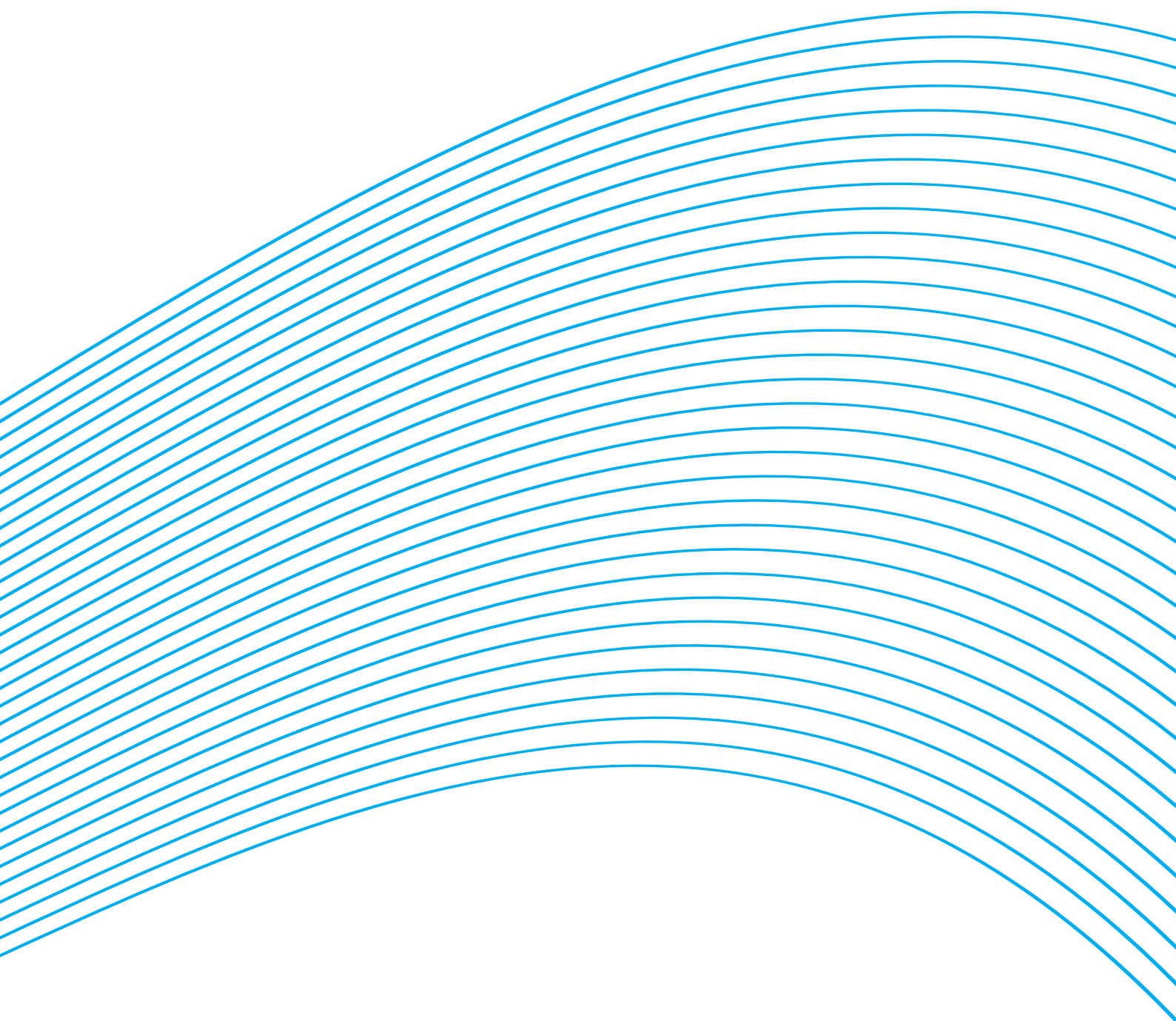
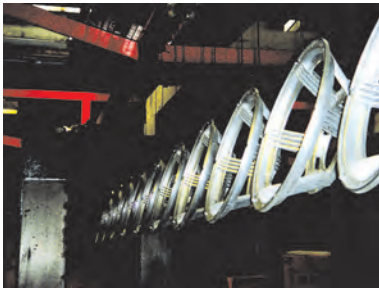
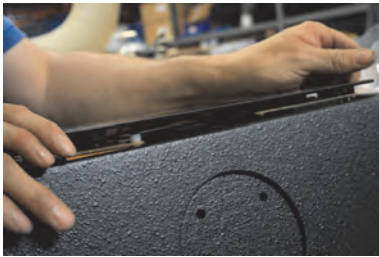


OHM





# Totally Integrated Manufacturing





# Introduction

Welcome to the OHM family!

Since the early 1980's OHM has been *really* serious about sound. We began manufacturing loudspeakers in England and from the beginning uncompromised sound quality was our driving force. After 30 years these are still our principles: great sounding cabinets designed, developed and built in England.

We are proud of our achievements. When buying OHM you don't just get the great sound but also personal friendly and professional customer service, from us and from our worldwide distributors; a legendary spare parts service even for the oldest models as well as the product quality which is appreciated even amongst the other loudspeaker manufacturers who have used our services over the years.

We can proudly say that our products are handmade. Whilst using the best technology to help us with our production, in every step of the process there is a human touch to guarantee the very best quality control. We build our passion into our products.

From the OHM product range every customer can find the right solution for their needs. From background music installations to the biggest live sound events. Every application can be catered for including, where required, bespoke metalwork from our in house engineering department. We are regularly in contact with our customers to get feedback about our products and we invest heavily in R&D to ensure that we can create new innovations and produce the best possible products.

We don't assume that you will believe without hearing. Instead we would like to recommend that you think out of the box, challenge yourself and contact our sales team and come to our headquarters and get to know us and our products. We know, that once you have seen and heard what OHM and OHM products can really do for you, you'll agree that quality sound is a passion worth being serious about.

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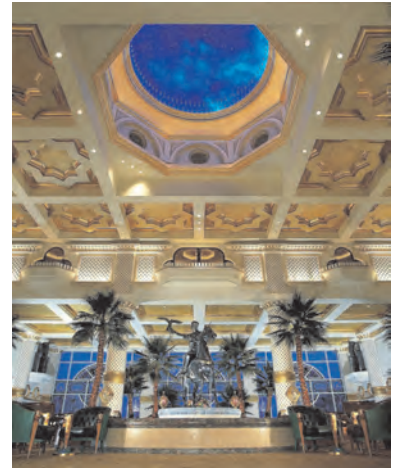




# Choose OHM They did!

## A small section of OHM's Clientele

Alexandra Theatre, Birmingham, UK  
Alton Towers, UK  
American School, Warsaw, Poland  
Burger King, Poland  
Café Kellerrick, Denmark  
Camelot, UK  
Carlsberg, Poland  
Dundee United Football Club, Scotland UK  
Glastonbury, UK  
Grand Hyatt Muscat Hotel, Oman  
L Bar Restaurant, Lebanon  
Laid Back Waters/Gurgaon, India (Voted best Clubs in Delhi)  
Legoland, Denmark  
Lizard King Chain, Poland  
Maybach Museum, Neumarkt, Germany  
Ministry Of Sound, UK  
Moscow Airport, Russia  
National Gallery, London, UK  
Palace Casa Del Cordón, Burgos, Spain  
Poison Superclub, India  
Red Bull, Poland  
Salisbury Cathedral, UK  
Shalom Hotels, India  
Sony Playstation, Poland  
Stoke City Football Club, Stoke, UK  
Suyuri Church, Korea  
Syndicate Superclub, UK (Awarded Nightclub of the Year 2003)  
Tamworth Snowdome, UK  
Taj Hotels, India  
TDK Stadium, Spain  
Tokyo Industries, UK  
Vienna State Opera House, Austria  
Zenn Nightclub, UK  
Zheng He Hotels, China







# Application Shots



Carolus Borromeus Church - Belgium



Silja Line - Finland



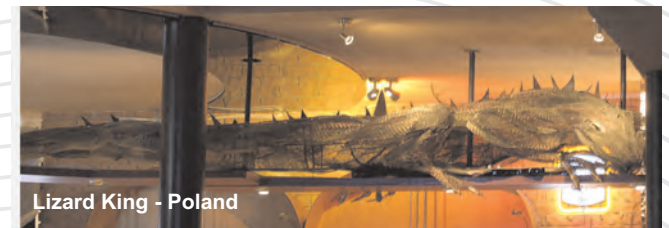
Venus - UK



Stars and stairs - Germany



BA Hotels - Germany



Lizard King - Poland



Walrus Nightclub - UK



Maybach Museum - Germany



# Ceiling Speakers

## CL SERIES MUSIC CEILING SPEAKERS

OHM believe that the sound in a venue should be uncompromised including the often overlooked secondary areas, to this end we are proud to introduce ceiling speakers within our range so that the performance and aesthetic design expected of OHM products can be consistent throughout the venue. Additional models have been introduced for applications that require metal fire domes to comply with fire regulations. The plastic parts are moulded in fire retardant graded materials.

