

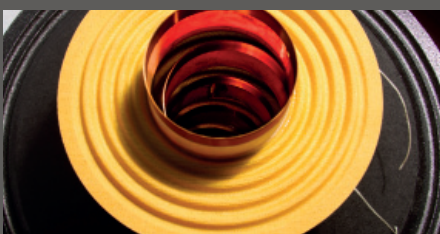
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Introduction



For over 40 years, Ohm has produced loudspeakers that have received industry acclaim as well as the appreciation of their discerning owners. We haven't shouted about it, going quietly about our business, letting our quality products speak for us. You see, Ohm people are craftspeople, building amazing products by hand in the UK.

It's no wonder that our hire partners choose Ohm over companies that import their products and spend their money on advertising. We prefer to invest in exceptional design, unbeatable British quality manufacturing and above all a crisp, immensely capable range of loudspeakers that confidently outperforms other products.





You can find Ohm products all over the world on international tours, in theatres, nightclubs, opera houses, museums, restaurants, schools, theme parks; in fact any place where quality sound is essential. We are serious about sound and if you are too – the choice is Ohm.

Take a look through our new catalogue, containing familiar favourites, as well as some new products which we know you'll want to hear.

Ohm loudspeakers are made in the UK to last, but the best test of all is how they sound. Call us up for a listen.

serious about sound

British Professional Audio



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serious about sound

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Installation



Carolus Borromeuskerk - Antwerp, Belgium

Uhm



Image: Gwenny Eeckles ©2014

Total clarity for Installation

No two spaces are the same.

Our superb hand-built speakers have quality components which are designed to interact in subtle ways with the space around them. When you purchase an Ohm sound system, we pay special attention to this environment, ensuring the best possible system performance through our forensic optimisation process. It's just another example of how we go further in bringing your Ohm sound system to be the very best it can be, wherever it lives.

All over the world, from nightclubs to concert halls, there are Ohm sound systems delivering vibrant high-quality sound from people who care about their product, along with where it has to perform.

CT-6 & CT-26

total clarity series

So how do you make your venue better than all the rest? Many discerning customers now choose to spend their money where perfect ambience is enhanced by an effortless and relaxed sound. A stress-free sound is enjoyed when you don't have to push a system. With Ohm's Total Clarity series, we have designed a set of elegant, supremely capable speakers which reflect the attention you pay to your venue. And despite their high quality, effortless performance, Total Clarity speakers are surprisingly affordable.

The CT-6 is a discreet yet powerful performer, with that relaxed sound that can wash over your venue with ease. If you want the music to be even more prominent, you can choose the CT-26, with even more control to the low and mid range sound. With its special D'appolito driver arrangements, sound is delivered in total clarity to where

it's needed, with no bouncing off the floor and ceiling. Keep it low, or pump it up - the only bouncing around will be from your customers. Standard in black and white. These cabinets are also available in RAL colours on request.



CT-6



CT-26



CT-8



Key Features: CT-6 & 26

- **High quality sound** in a cost effective solution for background music systems
- **Accurate dispersion control** minimises reflection and improves clarity
- **Multiple mounting points** for ease of use
- **Great bass response** can be even further enhanced with CS range subs

Key Features: CT-8, CT-10, CT-12 & CT-15

- **Rotatable horn** with several mounting points for flexible installation
- **Extended bass response** eliminates the need for extra subwoofers in smaller venues
- **Ultra reliable** Ohm drivers with prolonged lifespan
- **Create high power systems** easily by adding large Ohm subwoofers



total clarity series

CT-8, CT-10, CT-12 & CT-15

If you have a room where space is tight, or the venue is just plain odd, don't worry - you can still deliver a mighty Ohm sound. Total Clarity delivers huge low frequency performance right across the range meaning you don't have to squeeze in unwieldy subwoofers into your venue to get the sound you need.

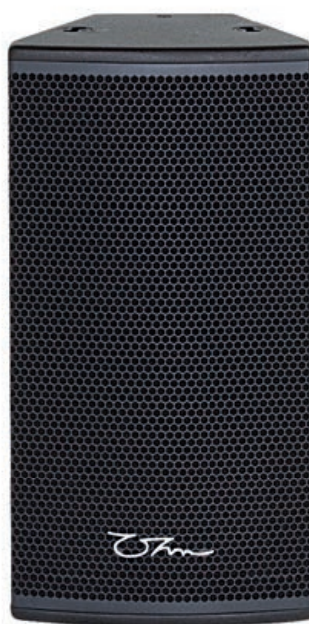
With that challenging space of yours, you'll want to get that big Ohm performance into every nook and cranny. Guess what? Our innovative rotating horns can disperse sound where you need it, so everyone gets to dance.

Whilst you're saving space, you also know your Total Clarity loudspeakers feature genuine Ohm drivers. These super-efficient drivers are ultra-reliable, and will outlast several governments.

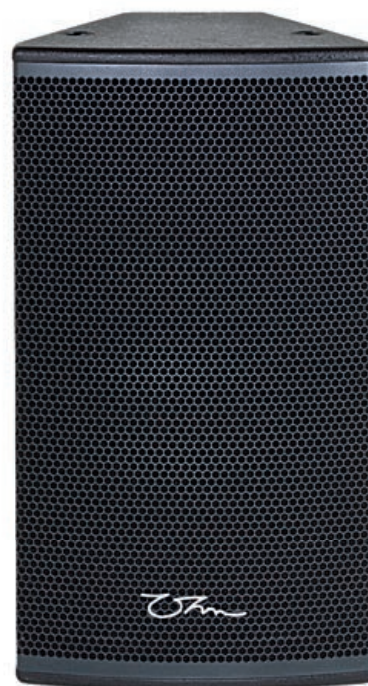
Today you can see flexible Total Clarity systems in flying, stacking, wall or pole-mounted configurations, allowing you to make the very best of your venue, whatever the shape.



CT-10



CT-12



CT-15



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-10dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CT-6	Mid-high	16	150 / 600 W	108 / 114 dB	87Hz - 17 kHz	100° x 40°	4	300 x 190 x 182.7
CT-26	Mid-high	8	250 / 1000 W	114 / 120 dB	90Hz - 17 kHz	100° x 40°	7	460 x 190 x 182.7
CT-8	Full Range	16	200 / 800 W	115 / 121 dB	70 Hz - 19 kHz	90° x 40°*	14.5	504 x 290 x 226.8
CT-10	Full Range	8	300 / 1200 W	123 / 129 dB	70 Hz - 19 kHz	90° x 40°*	19	574 x 320 x 260
CT-12	Full Range	8	450 / 1800 W	129 / 135 dB	55 Hz - 20 kHz	60° x 40°*	28	726 x 380 x 320
CT-15	Full Range	8	600 / 2400 W	130 / 136 dB	45 Hz - 20 kHz	60° x 40°*	38	806 x 450 x 427.9

*Rotational horn

serious about sound

CW-26 & CW-28

total clarity series

For high-quality, industry leading sound, the Total Clarity range is enjoyed by international performers and audiences alike. With the CW-26 and CW-28 top cabinets, we've been even more creative with built-in performance, value and durability.