CL series 100 volt line ceiling speakers are built to the high standard of performance and sound quality that are the trademark of OHM products. The smallest model CL-0T is a full range 2½" loudspeaker suitable for low level sound reproduction. A further two models, 5¼" and 8", each comprise of a 14mm polycarbonate coaxially mounted high frequency unit and bass speaker complete with integral crossover and 100 volt line transformer. Completing the range are three models fitted with fire domes. The CL-2TD and CL-3TD having a 1" horn loaded soft dome tweeter.

Excellent 'hi-fi' quality sound reproduction is offered, together with an extended low frequency response all delivered from a neutral white housing with powder coated steel grill and OHM logo. Installation is achieved simply and elegantly using a quick mount system.

Particularly suited for distributed music and public address applications, these discrete units are ideal for public building areas such as foyers, corridors and washrooms where intelligibility and musicality are required without aesthetic intrusion.



Model	Impedance (ohms)	Power Handling RMS watts	Tappings Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active Crossover	Dispersion	Hole Diameter (mm)	Dimensions Diameter x H (mm)	Weight (kgs)
CL-0T	8 / 100V	6	3, 6	12	86	96	110Hz - 20kHz	n/a	n/a	100 x 100	ø95	ø104 x 88	0.4
CL-1T	8 / 100V	15	0.8, 1.5, 3, 6	30	88	102.5	80Hz - 20kHz	4kHz	n/a	140 x 140	ø167	ø203 x 86	0.9
CL-3T	8 / 100V	20	0.8, 1.5, 3, 6	40	90	106	60Hz - 20kHz	3kHz	n/a	140 x 140	ø239	ø273 x 100	1.4
CL-1TD	8 / 100V	15	10, 5	30	89	102	150Hz - 20kHz	4kHz	n/a	140 x 140	ø165	ø198 x 169	1.7
CL-2TD	8 / 100V	30	15, 10	60	90	107	150Hz - 20kHz	3kHz	n/a	140 x 140	ø200	ø231 x 196	2.1
CL-3TD	8 / 100V	60	30, 15	120	90	110	150Hz - 20kHz	3kHz	n/a	140 x 140	ø242	ø275 x 215	3.4





# Ceiling Speakers

## CL SUBWOOFER

To compliment the CL range of full range ceiling speakers where additional low frequency response is required a new low impedance 8" subwoofer has been introduced.

Using the same quick mount system, CL-SUB has a built in crossover and will handle 50 watts at 8 ohm. The recommended amplifier is an OHM CFU-A0

The CL-SUB will handle frequencies up to 200Hz giving a true bass reproduction without intrusion.

## CL-6AL and CL-6AM POWERED CEILING SPEAKERS

Available in both 230 volt and 24 volt supplies the CL- 6A powered ceiling speaker is the answer to the store designer's prayer. As the amplifier is contained in the dome of the speaker all that is required is to provide a balanced line signal and the premises has a full PA system without racks of amplifiers cluttering the floor space or the manager's office.

Up to ten CL-6As can be run from one signal source, which can be CD, MP3, TV, radio or computer and they will also run from a PC based POS terminal with a sound card thereby freeing up more space.

The CL-6As 5", 8 ohm speaker produces a maximum power output of 6 watts.

CL-6AL (Low voltage transformer included)  
CL-6AM (Mains voltage)



Model	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Dispersion	Hole Diameter (mm)	Dimensions Diameter x H (mm)	Weight (kgs)
CL-SUB	8	50	100	92	111	40Hz - 200Hz	140 x 140	ø250	ø280 x 192	2.3
CL-6AL	8	3	6	94	102	60Hz - 20kHz	140 x 140	ø175	ø220 x 115	1.2
CL-6AM	8	3	6	94	102	60Hz - 20kHz	140 x 140	ø175	ø220 x 115	1.2





# BootiQue

## Active System

Continuing our innovative approach to sound solutions, we are pleased to introduce BootiQue, a packaged professional sound system in a box. The subwoofer is in the OHM anthracite black paint and the satellites are finished in an attractive high gloss black or white piano finish complementing the most sophisticated of interiors.

The active subwoofer, containing a 10" bass loudspeaker which is powered by an internal 130 watt amplifier, in a bandpass enclosure that delivers rich deep bass. The satellite amplifiers consist of two 60 watt equalised modules powering up to four BootiQue two piece, diecast aluminum satellite cabinets each a total of eight speakers. Ideal for distributed sound in, as the name suggests, boutiques, small bars, discotheque lounge areas and foyers.

The amplifier section contains a built in crossover and limiters. Inputs and links are by way of Phono sockets. An additional Mini Jack and USB connector are provided for iPod type product connection as is a power output socket enabling the device to be used without batteries. Separate master and mid-hi gain controls enable balance between the bass and mid high levels.

Phase Reverse and Auto On functions are enabled with slide switches. The Auto On/Off feature is particularly useful, switching power on and off triggered by the music being present. Satellite speaker outputs are on heavy duty binding posts. The control panel is completed with a Euro mains input and illuminated mains switch. Visible black anodised heat sinks and LED status lights complement the front panel aesthetics.

A fire alarm mute connector enables the BootiQue to be installed into a location covered by a voice alarm fire system with a choice of voltage-present or voltage-absent muting.

A wall mounted switch box incorporating an On/Off switch, USB and Phono inputs connected through CAT5 to the amplifier unit allows the sub to be remotely located elsewhere in the venue.

A hand held remote control is provided as standard

A full range of optional mounting hardware completes the package.

Pleasing to the eye and architecturally compact making this an ideal sound installation solution.





# BootiQue

## Active System



Available in Black or White Piano Finish

Output 8 Ohms 1kHz THD<0.1% Stereo Mode	Bass Subwoofer 130 Watts Bass sat 2x60 Watts	Signal/Noise (A-Weighted)	>92dB
Output 4 Ohms 1kHz THD<0.1% Stereo Mode	Bass Subwoofer 180 Watts Bass sat 2x85 Watts	Class	AB
Frequency Response @ 1 Watt Into 8 Ohm	20Hz-20kHz +0, -0.3dB	Input and Link Connectors	RCA Phono, Stereo Mini Jack, RJ45, USB, Barrier Strip for Fire Alarm Muting
Input Sensitivity	0.775V/1.1V/26dB	Output Connectors	Binding Posts
THD+N	<0.02%@1kHz	Indicators	-5dB, 0dB, +5dB, +8dB, +11dB, Standby, Power
Damping Factor @ 400Hz into 8 Ohm	>250	Protection	Short Circuit, DC Voltage, Turn On/Off Transient, Thermal, Limiter
IMD into 8 Ohm Unbalanced	<0.08%@100W	Controls	Master Gain, Bass Gain, Mid-Hi Gain, 0°/180° Phase Switch, Auto Power Switch, Mains Switch, Remote Control, Volume On/Off, Bass Satellite EQ, GND Lift.
Input Impedance	>4.7K Ohm	Power Supply	AC 230V 50Hz / ipod output 5 volts
Crosstalk at rated Output 8 Ohms 1kHz	>60dB	Dimensions (mm) (H x W x D)	340 x 330 x 500
		Weight (kgs)	27

Model	Impedance (ohms)	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Active Crossover	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
BootiQue Satellite	4	91.5	110.5	38Hz - 20kHz	100Hz	90 x 90	140 x 142 x 132	1.8



# AS-B Active Subwoofer

OHM's innovative approach to providing sound solutions has inspired the development of a cost effective active subwoofer to enhance the bass performance of a system. Distinguishing itself against competitor products with the addition of built in satellite amplifiers.

The AS-B is an active bi-amp 700 watt subwoofer system featuring three amplifiers integrated into the back of a 2 x 10" reflex loaded speaker enclosure, this is powered by a mono 300 watt amplifier. Each of the two satellite amplifiers deliver 200 watts into 4 Ohms.

The rear panel features an input section offering a myriad of connecting options. Inputs can be either XLR, Jack or Phono. Links to enable daisy chaining are provided as XLR or Phono connectors. The control section consists of a 2 position variable Input Sensitivity Switch, Phase Reverse, Bass Gain, Crossover Frequency, Mid High Gain, Auto Power and Earth Lift. The Auto On/Off feature automatically shuts down if signal is not present after a period of time. Satellite output connectors are Neutrik® Speakons. Power connection is via an IEC fused mains inlet. A rear On/Off switch, LED indicator and cooling fan complete the rear panel. Remote power LED's on the front of the cabinet identify the status of the power amplifiers.



Output Power (1kHz THD<0.1%)	Mid-Hi 2 x 200 Watts @ 4 Ohm, Subwoofer 300 Watts @ 4 Ohm
Signal/Noise Ratio (A-Weighted)	>100dB
Input Impedance	20K Ohm Balanced
Input Sensitivity	0.77V / 1.4V
Variable Crossover Frequency	100Hz-150Hz
Input Connectors	Neutrik® Combo, RCA Phono
Links	Neutrik® XLR, RCA Phono
Output Connectors	Neutrik® speakon connectors
Protection	Full Short Circuit, Open Circuit, Thermal, On/Off Muting
Cooling	Two Speed Fan
Power Supply	AC 230V 50HZ
Controls	0.77V/1.4V Input Sensitivity Switch, 0°/180° Phase Switch, Bass Gain, Crossover Frequency Mid-Hi Gain, Auto Power Switch, Earth Lift, Mains Switch
Dimensions (mm)	313 x 670 x 580 (H x W x D)
Weight (kgs)	38





# KS Series

## Business Music

Constantly striving to improve the performance of OHM products the KS Series upgrade features newly developed components.

KS enclosures turn heads with a great combination of sound and looks. Adorned in OHM's high quality textured anthracite paint and cast metal logo, KS Loudspeakers make a statement before they are even switched on.



### KS-1

This enclosure is a compact 2-way power house with a soft dome tweeter and 6" bass-mid driver. Given its size, the performance is truly impressive.

### KS-3

For the larger venue the KS-3 enclosure contains a high powered, 1" fluid cooled horn loaded tweeter, this delivers extra high frequency performance. The 8" bass-mid driver ensures a full frequency response and enhanced bottom end. Although perfect for installed sound, audio visual and home cinema applications will also benefit from the performance of the KS-3. Perfectly matched for use with the AS-B subwoofer

### ACCESSORIES

Both cabinets are prepared for the easy attachment of the OHM mounting hardware. KC-1 and KC-3 are cradle style brackets allowing the possibility of either ceiling or wall mounting. An SWB or HWB wall bracket may be used as an alternative, offering pan and tilt adjustment.



Available in Black and White

Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
KS-1	8	60	120	85	104	90Hz - 20kHz	3.5kHz	- / 110Hz	100 x 100	192 x 257 x 192	3
KS-3	8	125	25	88.5	111	75Hz - 20kHz	3.6kHz	- / 100Hz	100 x 100	248 x 350 x 234	8



# BR Series

## Business Music



Newly developed components have improved the performance of these already impressive models. Now featuring new 1" diaphragm horn loaded tweeters and Neodymium bass units, increasing the SPL by 3dB on the BR-5 and 2.5dB on the BR-6. Fitted with dual speakon connectors as standard on a newly designed proprietary back plate. The front grills cast metal logo can be relocated if the cabinet is used in the landscape orientation.

The low profile installing option makes the BR-5 and BR-6 ultra versatile in demanding architectural applications such as wall/ceiling junctions in low rooms and under balcony theatre sound where unobtrusive high fidelity sound is required. Each enclosure in the family boasts virtuoso performance. High SPL is sustained at high power levels due to the specially optimised driver components. Both enclosures are ideally suited for use with the AS-B or BR-15B subwoofers.

### BR-5

Combining a 6" bass-mid driver and the horn loaded tweeter producing power and musicality defying its size. An impressive sound field is achieved with the 135° x 125° dispersion. The 16 Ohm impedance is designed to add to the overall flexibility of the system, allowing for up to eight cabinets per channel to be wired in parallel using a 2 Ohm capable CFU Series amplifier.

### BR-6

This is the bigger brother to the BR-5. An additional 6" driver increases power handling and maximum SPL. The 8 Ohm impedance facilitates the use of up to four cabinets per channel to be wired in parallel using a 2 Ohm capable CFU Series amplifier. The BR-6 is also the solution to many architectural sound problems. A dispersion of 130° x 65° and maximum SPL of 121.5dB make it ideal for distributed sound problem areas where space is restricted.

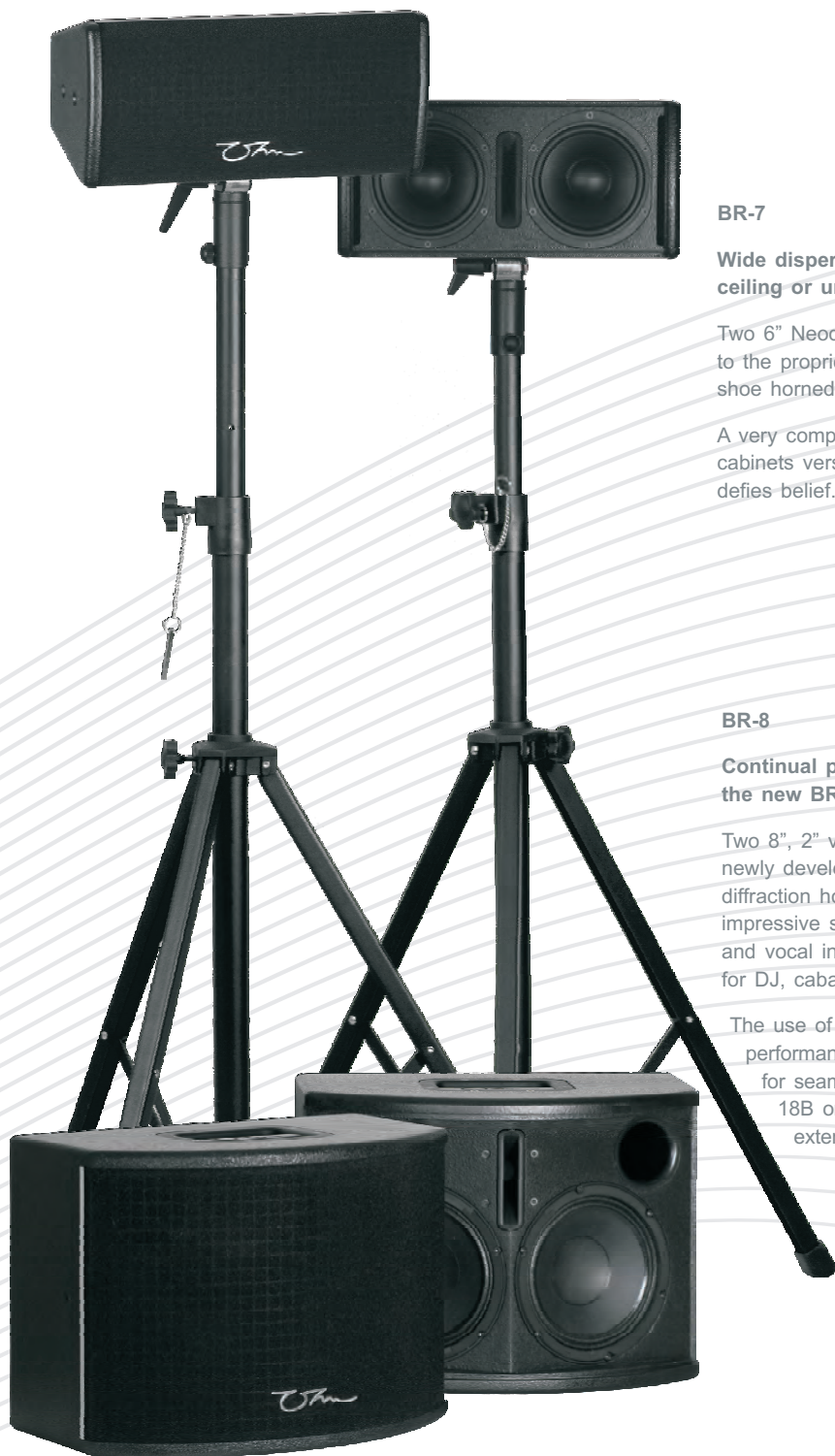


Available in Black or White

Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
BR-5	16	125	250	92	114	125Hz - 20kHz	3.5kHz	- / 125Hz	135 x 125	280 x 189 x 184	3.5
BR-6	8	250	500	96.5	121.5	125Hz - 20kHz	3.5kHz	- / 125Hz	130 x 65	410 x 189 x 184	5.5



# BR Series



## BR-7

**Wide dispersion arrayable low profile speaker for use in low ceiling or under balcony applications.**

Two 6" Neodymium magnet, 35mm voice coil bass units coupled to the proprietary 1" compression driver and diffraction horn all shoe horned into a tiny frame cabinet.

A very comprehensive range of retrofittable hardware adds to this cabinets versatility. Coupled to an OHM subwoofer its performance defies belief.

## BR-8

**Continual product development and improvement features in the new BR-8.**

Two 8", 2" voice coil, proprietary expanded envelope drivers and a newly developed 1" compression driver fitted to a proprietary diffraction horn create 160° horizontal dispersion ensuring a wide impressive sound field. Recorded music is faithfully reproduced and vocal intelligibility is exceptional making it an excellent choice for DJ, cabaret and theatre applications.

The use of specially selected driver components offer excellent performance for stand-alone AV and voice critical situations or for seamless operation when used with the AS-B, BR-15B, BR-18B or BR-218B in a sub/sat system when low frequency extension is required.

Available in Black or White

Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
BR-7	8	300	600	96.5	122.5	125Hz - 20kHz	3.5kHz	- / 125Hz	160 x 60	189 x 410 x 184	8
BR-8	8	300	600	100	126	80Hz - 20kHz	3kHz	- / 100Hz	160 x 60	336 x 458 x 315	18





# BR Series

Long established the BR Series of OHM symbolises uncompromised quality and performance. In line with our policy of continued improvement OHM now offer the updated BR family with rotatable horns and the addition of a new model. The cabinets now have the further option of being flown horizontally utilising M-10 eyebolts in the pre-prepared hardware.

## BR-9

A new introduction to the BR family is an 8" plus 1" compression driver, a smaller cabinet that still retains all the features of the larger BR-Series of products.

Ideal for smaller venues or as an infill speaker where its performance is not compromised by its diminutive size.

## BR-10

Shattering performance in a remarkably compact enclosure, delivering a maximum SPL of 127dB and impressive bass relative to its size.