These speakers have an extra wide sound dispersion up to 160 degrees (a normal cabinet has 90 to 100 degrees). This means more people get to enjoy the smooth and consistent sound, without dead spots.

We've designed the CW-26 and CW-28 to need less amplifiers – saving significant investment. Fewer amplifiers also means fewer possible failure points in any system, so your sound system is inherently more reliable.

High performance, internationally proven, wider dispersion, lowered costs, increased system reliability. Whichever way you think about it, these speakers are the business. Available in white or RAL colours on request.



CW-26



CW-28



Key Features

- **Wide horizontal** dispersion angles give smooth and consistent coverage
- **Flexible mounting options** for the wall, ceiling or pole mount.
- **CW-26 is arrayable** up to 4 cabinets vertically for customized coverage
- **High quality components** ensures virtually zero maintenance costs

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-10dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CW-26	Mid-high	8	250 / 1000 W	114 / 120 dB	85Hz - 18.5 kHz	120° x 40°	12	200 x 460 x 255
CW-28	Full range	8	400 / 1600 W	122 / 128 dB	65Hz - 18.5 kHz	160° x 40°	21	354 x 460 x 360




total clarity series

CS-208 & CS-212

Sometimes it's better to be understated, cool and surprise people with just how good you are. OK, enough about you, we have a product which does just that.

If you're tight on space in your venue, but you want a great sound with lots of energy, depth and punch, in the past you may have had a problem. With no room for thumping great subwoofers, what is the solution?



CS-208 


Supporting all sizes of Total Clarity configurations, the CS-208 and CS-212 can sit happily out of sight and under a seat, giving you a sound that larger venues with huge cabinets could only dream of.

Cool, understated, packs a punch – sound familiar?

Key Features

- **Quality Ohm drivers**, custom built in the UK for guarantee trouble free performance
- **Ideal for under seat** placement due to carefully considered size and proportions
- **Punchy, crisp** and deep bass extension
- **Integrates perfectly** with Total Clarity mid and high cabinets



CS-212 

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CS-208	Subwoofer	8	250 / 1000 W	122 / 128 dB	55 Hz - 130 Hz	Omni	20	259 x 600 x 450
CS-212	Subwoofer	4	400 / 1600 W	125 / 131 dB	50 Hz - 110 Hz	Omni	35	358.3 x 790 x 550

serious about sound

CS-15 & CS-18

total clarity series

When you need to look your best you buy that tuxedo. When you need to sound your best, then you need the power of our mighty subwoofers. Acquiring a pair of CS-15's or CS-18's is your acoustical tuxedo. With Ohm's CS-15 and CS-18 subwoofers, you can be sure of seamless integration with Total Clarity tops creating perfect systems and sounding your best.



CS-15



More bang for your buck? Rental companies are finding that with the CS-15 and CS-18, they get the performance power of heavier units, but in a smaller package. All this saves money on transportation costs.

Whether installed or on the road, the CS-15 and CS-18 truly represent what Ohm is about – seemingly modest, British-built quality with a performance that outclasses bigger rivals.

Key Features

- **Bandpass design** delivers big sound from a smaller cabinet
- **Custom Ohm drivers** for durability and increased performance
- **Cost effective solution** for enhancing the system performance in small and medium applications.



CS-18



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CS-15	Subwoofer	8	400 / 1600 W	126 / 132 dB	50 Hz - 120 Hz	Omni	32	483.3 x 475 x 500
CS-18	Subwoofer	8	800 / 3200 W	131 / 137 dB	45 Hz - 130 Hz	Omni	48	584.3 x 576 x 600



total clarity series

CS-18H & CS-218

Are you ready for these? The biggest subs in the Total Clarity range can be found on the biggest stages, at festivals and concerts all over the world. But they do have a secret. Thump it out on the dance floor whilst remembering the extra money left in the budget!



The CS-18H custom horn loaded design revolutionises the performance of each 18" driver, whilst reducing amp requirements. You can connect up to eight of these heroic performers to a single amp!

With many live systems, the push for volume and low frequency performance is at the expense of clarity. Who wants to see their favourite artist lost in a fog of muffle? We think the CS-218 is the best reflex subwoofer around, delivering tight, accurate response with a powerful finesse.

CS-18H



CS-218



Key Features

- **High power designs** for every music genre - from electronic dance music to live rock & roll
- **High efficiency** minimises amplifier requirements and costs
- **Compatible** with any Ohm top cabinet for the flexible system options.



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CS-18H	Subwoofer	8	700 / 2800 W	133 / 139 dB	45 Hz - 120 Hz	Omni	72	1162 x 576 x 746
CS-218	Subwoofer	4	1400 / 5600 W	135 / 141 dB	37 Hz - 120 Hz	Omni	89	584.3 x 1156 x 746

serious about sound

Commercial



Maybach Museum - Neumarkt, Germany



Image: Ohm Europe ©2014

Sound Business

How does your brand sound? When your clients come to visit, their senses pick up subliminal clues about your organisation. Background ambiance is hard to get right, but it's not only about whether it is too loud or too soft, the sound has to be crisp, accurate, authoritative and clear.

Our sound systems are currently installed in high-end hotels, illustrious museums, huge places of worship, conference centres, theme parks and many other complex applications. From vital information to relaxing, brand-enhancing sound, with Ohm your customers will hear how important they are.

serious about sound

CL-0T, CL-1T & CL-3T

cl series

For accurate, high performing background music, the CL-T series is perfect for retail to reception. Featuring models from ceiling subs, to speakers with fire domes, every application is catered for.

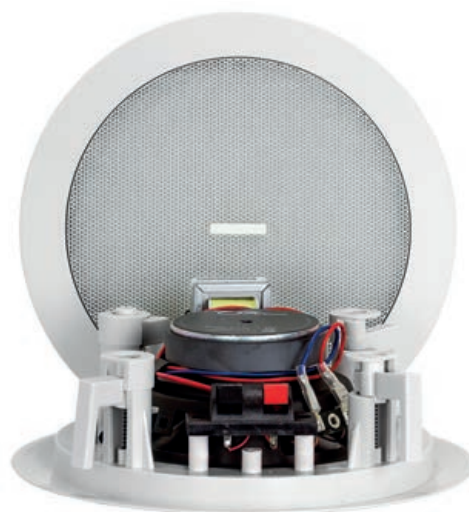


CL-0T



With a helpful quick-lock feature for speedy installation and easy maintenance, the CL-T range is practical too.

Whether you need small speakers for a shop, to larger systems for a lobby, the CL-T range has the accuracy and power you need.



CL-1T



CL-3T



Key Features

- **Quick lock system** for fast and easy mounting saves time and money.
- **Wide dispersion angles** maximises the cost efficiency and provide smooth coverage.
- **Models** for all applications

Model	Type	Tappings (Watts)	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CL-0T	Full range	3, 6	8 / 100 V	6 / 24 W	93 / 99 dB	110 Hz - 20 kHz	140° Conical	0.42	Ø103 x 80
CL-1T	Full range	0.8, 1.5, 3, 6	8 / 100 V	15 / 60 W	99.5 / 105.5 dB	80 Hz - 20 kHz	140° Conical	0.9	Ø203 x 86
CL-3T	Full range	0.8, 1.5, 3, 6	8 / 100 V	20 / 80 W	103 / 109 dB	60 Hz - 20 kHz	140° Conical	1.4	Ø273 x 100



cl series

CL-1TD, CL-2TD, CL-3TD & CL-SUB

When safety is a priority, the CL-TD series is the way to go. With built-in metal fire domes, critical announcements can still be made in emergency situations. The range also provides additional protection against the risk of the fire spreading through the speaker holes in the ceiling.