Equipped with a 10" woofer and 1" high frequency compression driver, this enclosure is an adaptable professional choice for both mobile and fixed installation applications.

The use of specially selected driver components offer excellent performance for stand-alone AV and voice critical situations or for seamless operation when used with the BR-18B or BR-218B as a sub/sat system.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
BR-9	16	300	600	97	123	80Hz - 20kHz	2.3kHz	- / 100Hz	90 x 60	475 x 290 x 245	15
BR-10	8	375	750	100	127	80Hz - 20kHz	1.9kHz	- / 100Hz	90 x 60	525 x 304 x 272	20



# BR Series

The professional's choice for sound reinforcement - OHM's BR Series performs to the highest level and in doing so has achieved international recognition and acclaim. OHM's loudspeaker pedigree shines through in every model, demonstrating unrivalled voicing, timing and pure tonality.

## BR-12

Equipped with 12" woofer and 1½" high frequency driver, BR-12 is capable of extremely high SPL and enhanced bass, given its compact dimensions. BR-12 is an adaptable, professional choice loudspeaker for both mobile and fixed installation applications.

The use of specially selected driver components offer excellent performance for stand-alone AV and voice critical situations, or for seamless mid-high operation when used with the BR-218B as a sub/sat system.

The new rotatable horn will add to this cabinets versatility.

## BR-15

Designed primarily for high-level systems in clubs, house PA and medium venue live reinforcement. BR-15 delivers incredible performance. Its efficient 1½" high frequency compression driver, and complete absence of cabinet colouration ensures exceptional intelligibility for critical vocal application, e.g live theatre.

The high frequency unit is crossed over to a specially optimised 15" bass driver for impressive full-range performance, or seamless integration with the BR-218B subwoofer when used as a sub/sat system.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
BR-12	8	500	1000	99	125	70Hz - 19.5kHz	1kHz	- / 60Hz	60 x 40	665 x 377 x 340	29
BR-15	8	600	1200	99	126	70Hz - 19kHz	1kHz	- / 100Hz	60 x 40	765 x 456 x 349	42



# BR Series Subwoofers

A range of subwoofer enclosures designed to enhance the low end performance of any OHM system. The performance of OHM subwoofers is recognised throughout the world; extremely rigid, compact and impressive.

## BR-15B

The BR-15B is the entry level subwoofer of the BR Series, featuring a purpose designed, high power dual voice coil 15" bass driver, mounted in an Ohm S.A.L.T (Symmetrical Air Loaded Technology) enclosure. Can be used in stereo as a 2 x 4 Ohm enclosure or user modified as a mono 8 Ohm.



## BR-18B

A sixth order bandpass enclosure with a high power proprietary 18", 4" voice coil, bass chassis at its core.

The BR-18B is at home in any installation, suitable for high level systems in clubs or house PA for live performance and touring. Easily stacked and a one man lift. Fitted with a foot stacking system.

Can be factory or retro fitted for a transport dolly BR-18BTD.



BR-18B shown with retrofittable transport dolly BR-18BTD



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dimensions H x W x D (mm)	Weight (kgs)
BR-15B	8 / 2 x 4	625 / 2 x 312.5	1250 / 2 x 625	97	123	45Hz-170Hz	125Hz (optional)	110Hz / 45Hz	400 x 540 x 480	36
BR-18B	8	875	1750	98.5	129	45Hz-150Hz	-	100Hz / 45Hz	400 x 630 x 548	41





# BR Series Subwoofers

The professionals choice for sound reinforcement - OHM's BR-218B enclosure performs to the highest level, this third generation subwoofer supercedes its predecessors that had already achieved international recognition and acclaim.

OHM's loudspeaker pedigree shines through, demonstrating unrivalled voicing, timing and pure tonality...

## BR-218B

Much of the 'rhythm and slam' detail so desirable in bass output is often lost amongst the cabinet wall vibrations of lesser subwoofer models. By employing Zero Acoustic Technology™, the BR-218B prevents these unwanted periodic resonances occurring.

This virtually vibration free enclosure houses two high performance 18", 4" voice coil, drivers in optimally tuned coupled air volumes, resulting in massively accurate bass detail, with unparalleled dynamics and a 135dB maximum SPL.

Shown with optional retrofitable castor pack.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dimensions H x W x D (mm)	Weight (kgs)
BR-218B	4	1750	3500	102	135	35Hz - 120Hz	-	100Hz / 35Hz	1000 x 500 x 750	82



# HGW Invisible Subwoofers

The HGW is a range of “invisible” subs intended to be heard and not seen. The trend for high standard interior design in entertainment and catering venues has created a demand for subs to be incorporated in a concealed fashion and not taking up valuable floor space.

## HGW-8

Is an 8” reflex mini bass cabinet ideal for hiding away under a counter or in a ceiling space of a shop or cafe

## HGW-10

is a horn-loaded cabinet having a 10” driver in an enclosure 425mm x 305mm x 800mm. This long narrow sub design is ideal for placing

under seats or banquettes and can be built into stages, steps and vertical columns. Fitted with stacking feet for security in multiple arrays.

Easily concealed, the HGW-10 can be multi stacked hidden against a wall forming a pillar. Firing into a corner further enhances the bass performance.

## HGW-12

is a fourth order bandpass subwoofer in a compact enclosure. The 100mm forward facing port provides an even sound distribution for small areas and when used in multiples can cover a large room without intrusion.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dimensions H x W x D (mm)	Weight (kgs)
HGW-8	16	120	240	92	112	55Hz - 200Hz	-	125Hz / 55Hz	310 x 290 x 390	10
HGW-10	8	250	500	99	124	55Hz - 110Hz	-	125Hz / 50Hz	425 x 305 x 800	32
HGW-12	8	300	600	96	122	44Hz - 110Hz	-	125Hz / 45Hz	350 x 410 x 525	24.6



# SS-30

# Subwoofer

## SS-30 SMAKSTAK Subwoofer - Re-birth of a Legend!

Designed in the 1990's to satisfy the needs of the "superclubs", the OHM SMAKSTAK became a legend throughout the dance club world.

As part of our thirty year celebrations we have brought back this iconic speaker with an all new OHM driver.

The SS-30 has a folded horn length of 2.7 metres made in birch ply within an enclosure of less than half a cubic metre. The single 16 Ohm, 500 watt driver gives a phenomenal SPL in excess of 138dB (144dB stacked in multiples of four) with a -3dB low frequency point of 32Hz and will be an ideal companion for the Ersa Major line array.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dimensions H x W x D (mm)	Weight (kgs)
SS-30	16	500	1000	110	138	32Hz - 150Hz	-	150Hz / 35Hz	686 x 956 x 686	74





# Planet Suite Moon

You're in a nightclub... You're feeling the power. 129dB of bass going down to 31Hz and the sweetest mid highs keeping up at 126dB.

Glancing around, seeing a 56cm square sub, 40cm tall satellites, you wonder if it's your eyes or ears that are deceiving you, it's neither. You are under the influence of MOON.

Relentless ambition and ongoing commitment to research and development, OHM are proud to have developed a shoe box system with concert sound performance.

## MOON SATELLITE

Dressed in a textured anthracite paint with foam grill and steel logo, this speaker is both elegant and purposeful in appearance. Adaptable enough for AV, stage and fixed installation, Moon is nothing less than an audio miracle. Housing a 1" compression driver, 8" parabolic cone bass-mid driver and a complex fourth order crossover unit, this compact enclosure is an impressive enough as a full range system.

The next challenge was to make a sub that could keep up with it.

What was to follow exceeded even OHM's expectations - no written specification can prepare you for this next product.

## MOON SUB

The performance of the Moon Sub will have you searching for an invisible extra driver or even a second enclosure. At the core of this revolutionary design is a dedicated single 18", 4" coil, drive unit. This powerful unit loads an air-mask coupler that radiates through a custom made composite Drone Cone. The combined action provides true piston motion over a greater surface area than the host driver, resulting in deep and penetrating detail without loss in accuracy

Dedicated active electronics, an OHM Cred is required for both full range and two-way operating modes.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
MOON	16	300	600	100	126	75Hz - 20kHz	1.25kHz	- / 100Hz	90 x 60	397 x 246 x 236	12.2
SUB	4	875	1750	101.5	132	31Hz - 150Hz	-	100Hz / 30HZ	-	565 x 560 x 438	38



# Planet Suite Saturn

**SATURNS** are compact high powered full range cabinets containing an advanced woofer and a coaxial compression driver on a rotatable CD horn with 60° x 40° dispersion angles.

To ensure maximum flexibility and to get the optimum performance the enclosures have 12 carefully positioned mounting points, these with the rotatable horn allows the cabinets to be mounted in any orientation. A large port minimises the breathing noises and gives maximum output on the tuning frequency with minimal compression.

Whilst intended mainly as an installation units the enclosures includes two ergonomic handles allowing

easy handling when out on the road. A kick-proof steel grill finished with reticulated black foam and a stainless steel OHM logo means that the components are protected from the rigours of use and whilst being transported. The top hat allows the cabinets to be used with various OHM subwoofer cabinets in a sub sat system configuration.

Signal input is via 8 pole Speakon connectors linked through to allow multiple daisy chaining in the unpowered version.

An OHM three channel DSP amplifier can be mounted into the cabinets making the units self powered or externally in a required area of the installation.