The CL-TD range is versatile, and may be used in a large formation, or even in small quantities. CL-TD tapings can be selected via the rotary switch. This allows flexible use as 100 Volt line component or as a low impedance unit without the need for 100V line amps or transformers.



CL-1TD



CL-2TD



CL-3TD



CL-SUB

The CL-SUB is perfect for when you also need strong low bass frequencies – such as in a fashion outlet. Delivering a balanced, non-stressed sound across your premises, the CL series is extremely adaptable, safe, and easy to install.

Model	Type	Tappings (Watts)	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
CL-1TD	Full range	2.5, 5, 10, 20	8 / 100 V	15 / 60 W	99 / 105 dB	150 Hz - 20 kHz	140° Conical	1.7	Ø203 x 145
CL-2TD	Full range	3,8, 7.5, 15, 30	8 / 100 V	30 / 120 W	102 / 108 dB	90 Hz - 20 kHz	140° Conical	2.2	Ø230 x 150
CL-3TD	Full range	5, 10, 20, 40	8 / 100 V	40 / 160 W	103 / 109 dB	50 Hz - 20 kHz	140° Conical	3.1	Ø270 x 185
CL-SUB	Subwoofer	N/A	8	50 / 200 W	108 / 114 dB	40 Hz - 200 Hz	Omni	4	Ø280 x 192

serious about sound

OS-12 Ohmnisphere

ceiling speakers

Whether it's for the visual aesthetic, or your focus on discretion, sometimes you need a ceiling speaker which goes to new heights. How can you deliver accurate, quality sound and keep the equipment out of sight? Wherever omnidirectional speech and music at high sound pressure levels are required, the OS-12 Ohmnisphere is excelling across the world.

With an amazing 360 x 140° dispersion pattern, the OS-12 Ohmnisphere provides constant smooth sound over large areas thus minimising the need for large amounts of equipment. Discreet, powerful and accurate coverage - a case of heard but not seen.

Today, the OS-12 is installed in airports, railway and bus terminals, gymnasiums, ice-rinks, factories, canteens and clubs, outperforming conventional ceiling speakers.



OS-12



Key Features

- **Full range performance** supports both music and speech material.
- **360 degree horizontal coverage** minimises the quantity of speakers, providing constant coverage
- **140 degree vertical coverage** delivers wide catchment areas, even from low installation heights
- **Available in black and white** with optional 100V line transformer.

Model	Type	Tappings (Watts)	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
OS-12	Full range	N/A	8	200 / 800 W	118 / 124 dB	65 Hz - 16 kHz	360° x 140°	17.5	Ø520 x 520
OS-12 100V	Full range	60 / 120 / 200	8 / 100V	200 / 800 W	118 / 124 dB	65 Hz - 16 kHz	360° x 140°	17.5	Ø520 x 520



subwoofers

HGW-8, HGW-10 & HGW-12

The HGW range of low profile subs are intended to be heard and not seen. The trend for high standard interior design in entertainment and catering venues requires subs to be incorporated in a concealed fashion without taking up valuable floor space.



HGW-8



HGW-12



HGW- 8 is made for retail and cafés and is used to supplement ceiling speakers and Boutique satellite.

HGW-10 is a more powerful sub and is used with the smaller CT cabinets up to CT-10. its low profile makes it ideal for under seating areas where space is a premium.

HGW-12 is a larger version of the HGW-8 making it more suitable for small restaurants or lounge bars where it is easy to build it into the furniture.

Colour options are available for any situation where the sub can't be hidden putting a smile on the interior designers face.

Key Features

- **Small size** makes these subs ideal for concealing in space restricted areas
- **Ideal for extending** bass in small back ground systems
- **Available in RAL** colors to blend with any interior design



HGW-10



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
HGW-8	Subwoofer	16	120 / 480 W	112 / 118 dB	55 Hz - 200 Hz	Omni	12	310 x 290 x 390
HGW-10	Subwoofer	8	250 / 1000 W	123 / 129 dB	55 Hz - 110 Hz	Omni	20	425 x 305 x 800
HGW-12	Subwoofer	8	300 / 1200 W	120 / 126 dB	44 Hz - 110 Hz	Omni	23	350 x 410 x 525

serious about sound

AS-5 & AS-8

as series

Uh-oh, it's raining! We thought we'd like the party to continue, whatever the weather, so we created weatherproof moulded plastic speakers, with carbon fibre drivers that can be used indoors and outdoors. Being Ohm, we've made sure the casing is super-thick, and way beyond what you'd see in other plastic speakers.



AS-5



This guarantees an amazing extended bass response to give a range of uses in smaller installations – without the need for subwoofers. Flexible coaxial drivers deliver smooth sound and constant performance right across your venue with a wide dispersion and flexible mounting options.

If you're really going to town, you can even use a 100V line transformer option for large distributed systems.

So from café to festival, use the AS-5 and AS-8, and let the rain – and the sound – wash over your customers.

Key Features

- **Plastic moulded cabinets** with carbon fibre drivers can be used both indoors and outdoors.
- **Three different backplate options:** Standard terminal, cable gland for IP54 rating, IP54 100V line transformer
- **Extended bass response** for full range use without subwoofers in various smaller applications.
- **Available** in black or white



AS-8



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
AS-5 / T*	Full Range	8	30 / 120 W	103 / 109 dB	95 Hz - 19 kHz	90° Conical	3.5	210 x 280 x 148.5
AS-8 / T*	Full Range	8	65 / 260 W	109 / 115 dB	65 Hz - 19 kHz	90° Conical	5.5	284 x 375 x 215

*T denotes 100 V transformer version. Please visit the website for tapping information



ks series

KS-1 & KS-3

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

The KS-1 is a compact 2-way power house given its size, the performance is truly impressive.

For the larger venue the KS-3 enclosure delivers extra high frequency performance 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 which is perfectly matched for use with the HGW or AS-B subwoofers.

Both cabinets are available with 100V transformers making it a viable option for larger distributed systems.



KS-1



KS-3

Key Features

- **MDF enclosure** for optimum stiffness. Perforated metal grill faced with reticulated foam
- **High grade components** for long term reliability and excellent sonic performance.
- **Available in attractive black and white finishes** to blend in with most architectural environments.
- **Optional 100V transformer** model available designated KS-1T and KS-3T

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
KS-1 / T *	Full Range	8	60 / 240 W	102 / 108 dB	90 Hz - 20 kHz	100° x 100°	3.5	192 x 257 x 192
KS-3 / T *	Full Range	8	125 / 500 W	109 / 115 dB	75 Hz - 20 kHz	100° x 100°	5.5	248 x 350 x 234

*T denotes 100 V transformer version. Please visit the website for tapping information

serious about sound

VLA Column

vla column

Sometimes space is just too reverberant to have ceiling speakers or normal wall mounted speakers, these sleek aluminium extrusion are OHMs dedicated solution for these spaces. A two way cabinet which has an extremely flat phase response throwing the sound a long distance whilst keeping a tight control over the vertical dispersion.