SATURN-12	Impedance (ohms)	Power Handling AES Watts	Max Power Handling Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Recommended HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HF	16	80	160	99	125 cont 131 peak	50Hz - 22kHz	OHM DSP Amplifier Required	40Hz Butterworth 18 dB per Octave	60 x 40	700 x 377 x 385	22
MF	8	160	320								
LF	8	600	1200								
SATURN-15											
HF	16	80	160	99	128 cont 134 peak	35Hz - 22kHz	OHM DSP Amplifier Required	30 Hz Butterworth 18 dB per Octave	60 x 40	855 x 456 x 500	35
MF	8	160	320								
LF	8	1200	2400								

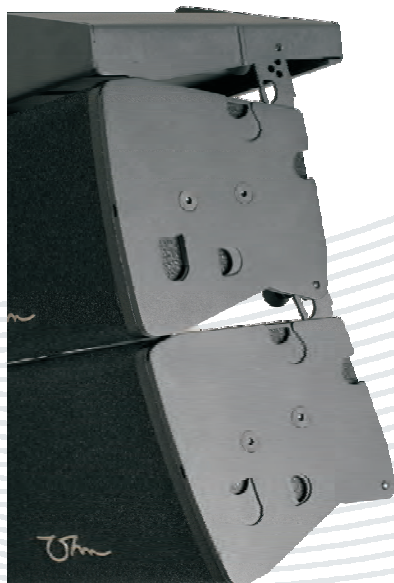


# Planet Suite

## Ersa Minor

The Ersa Minor has been developed following the trend for high powered, small enclosure, portable line array systems. Featuring two 6" Neodymium magnet bass units and a 1" compression driver on a proprietary waveguide, the Ersa System offers total versatility, unprecedented performance from enclosures of these dimensions.

The unique flying system is easy to use and in transport has no protruding parts that can be broken off. The cabinets can equally be used singly or in pairs using the unique stand adaptor or hanging cradle for smaller systems, Perfect for conferencing or low profile wide angle room applications.







# Planet Suite

## Ersa Minor

A wide range of options is available for various mounting configurations. A dedicated subwoofer is under development that will allow for easy ground stacking. The cabinets are fitted with twin Neutrik Speakons allowing for easy daisy chaining.

There is an optional Flying Frame EMN-FF, which includes a patch panel to allow for the easy connection of six cabinets with four core cable to one amplifier.

A custom made flight case will be available to facilitate the transporting of the system. Look at the OHM website for updates.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active Crossover	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HF	16	100	200	109	130	125Hz - 20kHz		800Hz	120 x 40	189 x 410 x 184	9.6
Low Mid	32	250	500	95	120		800Hz	125Hz			



# Planet Suite Lunaray

Born out of need for a solution in a clients nightclub, Lunaray started life as a fixed installation line-array system. Its present format was dictated by the customers who visited this venue and demanded a road going version with a fully adjustable flying system.

Designed to be used in Theatres, Opera, or Mobile PA applications, it may be cradle mounted individually making it ideal as an under balcony speaker or where ceiling height is restricted.

For flat array, axis of drivers in adjacent cabinets are parallel (i.e angle of 0° between axis).  
For BANANA array, axis of drivers in adjacent cabinets are constant angle offset throughout the array.

Maximum offset possible (last pair in the array). 30° between axis of adjacent drivers. Offset between adjacent driver axis is controllable between 2.5° steps up to 20°.

Its impedance of 16 ohm allows the user to connect eight cabinets to a 2 ohm capable amplifier.

Two-way high performance, high end loudspeaker system loaded with an 8", 1¾" voice coil, parabolic dome low-mid chassis and a ring radiator compression driver with a 2" voice coil and aluminium diaphragm connected to a 90° x 60° W.T.L.L. Horn.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
LUNARAY	16	300	600	100	126	75Hz - 20kHz	1.25kHz	- / 100Hz	90 x 60	242 x 542 x 265	19



# Planet Suite Lunaray

Homogeneous coverage and constant crossover, in conjunction with an external controller, provides time and phase optimisation or to be precise the realisation of the complex transfer function through the installation of a whole chain, (Must be in combination with a Cred 2-4 controller).

Trapezoidal enclosure with threaded inserts for wall/ceiling cradle LA-WC and line array fittings L-FS.

Manufactured from 18mm plywood with internal metal bracing and finished in durable hardwearing anthracite textured paint. Black powder coated perforated steel grill faced with reticulated acoustical foam and a steel logo.

This very compact enclosure's lowest reproducible frequency is still 75Hz at -3dB with a maximum sound pressure level of 126dB!



Shown with LC-2 ATA Case

Model	LC-2
H x W x D (mm) Inc Castors	793 x 673 x 363





# TRS Touring System

Enjoying overwhelming popularity, this high performance touring system has gained an enviable reputation amongst the industry's leading PA and hire companies.

TRS epitomises OHM's expertise in build quality.

## TRS-112 & TRS-115 FLOOR MONITORS

Both cabinets can be used as floor monitors or a front of house system. This is achieved by the cleverly designed cabinet profile. Equally at home as full range enclosures, or incorporated into two-way systems as mid-high packs in a sub/sat system. Cable connector concealment, always the weak point of any monitor design has been cleverly recessed into two pockets enabling the cables to be connected, easily accessed keeping the cable management neat and tidy.

Multi-tasking is made complete by the built in flying points and aluminium top hat, totally compatible with the OHM hardware range.

TRS-112 houses a 12", 2½" voice coil, bass driver and a 1" compression driver mounted on a 90° x 40° horn flare whilst the TRS-115 uses a 15", 3" voice coil, bass driver and 1½" compression driver mounted on a 60° x 40° horn flare.



Model	Impedance (ohms)	Power Handling AES Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
TRS-112	8	300	600	100	124	83Hz - 19kHz	1.9kHz	- / 70Hz	90 x 40	575 x 398 x 295	24
TRS-115	8	500	1000	100	126	85Hz - 18.5kHz	1kHz	- / 60Hz	60 x 40	700 x 506 x 348	36



# TRS Touring System

## TRS-112 & TRS-115 XC Flight Cases

TRS to date is the most popular monitor series that OHM has produced. To protect the investment that customers have made in our equipment OHM are manufacturing ATA flight cases for some of our popular products including TRS-112 and TRS-115.

With both sizes being catered for, named 'XC' cases each contains two monitors. When the lid is removed from a loaded case the two cabinets are stood on end making the handles accessible for easy removal, the voids created by fitting the cabinets back to back are utilised as cable storage compartments.

An array of strategically placed handles and castors, braked and unbraked, make the case easily manoeuvrable.

Heavily constructed using premium grade 9mm plywood, heavy duty extrusions, handles, castors and ball corners make these cases extremely suitable for the rigours of the road.

An ATA specification dish is fitted as standard with label supplied separately for case identification.



Model	Handles	Catches	Castors Braked	Castors Unbraked	Colour	Dimensions Inc Wheels H x W x D (mm)	Weight Empty (kgs)	Weight loaded with two monitors (kgs)
TRS-112 XC	8	4	2	2	Black	787 x 777 x 471	32.5	80.5
TRS-115 XC	8	4	2	2	Black	936 x 884 x 600	45	117



# TRS Touring System

OHM has a reputation for producing bass enclosures that 'perform'. In particular our expertise has been in bandpass and horn loaded enclosures. Horns are of particular interest using physics to increase the performance of a given loudspeaker. The advantages of this design is greater SPL which in turn results in less amplifier power requirement. The additional TRS newly developed cabinets will be of particular interest for use where there is limited power supply available or budget constraints.

## TRS-112H

By utilising the latest design softwares we were able to develop compact designs with stunning performance. The low mids are handled by a 12", 2½" voice coil, loudspeaker mounted on the proprietary horn. High frequencies are created with a unique coaxial compression driver featuring separate 3" and 1¾" coil diaphragm assemblies on a common throat device terminating onto the 1½" custom polyurethane moulded horn flare, all mounted in a trapezoidal cabinet.

## TRS-118

Exactly half the size of the TRS-118H and with the same frontal area as the TRS-112H, this reflex loaded 18", 4" voice coil cabinet offers added flexibility to the OHM range of subwoofers.

## TRS-118H

TRS-118H is the same physical size as the TRS-218 with matching performance by embracing horn loading. The component speaker is our well proven C18-220 but mounted in a horn loaded configuration. The advantages of such a design is light weight and less amplification requirement for the same SPL.

Pre-fitted for ST-CP castor pack. These can be factory or retro fitted for use with TRS-118HTD transport dolly.

All enclosures have all the usual OHM embellishments.



Model	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HF	8	280	560	116	142	100Hz - 21kHz	-	- / 1.2kHz	70 x 40	576 x 567 x 600	52
TRS-112H	8	500	1000	108	136			1.2kHz / 100Hz			
TRS-118	8	650	1300	99	126	33Hz - 111Hz	N/A	95Hz / 30Hz	N/A	576 x 576 x 746	52
TRS-118H	8	650	1300	99	126	49Hz - 105Hz	N/A	100Hz / 40Hz	N/A	1156 x 576 x 746	78





# TRS Touring System



## TRS-212

Designed as a high performance mid-high enclosure, the TRS-212 houses two high powered 12", 2½" voice coil woofers and a 1½" compression driver mounted on a 60° x 40° CD horn. Five hundred watts of RMS power handling manifesting into 135dB maximum SPL.