Mainly designed for voice and background applications in large reverb spaces like hotel lobbies, churches, railway stations, exhibition halls. Another great application for this column is where there are limited options where the speakers can be mounted. With its far reaching smooth sound field it is as the ability to cover all areas,

Full RAL colour options are available on request to help blend the column into the surrounding décor.

Key Features

- **Tight vertical** dispersion control.
- **Full range drivers** produce smooth transitions for speech and music.
- **Available** as part of the VLA Active System (see page 30).
- **Aluminium extruded cabinet** available as standard in black and white with other colour options by request.



VLA



Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
VLA	Mid High column	4	200 / 800 W	121 / 127 dB	155 Hz- 11 kHz	10° x 70°	13	1000 x 160 x 160



satellite system

BootiQue Active System

An amazingly compact system built just for the purpose, the BootiQue is a 'set and forget' system designed for smaller venues such as shops, bars and bistros. It has built-in clever electronics which means you don't need the separate kit you'd otherwise have to get for the sophisticated sound you want.

If you're seeking an advanced background music system for a compact venue, and want quality sound without the fuss of separate amps, controllers and cables, then congratulations! You've found the BootiQue!

Play from any source including phones, tablets, CD players. And when you're off talking to customers, it has a handy long-range remote to give you the control you need.

In piano gloss white or black, up to 8 speakers are powered by the sub.

Small, stylish, uncomplicated and powerful – demo a BootiQue today.



Key Features

- **Built in electronics** free up space and eliminate messy cables
- **Play music** from several sources
- **Small and easy** to use long range remote controller
- **Wall Mounted control panel** allows the sub to be remotely located elsewhere in the venue



BootiQue
Active
System



serious about sound

AS-B Subwoofer

active subwoofer

The AS-B is an amazing subwoofer that packs three channels of power amplification into its small frame. Delivering amazing value for money, it's all you need to power small installations. The sub can be easily combined with different mid high cabinets.

You really can set and forget with the AS-B, as it has auto shut-off if it's unused for any period of time. The active subwoofer contains a pair of 10" bass drivers, powered by an internal 300 watt amplifier, in a reflex loaded enclosure to deliver rich deep bass.

The built in 2 x 200 watts mid-high amplifier is capable of driving several combinations of Ohm Satellite cabinets



The AS-B is so versatile, it can be used in conjunction with Boutique satellites, CT-6 and many other Ohm cabinets to create the perfect degree of power and sophistication required by boutique shops, small bars, lounge areas and high-end foyers.



AS-B



Key Features

- **Active subwoofers** with built in satellite amplifiers and electronics for one box solution
- **Gain and crossover controls** allow simple matching to any Ohm installation
- **Creates the perfect power** package for set up and forget background music systems.



active systems

Specifications

BootiQue Active System Specifications

Output 8 Ohms 1kHz THD <0.1% Stereo Mode	Bass Subwoofer 130 Watts Sat amps 2x60 Watts	Signal/Noise (A-Weighted)	>92dB
Output 4 Ohms 1kHz THD <0.1% Stereo Mode	Bass Subwoofer 180 Watts Sat amps 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		

BootiQue Speakers Specifications

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
BootiQue	Satellite	16	50 / 200 W	106 / 112 dB	150 Hz - 20 kHz	90° x 90°	1.75	140 x 140 x 132
BootiQue	Subwoofer	N/A	N/A	115 dB Peak	50 Hz - 150 Hz	Omni	27	342 x 330 x 500

AS-B Active Subwoofer Specifications

Output Power (1kHz THD <0.1%)	Mid-Hi 2 x 200 Watts @ 4 Ohm, Subwoofer 300 Watts @ 4 Ohm
Signal / Noise Ratio	>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

AS-B Speaker Specifications

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
AS-B	Subwoofer	N/A	N/A	123 dB Peak	48 Hz - 150 Hz	Omni	38	313 x 670 x 580

serious about sound

26

Active



George Browoski

Shm



Image: Christine Keating

Christine's Photos

Quality on the Move

Somewhere in darkest Cheshire, Ohm craftspeople have always striven to take the best loudspeaker innovations and make them work better. Louder, clearer, with even better quality. What many manufacturers forget is that even with quality components, sound can deteriorate significantly if you don't get the housing right. We are proud of our craft-built cabinets and they work alongside our production and use of the finest components to deliver an unstressed, quality sound that is chosen by prestige venues throughout the world.

This quality and attention to detail can also be found in our range of mobile active speakers. Active speakers have a built-in amplifier for easy set-up and transportation. But when choosing an Ohm product, you also get built-in quality..

serious about sound

Active-13

active series

Any venue where a band or DJ shows up can enjoy the power, clarity and quality of Ohm sound with these Active speakers. With built-in amplifiers and digital signal processor, you'll be confident your audience will love what you do – from speech to thumping anthems. In addition, you'll know that without the need for a separate amplifier rack, transportation and storage are reduced too.

With just two of these Active 13 beauties, you can perform full range for many uses. If you really want to pack that extra punch, and the club owner has understanding neighbours, you can also add an Ohm Active Sub and expand your emerging legendary status!

Stage monitoring is taken care of by way of the Active monitor version.



ACTIVE-MONITOR



ACTIVE-13



Key Features

- **Craft-built** robust wooden cabinets, using Ohm's unique 13.5" coaxial driver guarantee the best sound quality and longevity available against competing systems.
- **Four selectable pre-sets** for the optimal performance for any application
- **Active 13 cabinets are arrayable** providing constant coverage over 60 x 40 degree pattern
- **Active Monitor** has Asymmetric sides giving 45 and 60 degree angles.

Model	Type	Power Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)w	Dimensions H x W x D (mm)
Active-13	Full range	LF 400 W + HF 400 W	129 dB	60 Hz - 20 kHz	60° x 40°	23.5	507 x 470 x 315
Active Monitor	Full range	LF 400 W + HF 400 W	129 dB	60 Hz - 20 kHz	60° x 40°	23.5	558.3 x 410 x 350



active series

Active-SUB



ACTIVE SUB

Active Sub is designed to compliment the Active 13 cabinets. It is an extremely portable enclosure and has very high SPL with incredible bass extension for it's footprint.

When used with Active 13 this creates a very flexible and compact mobile system consisting of up to two tops and four subs per side.



Key Features

- **18" driver** in compact cabinet for ease of transportation.
- **Integral** 800 watt RMS Class D amplifier with built in DSP.
- **Can be used** as a stand-alone sub or with the Active 13 to make a portable system
- **Four selectable pre-sets** for flexible configuration

Active Model	Type	Power Peak (dB)	MAX SPL Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
Active-Sub	Subwoofer	800 W	131 dB	45 Hz - 105 Hz	Omni	34.8	758.3 x 525 x 450

serious about sound

VLA Column System

vla column

The other use for the VLA column is the compact line array style mobile DJ system. This is a pure plug and play system which comes in a “carrier bag” The perfect setup for mobile DJ use as it is easily portable fitting easily in a standard sized car. The package consists of two VLA columns and two VLA subs with all the necessary cables and carrying bags..

VLA Sub – Four by 8” bass column, powered by a 2 channel Class D amplifier. One channel powers the sub and the other the VLA column which fits to the top of the sub to provide an elegant portable system.

Utilising the same amplifier as the larger active cabinets this really packs a punch.

The OHM Activate back plate amplifier is a two channel, Class D unit with DSP control. This allows for different combinations of speakers to be used with the VLA Sub.

Key Features

- **The Vla Tops** are made from a rugged aluminium housing taking all the rigours of the road.
- **2 x 400 watts** for amplification of the sub/sat combination.
- **Four selectable pre-sets** for various different requirements.
- **Highly portable** mobile solution.



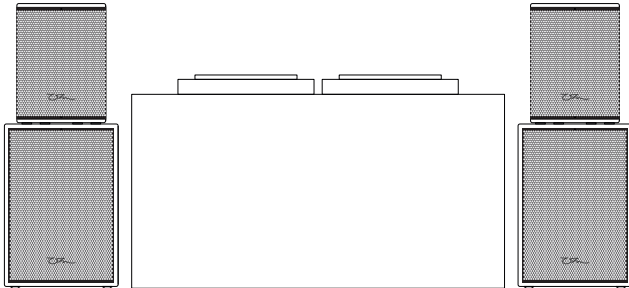
VLA
System



Active Model	Type	Power Peak (dB)	MAX SPL Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
VLA Active Top 4 Ohm	Mid-high	400 W	126 dB	200 Hz - 20 kHz	10° x 70°	13	1000 x 160 x 160
VLA Sub	Subwoofer	400 W	126 dB	50 Hz - 250 Hz	Omni	32	1000 x 250 x 380

active systems

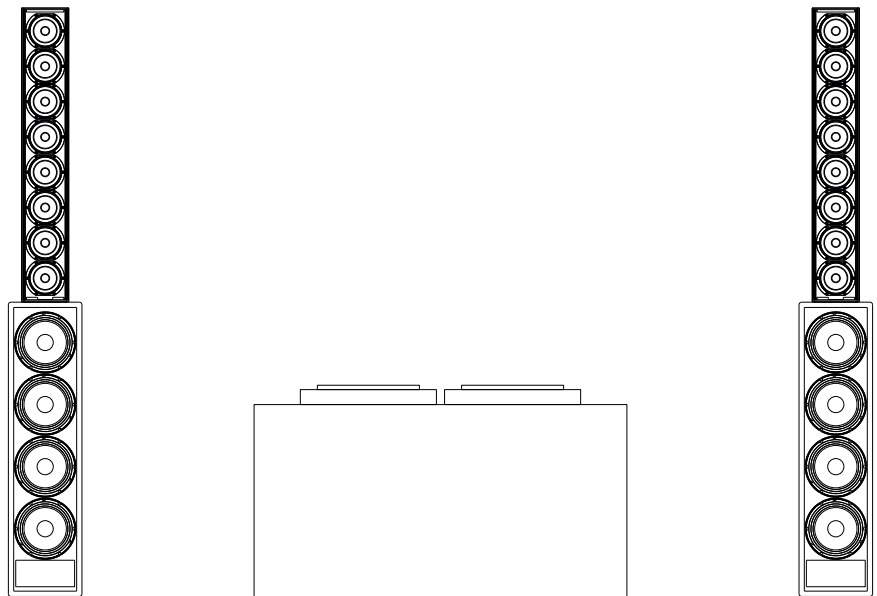
Example systems

**Mobile DJ setup example 1**

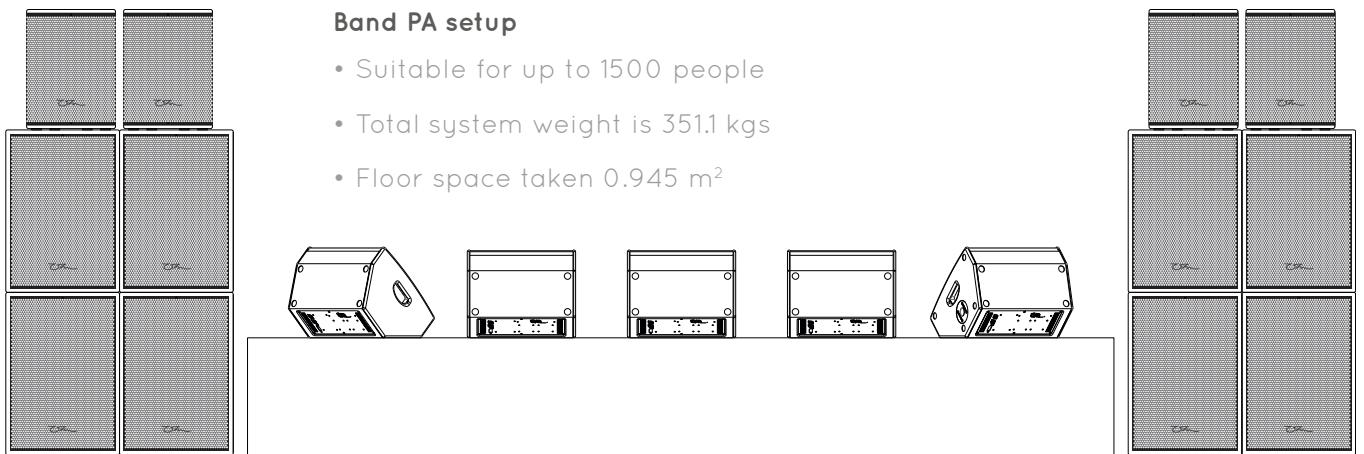
- Suitable for up to 300 people
- Total system weight is 116.8 kgs
- Floor space taken 0.4725 m²

Mobile DJ setup example 2

- Suitable for up to 250 people
- Total system weight is 90 kgs
- Floor space taken 0.19 m²

**Band PA setup**

- Suitable for up to 1500 people
- Total system weight is 351.1 kgs
- Floor space taken 0.945 m²



serious about sound



Ersa Major, Bagimsizlik Park: Turkmenistan



Image: Elementes

Bringing Audiences Closer

We've all been to that live concert where an artist comes to our favourite track, the sound system is cranked and....oh. Loud yes, but you can't hear anything. And in these cases, the artist is even more upset than the crowd. That's why more and more venues, tours and festivals are choosing Ohm for their live sound.

The music artists create should be a connection to the audience, not a barrier. We help create that connection with our continuing 40-year obsession with quality sound. We don't cut corners. We make and use the finest components, and we house them in robust, craft-built cabinets.

So when the audience can hear every facet of the show, even at high levels, you know an Ohm sound system has brought the artist closer to the audience.

serious about sound

HD-MH

high definition

We have three models of these amazing point source cabinets, all with a well-deserved reputation for powerful performance in the touring industry. They are incredibly flexible, and can be used on their own, or as part of a system with all models performing together. Each model lends itself well to particular applications, but all feature in large systems as main cabinets, front fills and side fills. Nothing is too big (or small) for these rugged performers.