## TRS-218

Although not dedicated, this enclosure ideally matches the TRS-212 seamlessly as a sub/sat system. This mighty subwoofer can perform.... and then some, having gained an enviable reputation at worldwide dance and live events. This twin 18" beast benefits from horn loaded, reflex design and bandpass technology, to deliver gut wrenching bass, boasting a killer SPL figure at 136dB maximum

Punishing road use requires the most durable of cabinetry. All TRS cabinets are finished in eco friendly anthracite paint, which contributes greatly to the proven longevity this product enjoys. Ergonomic handles, and good overall portability assist the user during transport and set up. Pre-fitted for ST-CP castor pack option. Dual Speakon compatible connectors are fitted throughout, an EP-5 option is also available on request.

Recommended controller CRED 2-4.

For three-way operation, bi-amp modules can be factory-fitted to the TRS-212 cabinets, recommended controller CRED 2-6.

Both cabinets can be factory or retro fitted for transport dollies, TRS-212TD - TRS-212  
TRS-218TD - TRS-218.



TRS-218 shown with TRS-218TD

Model	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
TRS-212	4	625	1250	106	135	80Hz - 20kHz	1.4kHz	- / 110Hz	60 x 40	946 x 568 x 445	54
TRS-218	4	1250	2500	104	136	30Hz - 300Hz	-	110Hz / 30Hz	-	576 x 1156 x 746	104



# HD Series Arena System







# HD Series

## Arena System

### HIGH DEFINITION, MODULAR, NO COMPROMISE, STADIUM SYSTEM.

The HD stadium system addresses the requirement for creating audible high SPL performance where space and logistics are an issue.

Designed with professional stadium tours in mind, ground stack or fully flown, HD is a tour de force to be reckoned with. All three enclosures are compatible, sharing the same frame size, common rigging points and ground skate.

- ① Constructed from birch plywood with integral metal braces
- ② Kick-proof steel grill faced with black reticulated foam
- ③ Ten ergonomically placed carry handles ease mobility
- ④ Finished in a durable hardwearing anthracite textured paint

### HD-FR

Primarily designed as a short throw enclosure for hanging under a long throw array, HD-FR is also ideal as a side-fill or high power drum monitor.

Bottom end is handled by an 18", 4" coil, bass speaker. A 15", 4" coil, provides low-mid coupled to a 2" plus 1" Neodymium compression driver on a custom designed CD horn for sparkling highs.



HD-FR	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HF	16	150	300	114	139	40Hz - 23kHz	7kHz	- / 800Hz	60 x 40	1156 x 578 x 856	107
LOW-MID	8	875	1750	103	134		-	800Hz / 180Hz			
LOW	8	875	1750	102	133		-	180Hz / -			





# HD Series

## Arena System

### HD-MH

A long throw horn loaded system. Particular attention has been paid to the use of composite three layer fibreglass process back filled with expanded polyurethane foam making for a very rigid, resonant free construction.

Heat sinks directly attached to the rear of 2 x 10" high power chassis drivers and a 2" plus 1" Neodymium coaxial mid-high compression driver, ensure cool running and low power compression performance. High efficiency is achieved through the use of mid range phasing plugs, mounted on a proprietary multi-cell horn flare.

### HD-BB

Having developed two amazing enclosures, Ohm set themselves the challenge of producing a high power subwoofer in the same housing as the other cabinets in the HD range, resulting in the HD-BB.

Loaded with four high power 18", 4" coil, cast chassis drivers in a sixth order compound bandpass design, provides an awesome, robust platform for the rest of the HD system.



HD-MH	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HF	16	100	200	116	145	90Hz - 23kHz	-	- / 7kHz	40 x 20	1156 x 578 x 856	109
MID	16	180	360				-	7kHz / 900Hz			
LOW	4	500	1000				-	900Hz / 110Hz			
HD-BB	Impedance (ohms)	Power handling RMS watts	Programme watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions H x W x D (mm)	Weight (kgs)
HD-BB	2 x 4	3000	6000	104	140	37Hz - 130Hz	-	110Hz / 30Hz	-	1156 x 578 x 856	133.5



# HD Series

## Arena System

### HD-FM

Completing the HD family OHM is proud to present its HD-FM Floor Monitor. Following current trends for creating attractive stage monitor designs we challenged our design team to develop a product that did not become a copy of current thinking.

#### They did not disappoint us.

Literally turning convention on its head we have created a cabinet that we term as 'stage furniture'. The inverted grill offers greater strength without 'popping' when an over enthusiastic musician uses the monitor as a foot rest or worst case a trampoline to launch himself into the audience. Cable connector concealment, always the weak point of any monitor design, has been cleverly recessed into two pockets enabling the cables to be connected,

easily accessed keeping the cable management neat and tidy.

The attractive sculptured design is aesthetically pleasing and in time we are sure that the product will adorn many a stage as embellishment instead of the 'black box' of necessity.

Two 12" speakers coupled to a coaxial compression driver featuring a separate 3" and 1 3/4" coil diaphragm assemblies on a single throat coupled to a proprietary 1 1/2" horn flare create stunning 139dB SPL loud and clear enough to keep up with the most competent front of house system.

Built in the fastidious way as all OHM products; finished in neutral black. A flight case HD-FMC is available housing two monitors.

Two 4 pole speakon compatible connectors allow for daisy chaining and Bi-amp connection. EP series connector option available.



Model	Impedance (ohms)	Power Handling RMS Watts	Programme Watts	SPL 1W/1m (dB)	MAX @ 1m (dB)	Frequency Response (-3dB)	Crossover	Active LPF / HPF	Dispersion	Dimensions * H x W x D (mm)	Weight (kgs)
MID-HI	16	150	300	116	139	55Hz - 21kHz	7kHz	- / 700Hz	60 x 40	446 x 710 x 660	45
LO-MID	4	750	1500	105	135		-	700Hz / 80Hz			

\* Dimensions as stood on the floor



# OYSTER

## Controller

OHM Oyster digital loudspeaker management system is a compact 1U rack space high 2-in 6-out audio processing unit. It is designed to be a cost effective processor suitable for background music in permanent installations or as a system processor for a small PA.

With 65kHz sampling frequency Oyster has a superior, class leading sound quality without distortion. Oyster is ideal for installations where a large number of different zones needs to be treated separately but managed centrally. Up to 10ms delay is available, ample for the time delays, for example between sub and top cabinets in a small PA.

I/O levels, delays, polarity, parametric EQs, crossover selections and limiters are accessible to the user via OHM Spyder control software. All the programming and control is simple to do with this dedicated PC software. With no front panel access unauthorized users can not change any settings making Oyster hassle free and safe to install anywhere. The large voltage range of the power supply enables the use of the Oyster anywhere in the world.

This entry model of the OHM controller family may be compact but is packed so full of features it feels right at home in so many different applications.



Inputs	Two
Input Impedance	10K $\Omega$
Nominal Input Level	+6dBu
Maximum Input Level	+22dBu
Input Gain	-48 to +12dB variable in 0.25dB steps
CMRR	Better than 50dB (30Hz - 20kHz)
Input Connector	Female 3 pin XLR, balance

Outputs	Six
Output Impedance	50 $\Omega$ (electronically balanced)
Maximum Output Level	+12dBu
Output Gain	-50 to +12dB
Output Connector	Male 3 pin XLR, balanced

Crossover Filter - Slopes	6, 12, 18, 24dB per octave
Crossover Filter - Types	Bessel, Butterworth or Linkwitz-riley

Delay	0 to 10 msec
Delay Step	15 $\mu$ s
Max Delay Time	10ms
Limiter	Zero-attack peak limiter with threshold adjustment in 0.25 dB steps

EQ Type	Parametric
EQ Frequency	20Hz to 20kHz variable in 1 Hz steps
EQ Gain	-12 to +12 dB variable in 0.25dB steps
EQ Width	0.06 to 4.75 Oc
PEQs per output:	10

GENERAL PERFORMANCE	
Frequency Response	20Hz - 20kHz
Sampling Frequency	65kHz
Dynamic Range	114dBA (D/A converter), 110 dBA (A/D converter)
Channel Separation	>75dB, 30Hz - 20kHz
Distortion (THD)	Distortion: 0.1%
Input Metering (+20dBu)	Signal = -48dB, Peak = +3dB relative to the nominal input level of 6+dBu

GENERAL INFORMATION	
Serial Connector	USB Port type B
Dimensions	482mm x 44mm x 128mm
Weight	3Kgs (unpacked)
Mains Power	180 - 260 V AC, 50-60Hz~
Mains	3 Pin IEC Mains Socket
Consumption	<10watts
Fuse	T500mAL250V



# OHM

## CRED Mk2

# Controller

**An essential and comprehensive arsenal of digital tools for the system designer. This loudspeaker management system is an intuitive aid for today's sound engineer.**

Working from user feedback, OHM has developed the Mk2 CRED 96kHz digital system controller aimed at the absolute pinnacle of the market offering unprecedented sonic performance and accuracy. Requiring only 1U of rack space, CRED equips the system designer with full control over system parameters. Whilst in the digital domain, the user can control parameters, gain structures and fully assign multiple parametric EQ's to both its two inputs and four or six outputs, dependant on model.