The HD-MH is the biggest cabinet, with the biggest performance. It features probably the best throw of any point source 3 way cabinet anywhere. Pinpoint dispersion accuracy gives you limitless arraying potential. Quality sound and power is delivered exactly where you need it.

Key Features

- **Arraying is made easy** by using the full length flying track
- **Extremely long throw horn** with phasing plugs allowing big arrays
- **Three way Operation** for maximum efficiency



HD-MH



Model	Type		Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
HD-MH	Mid-High	HF	16	80 / 320 W	118 dB	90 Hz - 23 kHz	40° x 20°	109	1156 x 577 x 855
HD-MH		MF	16	160 / 640 W	118 dB				
HD-MH		LF	16	500 / 2000 W	109 dB				



trs touring system

TRS-112HN & TRS-212



TRS-112HN

Key Features

- **TRS-112HN aiming** is made simple by use of a flying track for adjustable flying points.
- **TRS-112HN asymmetrical horn** and co-axial speaker gives smooth and accurate coverage.
- **TRS-212 has a** long-throw central horn with tight vertical dispersion.

The TRS-112HN is the latest addition to the world renowned TRS range. Designed to be used in fill applications with the HD-MH, it can even be used in small systems on its own.

Because it has an asymmetrical, downwards pointing pattern, the TRS-112HN creates an even coverage rectangle with the same width from front to back.

With this accuracy, it is an excellent option for front fill use or as a small system top cabinet.

The TRS-212 is the true work horse of small and medium scale touring. Built to last, it's tight vertical dispersion control gives extended reach to the back of the audience.

When deployed with the TRS-218 sub, this cabinet forms part of a very reliable system, with almost zero upkeep costs for many years of high-quality performance.



TRS-212

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
TRS-112HN	Mid-Horn	HF	16	80 / 320 W	127 / 133 dB	H. 30° to 40° V. 5° to 25°	32	580.3 x 568 x 450
		Mid	8	500 / 2000 W	129 / 135 dB			
TRS-212	Full range	4	625 / 2500 W	134 / 140 dB	80 Hz - 20 kHz	60° x 40°	54	954.3 x 573.3 x 446

serious about sound

Ersa Minor & Vela

line arrays

Sometimes it's a matter of taste, sometimes the requirements of the venue – you have to go for line array.

For flying options, we've got it covered with our flexible range of models.



ERSA
MINOR

Ersa Minor is designed for small scale use such as places of worship or conference halls. Its small size facilitates a lightweight and unobtrusive array when flown. The integrated flying system is free from any protruding or loose pins, with everything in line with the cabinets for an effective and elegant solution.

Vela is the next step up in the Ohm range having been developed for more demanding live music applications requiring greater sound levels. It will fire up any loud rock band or synth monster harnessing the finesse of acoustic performances. The simple and straightforward flying system is built right into the woodwork with no external parts needed.



VELA

Key Features

- **Ersa Minor** has a completely integral flying system with no protruding parts give a clean sleek look.
- **Both arrays** have Bi-amp operations allowing extended control.
- **Both arrays** have extremely high outputs compared to their relative size.

- See page 63 for ground stacking options



line arrays

Ersa Major

When the big acts come to town, you need the big guns. With legendary capability, Ersa Major forms the largest array in Ohm product range delivering forceful sound without distraction.



ERSA
MAJOR

The fully horn loaded 3-way cabinet handles events for tens of thousands of people with ease. The innovative horn loading ensures high sensitivity whilst minimizing any wind effect on the sound.

With a simple flying system with a durable push lock, front mounted mechanism, the rigging process is a fast two-man job.

It's not often that going for the best saves money, but the reliable, rugged and high performing Ersa Major continues to enthrall crowds all over the world.

Key Features

- **Fully horn loaded** high sensitivity array.
- **Integral flying system** to allow easy arraying.
- **Three way operation** for maximum flexibility for controlling the array.

Model	Type		Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
Ersa Minor	Full Range	HF	16	100 / 400 W	129 / 135 dB	125 Hz - 20 kHz	Dependant on Array	10	189 x 410 x 177.5
		Mid	32	250 / 1000 W	119 / 125 dB				
Vela	Full Range	HF	32	100 / 400 W	130 / 136 dB	55 Hz - 20 kHz	100° Horizontal Vertical ***	23.1	250 x 576 x 300
		LF		400 / 1600 W	119 / 125 dB				
Ersa Major	Full Range	HF	16	80 / 320 W	137 / 143 dB	100 Hz - 20 kHz	120° x 10°	46	291.3 x 700 x 650
		Mid		160 / 640 W					
		LF		500 / 2000 W					

*Dependant on array design

serious about sound

HD-MX12 & HD-MX15

monitors

Stage monitors have become part of the stage craft of major artists over the years. Nothing quite beats the rock-out foot on the monitor routine! But stage monitors do a serious job. They have to be a certain shape, yes, but they need to do a different job to a typical loudspeaker.



HD-MX12

Key Features

- **Concave grill** for maximum strength.
- **Switchable** passive/bi-amp operation.
- **Coaxial drivers** for even dispersion throughout the frequency range.

The HD-MX monitors are our premium range for stage monitoring. Their shape is perfectly suited for shallow stages where artists need to be close to the monitors or even almost directly above them. When this happens, as with TV studios and typical club stages, these monitors offer the ideal solution for feedback resistant, high level monitoring, allowing artists to focus on what they do best.

The coaxial driver arrangement ensures smooth but cut-through coverage, and the concave grille is specially designed to prevent bending from the full weight of international stars and their feet!



HD-MX15



Model	Type		Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
HD-MX12	Full Range	HF	16	80 / 32 W	125 / 131 dB	75 Hz - 20 kHz	60° Conical	18.5	334 x 500 x 451
		LF	8	500 / 2000 W					
HD-MX15		HF	16	80 / 32 W	125 / 131 dB	65 Hz - 20 kHz	60° Conical	20	371 x 560 x 511
		LF	8	500 / 2000 W					



monitors

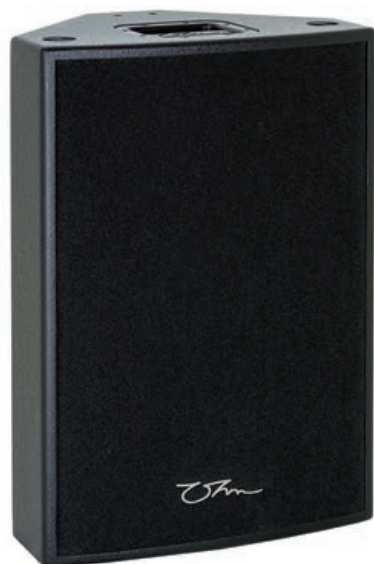
TRS-112 & TRS-115

They have to be stable – no-one likes feedback. But above all they should cut through stage noise to give the musician the perfect near-field mix for that perfect performance. Ohm brings the same attention to detail across build quality, sound performance and value for money that you expect in the larger ranges to all our stage monitors.

TRS monitors have the most amazing price/performance ratio in the industry. These more affordable but very powerful cabinets are designed mainly for monitoring use, but they can also be used as small PA mid high cabinets. The TRS range has symmetrical wall angles which makes stereo pairing easy.



TRS-112



TRS-115



The monitor angle has been carefully chosen in both cabinets to match the distances of typical medium-size stages.

Key Features

- **Clarity**, punch and quality
- **Versatile** floor monitors or front of house
- **Built-in** flying points and aluminium top hat
- **Clever** cable concealment

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
TRS-112	Full range	8	300 / 1200 W	124 / 130 dB	83 Hz - 19 kHz	90° x 40°	24	575 x 398 x 278.8
TRS-115	Full range	8	500 / 2000 W	127 / 133 dB	85 Hz - 19 kHz	60° x 40°	36	700 x 506 x 334.5

serious about sound

HD-BB

high definition subs

It's a perennial problem. How to get awesome bass into your set without killing everyone's enjoyment with the boom of one-note bass? If it's down in the low frequencies, it's what they get, right? Wrong!



When you need low, low bass which rattles our ancestors, there's no substitute for the HD-BB, a festival-shaking, concert-thumping bit of kit that reaches down to an awesome 37Hz, with a 140dB delivery that makes the crowds feel like the music is part of them. Incredibly for something which creates such high sound pressure, it is the same size as the HD-MH top cabinets, ensuring an easy-build HD flying system. The HD-BB is packed with high-powered 18 inch Ohm drivers and 4" voice coils, giving it the touring strength cabinetry for which Ohm is renowned.



HD-BB

Key Features

- **Incredible** power/size ratio
- **Fully compatible** with range, usually HD-MH top cabinet
- **Four legendary** high-quality 18 inch Ohm drivers
- **Rugged touring-ready**, craft-built, birch-ply, reflex-loading construction

Model	Type	Impedance (Ohms)	Power (AES) Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
HD-BB	Subwoofer	2 x 4	3000 / 6000 W	138 / 144 dB	37 Hz - 130 Hz	Omni	133.5	1156 x 577 x 855



trs subs

For the small mobile rigs and installs, TRS-118 offers a TRS quality bass on a small “half size” cabinet. Combine it with the TRS-112 or 115, as a sub/sat system, to get a small DJ or live sound setup which certainly delivers!

The reflex loaded cabinet can keep up with the punchy music and simultaneously play the lowest notes without breaking into a sweat yet keeping the party on full swing. Deep, rich and musical bass – that’s what this box is all about.

TRS-118 & TRS-218



TRS-118



TRS-218



The punch and clarity of TRS series top cabinets extends to the TRS-218 sub, an incredible bit of kit which brings you dynamic kick drums with clear and forensic bass. That’s not surprising, given the crafted 18 inch Ohm drivers in their birch ply cabinet. The back panel is cast aluminium, with 4-way Speakon compatible connectors.

Dance club? Kills it. Touring? Fills it and kills it.

The TRS-218: strong, proven and reliable performance for the long term.

Key Features

- **TRS-118 Reflex loaded** for accurate transients and extended response
- **Excellent bass** extension for TRS-112 and 115.
- **TRS-218 has Incredible performance power** without losing definition and clarity
- **Perfect** for touring use or in a club

Model	Type	Impedance (Ohms)	Power (AES) Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
TRS-118	Subwoofer	8	650 / 2600 W	126 / 132 dB	33 Hz - 111 Hz	Omni	49	584.3 x 576 x 746
TRS-218	Subwoofer	4	1250 / 5000 W	135 / 141 dB	30 Hz - 300 Hz	Omni	82	584.3 x 1156 x 746

serious about sound

Infra-Sub

super low sub

Modern dance music and quite often live music demands the lowest audible octave to be played as well as the upper range of the bass. Reproducing the lowest octave well gives a more intense and lively experience. This octave also includes the main frequencies to several instruments, like for example piano, where the lowest key frequency is at 27.5Hz.



INFRA-SUB



This lowest frequency part of the spectrum, 20-40 Hz, can only be reached through using specialist kit. Think of the Infra-Sub as a sound submarine, diving to the bottom of the soundscape, where the crowd feels the biggest 'drop' the club has ever heard. Once DJs hear it, they don't want to do a show without it.

Using a dedicated cabinet for this range also takes the stress out from your main subs and improves the definition on them.

Key Features

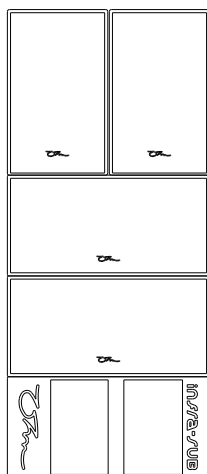
- **Perfect** for touring use or in a club
- **Infra Sub is a dedicated**, hyper-low frequency extension for TRS range
- **Low distortion** construction guarantees clean and accurate sound
- **Easy, safe** stacking with TRS-218

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
INFRA-SUB	Subwoofer	4	2400 / 9600 W	135 / 141 dB	24 Hz - 45 Hz	Omni	96	584.3 x 1156 x 900

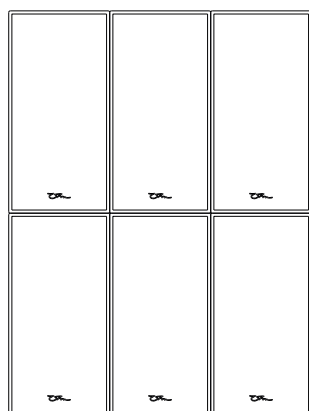
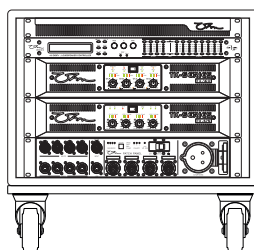


High definition systems

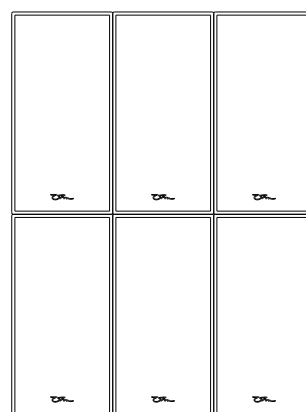
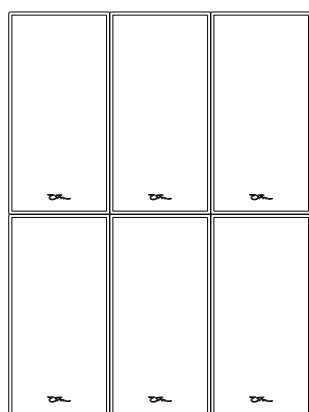
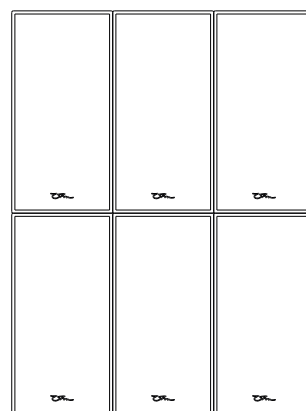
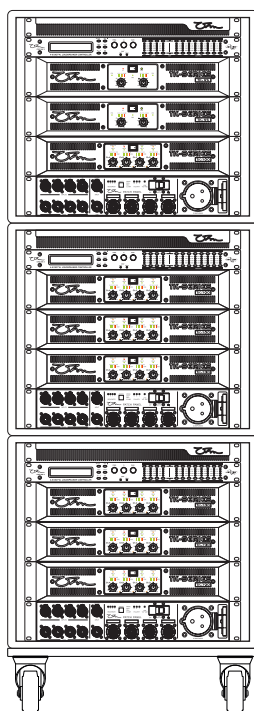
Example systems