CRED assists by keeping absolute performance dynamics in check from start to finish by monitoring, protecting and optimising the system. The controller also facilitates fully configurable crossover set up. All the usual filters are available with the additions of 4th and 8th Hardman crossover filters.

The controller can be accessed and set up via the Dynamic User Interface D.U.I.™. This means that unlike its predecessor, there is no more "pickin chicken" making programming fast, effective precise and intuitive. Programming the CRED can also be achieved via a PC.

The CRED Mk2 comes pre-loaded with pre filtering parameters for all the Planet Suite, BR, HD and TRS enclosures allowing plug-and-play operation of OHM's latest loudspeaker systems.



Inputs	Two (Cred 2-4 & Cred 2-6)
Input Impedance	>10K Ohm electronically balanced
Maximum Input Level	+20dBu
Outputs	Four (Cred 2-4) or Six (Cred 2-6)
Output Impedance	<100 Ohms ground balanced
Maximum Output Level	+20dBu into 600 Ohms or greater
Sample Rate	96kHz
Frequency Response	10Hz to 40kHz, $\pm 1.0$ dB (filters disabled) 10Hz to 20kHz, $\pm 0.25$ dB (filters disabled)
THD	<0.01%, (+10dBu, 20Hz to 20kHz, 30kHz bandwidth)
Dynamic Range	>111dB (A weighted, 22kHz) >108dB (un-weighted, 22kHz)
Serial Comms Data	38.4kbaud, format: 8 data, 1 stop, no parity

LP / HP Filter Type	12, 18 & 24dB / octave Bessel and Butterworth, 12, 24 & 48dB / octave Linkwitz-Riley and 4th or 8th order Hardman
Maximum Delay	Input 400ms, Output 80ms
Limiter	High performance limiter, adjustable threshold in 0.2dB steps, automatic time constants
EQ Frequency	10Hz to 25kHz, 1/36 octave steps
EQ Gain	+15dB to -15dB, 0.2dB steps
EQ Width	5.0 to 0.1 octaves bandwidth, 1/36 octave steps

PROCESSING	
Gain	+20dB to -80dB and mute, 0.2dB steps
Output Channel Source	Input A, Input B and SUM
HP Filter Frequency	Off, 10Hz to 25.4KHz, 1/36 octave steps
LP Filter Frequency	10Hz to 25.4kHz and off, 1/36 octave steps

CONNECTORS	
Audio Inputs	3 pin female XLR
Audio Outputs	3 pin male XLR
Serial Comms	9 pin female 'D type'
Network Comms	Future option
Mains	3 pin IEC
Mains Power	Universal switch mode PSU, 85v to 250v AC, 50/60Hz Audio
Consumption	<25 Watts
Dimensions (mm)	44 x 482 x 254 (H x W x D)
Weight (kgs)	2.7



# CFU Amplifiers

**A well mannered amplifier should accept an input, drive it into a connected load without any extra noises, distortion or speaker threatening DC failures and definitely no expensive vacations to the repair shop.**

User error should be met with quiet protection, not with system destroying violence.... and it has to sound good. These are the simple criteria that form the basis of the CFU amplification philosophy.

Some industry leading models may sound wonderful, others may be tough, but only a handful of certain products combine subtlety and delicacy of audio performance with brute power and reliability.

CFU fall into this category with unparalleled audio performance and behaviour in adverse conditions. Behind the elegant facia, an unusually large number of output transistors and massive power supply are at the heart of the design. Many designers specify the transistor compliment by the maximum that can be wrung from each device ignoring the fact that good behaviour at the limit is critically dependent upon transistor-die area and sufficient heat removal. CFU amplifiers use a very large number of output devices per watt attached to proprietary heat sinks, optimised aero-dynamics, and twin thermally controlled, proportional speed cooling fans.

The two ohm capability and massive power output enhances the versatility of this range of amplifiers. Perfect for powering the full range OHM speakers and subwoofers.

The front of the amplifier features left and right illuminated 27 indent gain controls. The extinguished LED in the right hand knob indicates that the unit is in bridge mode. An array of status LED's indicate output, clip and protect modes. The backlit blue Ohm logo signifies that the amplifier is switched on. A heavy duty mains switch completes the panel layout.

Balanced line inputs and links are provided on industry standard Neutrik® XLR connectors, for fixed installations a barrier strip is provided. Slide switches offer three gain options, a simple 100Hz low pass filter, Stereo, Bridge, Parallel options and an earth lift. Outputs are via Neutrik® Speakon connectors and binding posts providing multi connection options including Bridge and Bi-amp. Mains inlet is by way of a fixed power cable. The whole unit is protected by a circuit breaker.

CFU amplifiers provide loudspeaker DC, over temperature, short circuit and over current limiters as standard.

Attractively styled, reliable and tough, ready for static installation or life on the road. When all the reasoning and debate that goes into the design of a product is put to one side, what must remain is performance. Nothing less than raw power under total control, nothing less than consummate sonic artistry combined with uncompromising muscle will do. This is what the CFU Series is all about.

**"VELVET SOUND IN AN IRON GLOVE"**





# CFU Amplifiers



MODEL	CFU-A0	CFU-A1	CFU-A2	CFU-A3
Output 8 Ohms 1kHz THD<0.1% Stereo Mode	2 x 70W	2 x 220W	2 x 650W	2 x 880W
Output 4 Ohms 1kHz THD<0.1% Stereo Mode	2 x 135W	2 x 400W	2 x 1100W	2 x 1500W
Output 2 Ohms 1kHz THD<0.1% Stereo Mode	——	2 x 600W	2 x 1600W	2 x 2200W
Output 8 Ohms 1kHz THD<0.1% Bridge Mode	230W	800W	2200W	3000W
Output 4 Ohms 1kHz THD<0.1% Bridge Mode	——	1200W	3200W	4400W
Frequency Response @ 1 Watt Into 8 Ohm	20Hz-20kHz +0, -0.3dB			
Input Sensitivity	0.775V/1.1V/26dB			
THD+N	<0.02%@1kHz			
Damping Factor @ 400Hz into 8 Ohm	>500			
IMD into 8 Ohm Unbalanced	<0.02%@100W			
Input Impedance	>20k Ohm Balanced/>10K Ohm Unbalanced			
Signal/Noise (A-Weighted)	>100dB			
Crosstalk at rated Output 8 Ohms 1kHz	>60dB			
Class	AB	AB	H	H
Input Connectors	Combi Connector	Female XLR and Barrier Strip		
Link Connectors	Male XLR			
Output Connectors	Neutrik Speakon® connectors and Binding Posts			
Cooling	Continously Variable Speed Fan			
Indicators	-30dB, -15dB, -3dB Signal, Clip, Protect			
Protection	Short Circuit, DC Voltage, Turn On/Off Transient, Thermal, Limiter			
Power Supply	AC 230V 50Hz			
Dimensions (mm) (H x W x D)	44 x 482 x386	88 x 482 x 451	88 x 482 x 451	130 x 482 x 451
Weight (kgs)	10.5	20	25.5	30.2





# DSP Amplifier

## DSP-A3 AMPLIFIER

The DSP-A3 combines reliable Class H output stages, switch mode power supply and a fully featured DSP with Ethernet control. Weighing just thirteen kilograms ideally suited for touring systems.

Featuring a forty eight bit 96kHz AD/DA converter and a DSP system providing filtering, up to two seconds of delay, equalisation and limiting functions. Setup, monitoring and controlling can be done locally or by use of the inbuilt Ethernet communications system.

Adjustments and faults can be monitored via a Windows based computer over a local area network or via the Internet remotely.

The user interface shows the DSP functionality just like an analogue unit with one-to-one portraits of every control. IP addresses are automatically allocated to each amplifier. Settings can be saved to memory and recalled on demand. Software updates can be downloaded via the Internet.

Software CD and PowerCon lead provided.



Output 8 Ohms 1kHz THD<0.1% Stereo Mode	2 x 1100W
Output 4 Ohms 1kHz THD<0.1% Stereo Mode	2 x 1700
Output 2 Ohms 1kHz THD<0.1% Stereo Mode	2 x 2500W
Output 8 Ohms 1kHz THD<0.1% Bridge Mode	3400W
Output 4 Ohms 1kHz THD<0.1% Bridge Mode	4200W
Frequency Response @ 1 Watt into 8 Ohm	5 Hz - 40 kHz +0, -0.3dB
Input Sensitivity	0.775V/1.0V/1.4V/2V
THD+N	<0.05%@1kHz
Damping Factor @ 400Hz into 8 Ohm	>600
IMD into 8 Ohm Unbalanced	<0.01%@100W

Input Impedance	>20k Ohm Balanced/>10K Ohm Unbalanced
Signal/Noise (A-Weighted)	>100dB flat, 103dBA
Crosstalk at rated Output 8 Ohms 1kHz	>60dB
Class	H 3 Steps
Input Connectors	Female XLR
Link Connectors	Male XLR
Output Connectors	Neutrik Speakon® connectors
Cooling	Continuously Variable Speed Fan
Indicators	Signal, Peak, Clip, Protect
Protection	Short Circuit, DC Voltage, Turn On/Off Transient, Thermal, Limiter
Power Supply	AC 230V 50Hz (PowerCon Lead Supplied)
Dimensions (mm) (H x W x D)	89 x 483 x 455
Weight (kgs)	13



# Patch Panel

## PP-1 PATCH PANEL

To complement the DSP amplifier, a matching two unit high Patch Panel is available which can be used to configure mains management, inputs, outputs and DSP LAN.

Mains is supplied via a trailing male single phase C32 socket and distributed to four Neutrik® Powercon outlets. There are LED indicators for phase and earth integrity and an isolator switch.

To prevent power surges the mains outlets operate via a sequencer activated by a single front mounted switch.

Sixteen dual Pomona sockets mounted on the rear of the enclosure provide a 'user assignable matrix' to connect the ample array of front mounted Neutrik Speakon®, 4 pole and 8 pole connectors.

An internal Ethernet switch gives PC access for up to four DSP amplifiers by way of RJ45 connectors. Two USB connectors are provided for the connection of a gooseneck LED light or other USB devices. Neutrik® XLR inputs and links give the patch panel complete user versatility. Robust and ready for the road, this unit is designed to be housed in the OHM UC-8U and UC-10U racks with up to four DSP Series amplifiers.



Power Input	Protection	Power Input Connector	Indicators	Power Output Connectors	Output Connectors	Link Connectors	Signal Connectors	Assignable Matrix	Ethernet Connectors	USB
AC 230 50Hz 32A	MCB 1 x 32A	C32 Male Socket	Live, Neutral, Earth Sequencer 1 to 4	4 x Powercon NAC3MPB®	4 x NL4MP® 2 x NL8MP®	Male XLR	Female XLR	8 x Pair Pomona Sockets	RJ45	USB Connection

Supplied with:	16 x Pomona Plugs	1 x C Form Socket	2 x USB Gooseneck Light	Optional Equipment:	Ohm UC-8U ATA Flightcase	Ohm UC-10U ATA Flightcase
2 unit high with rear mounting support brackets to fit Ohm UC-Series flight cases.				Size H x W x D 89mm x 483mm x 455mm	Weight 9kgs	Finished in standard Ohm livery





# Power Distribution Unit

## PD-1 POWER DISTRIBUTION UNIT

Designed to fit into the new OHM proprietary flight case, the 8U Power Distribution Board has a three phase 63 Amp input and output, three phase circuit breaker, six 32 Amp single phase outputs, one 13 Amp UK socket and a European shuco outlet as well as an earth terminal.

Each of the 32 Amp outlets is fitted with an isolator, digital voltage and current meters. A USB socket is provided for a USB gooseneck LED light or other USB device.

All housed in a robust metal case finished in OHM standard livery.



Accessories 1 x USB gooseneck light on USB connector  
Full compliment of Ceeform connectors

Optional Accessories UC-8U Series flight case

Mounted in the UC-8U Ohm flight case

Power Supply	Protection	Power Input Connector	Indicators	Power Outputs	Auxiliary Outputs	Dimensions H x W x D (mm)	Weight (kgs)
AC 3 Phase 380 ~ 415V 50Hz	MCB 1 x 63A MCB 6 x 32A	C63 Male Socket	6 x Voltage Meters, 6 x Ampere Meters	1 x C63 Female Socket 6 x C32 Female Sockets 1 x 13A UK Socket 1 x Schuco Socket	1 x USB Socket (5V)	356 x 483 x 455	23.4





# UC Flight Cases

## UC FLIGHT CASES

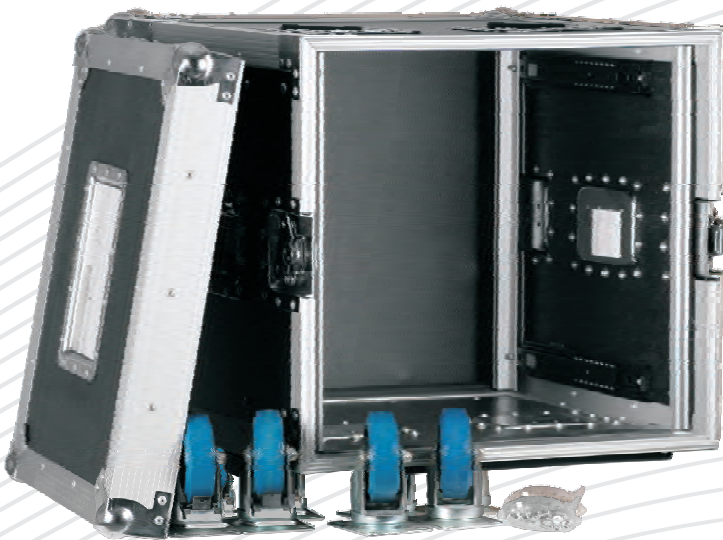
**Life on the road is tough! To protect the investment you have made in your sound equipment, OHM are able to supply a range of “off the shelf” heavy duty ATA flight cases.**

Made from 9mm plywood, utilising OHM proprietary nickel plated hardware, anodised extrusions and finished in laminate.... attractive and durable.

The product range, though not dedicated, is designed to house and protect the OHM range of products. Each case is fitted with flip handles, butterfly catches, ball corners, feet, and they also come supplied with an appropriate number of fixing bolts and washers. A special feature is the inclusion of an ATA specification dish and label (label supplied loose). The preprinted label has a transparent window allowing customisation by placing one's company logo underneath.

UC standard cases have a removable front and back as well as adjustable rear supports. There are six handles to enable easy handling of the flight case along with four castor wheels, provided loose to allow for fixed installations or life on the road.

A full bespoke flight case service is also available.



Model	Handles	Catches	Castors Braked	Castors Unbraked	Colour	Dimensions Inc Wheels H x W x D( mm)	Weight Empty (kgs)
UC-8U	6	4	2	2	Black	400 x 535 x 780	33
UC-10U	6	4	2	2	Black	485 x 535 x 780	35



# Hardware

					
M-AC	LA-WC	L-FF	LFS		
					
T-BAR	KC-1 and KC-3	BC-8	BC-5 and BC-6	HWB	
					
TH-1	S-SA				
					
					
					
BWB	EP-5A				
					
SC1-0.5	SC1-5.0	LC1-1.5	LC1-5.0	LC1-10	



# Hardware Applications

To complement the range of loudspeaker enclosures, OHM has always had the philosophy of providing the right hardware to install their products aesthetically and safely.

● Optional      ○ Fitted as standard

Important note: In addition, OHM recommend the use of an independent second fix with all hardware in the unlikely event of component failure or fixing failure. Irrespective of whether or not this is a requirement by the local authority, it is good and safe practice.  
E & O.E.

	BWB BootiQue L shaped wall bracket, tilt or pan	KC - 1 KS - 1 Wall, ceiling cradle	KC - 3 KS - 3 Wall, ceiling cradle	BC - 5 BR - 5 Wall, ceiling cradle, complete with handwheels	BC - 6 BR - 6 Wall, ceiling cradle, complete with handwheels	BC - 8 BR - 8 Hanging cradle, complete with handwheels	BR-7SA Swivel stand adaptor for BR-7	S - SA Stand mounted swivel adaptor	EP - 5A Cannon EP5 option, replaces speakons	HWB Horizontal pan and tilt wall bracket	SWB Small pan and tilt wall bracket	LWB Large wall bracket fitted with a 35mm spigot	W - SA Pan and tilt adaptor for LWB, replaces spigot	TH - 1 Cast aluminium top hat	SS - 1 Heavy duty adjustable tripod speaker stand, 35mm	TP - 1 Adjustable pole and threaded mounting plate	CFEK Set of 3 flying eyes	CFPK recessed flying points	ST - CP Castor pack for TRS - 218 / BR - 218B, Inc. Hardware	M - AC Moon tilt and turn adjustable cradle	T - BAR Moon twin cabinet adaptor fits 35mm accessories	EMN-FF Flying frame including patch panel for Ersa Minor	EMN-SA Quick release swivel stand adaptor for Ersa Minor	LA - WC Lunaray wall / ceiling mounted cradle	L - FS Lunaray flying system / one set per cabinet required	L - FF Lunaray flying frame for flying multiples of Lunaray
BootiQue	●							●		●	●				●											
KS - 1		●						●		●	●				●											
KS - 3			●					●		●	●				●											
BR - 5				●				●		●	●				●											
BR - 6					●			●		●	●				●											
BR - 7					●		●																			
BR - 8						●			●			●	●	○	●											
BR - 9									●			●	●	○	●											
BR - 10									●			●	●	○	●		●	○								
BR - 12									●			●	●	○	●		●	○								
BR - 15									●			●	●	○	●		●	○								
BR - 15B									●			●	●			●										
BR - 18B									●			●	●			●			●							
BR - 218B									●			●	●						●							
MOON									●			●			●			○		●	●					
MOON SUB									●			●				●		○								
SATURN									●			●		○	●		●	○				●	●			
ERSA MINOR									●			●														
LUNARAY									●			●														
TRS - 112									●			●	●	○	●		●	○						●	●	●
TRS - 115									●			●	●	○	●		●	○								
TRS - 112H									●			●	●				●	○								
TRS - 118									●			●	●													
TRS - 118H									●			●	●						●							
TRS - 212									●			●	●				●	○								
TRS - 218									●			●	●						●							
HD - FM									●			●	●						●							





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