4 x TRS-212 1 x 8U System Rack
 4 x TRS-218 1 x TK-100 Amplifier
 2 x INFRA-SUB 1 x TK-475 Amplifier

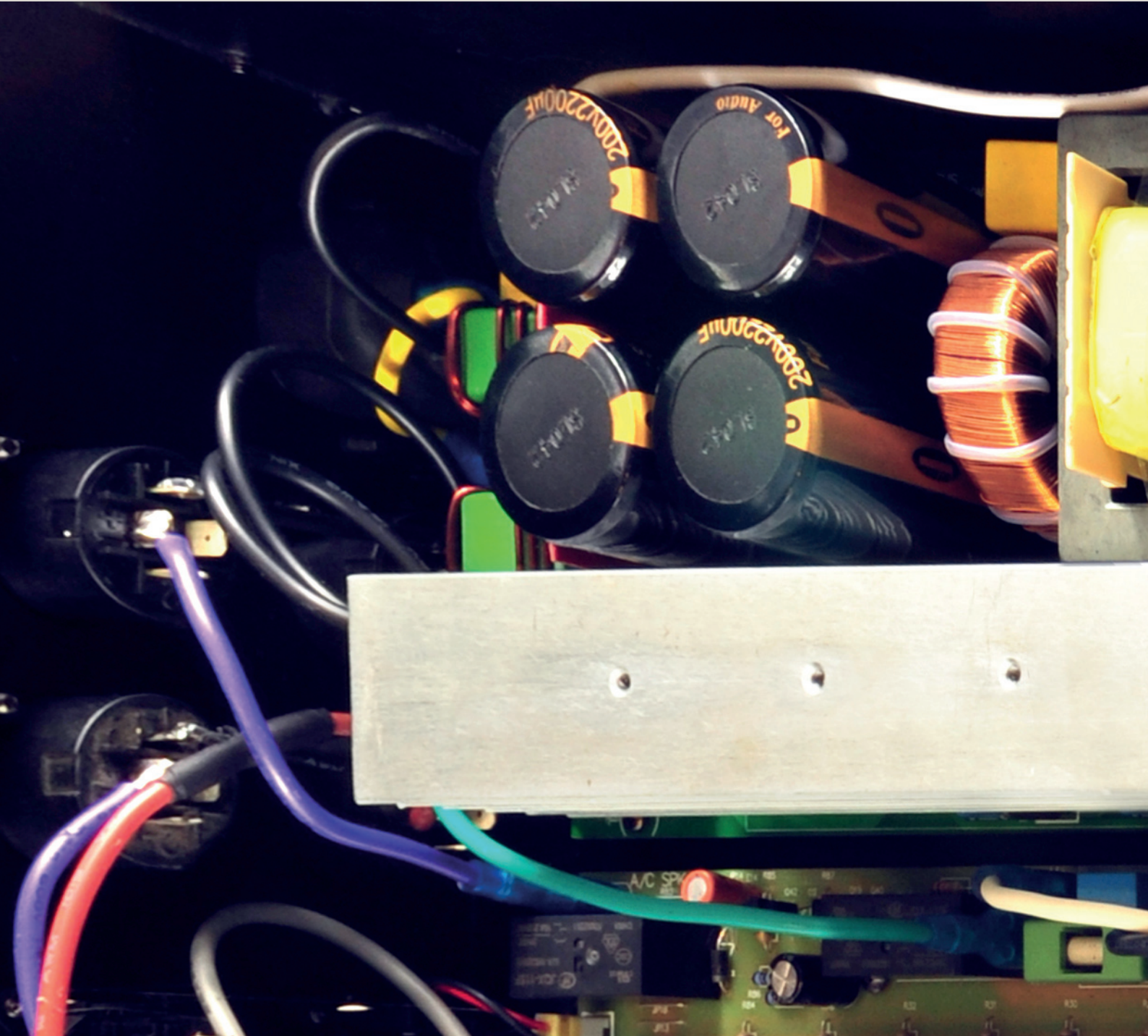


12 x HD-MH 3 x 10U System Rack
 12 x HD-BB 7 x TK-100 Amplifiers
 2 x TK-45 Amplifiers



serious about sound

Amplification & Control





The work horses of professional audio

Ever heard the phrase “rubbish in, rubbish out?”. However good your chosen loudspeakers are, if they are fed poor, eroded or low-quality information, they cannot do anything to improve it. That’s why we dedicate serious amounts of our time to ensure our high-quality, craft-built range of speakers are complemented with the best amplifiers and controllers. We think “quality in, quality out.” Reliability and longevity are equally important, as we seek to ensure the whole system continues to perform at optimum, the same as the day it was first configured.

serious about sound

MA Series Amplifiers

amplifiers



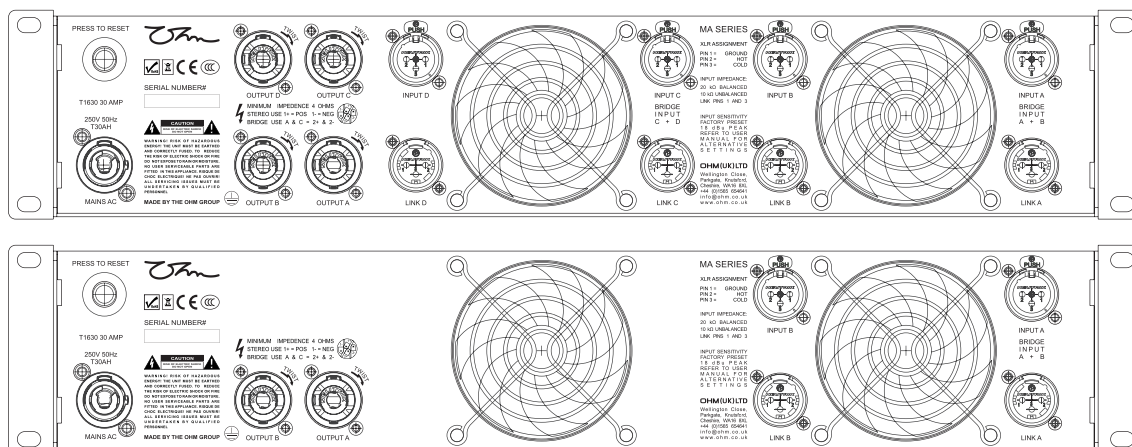
A range of amplifiers with features that offer solutions beyond their pricing. Designed in the UK and built in our own facility in Asia. Mosfet based design with Switch Mode Power Supplies, lightweight, rugged construction without the compromise found in most mass market amplifiers today. Oversize cooling fans, bespoke extruded aluminium heatsinks, 6mm Aluminium Front panels with all easily accessible controls switchable from the front, Modular for easy repair in the event of failure.

Key Features

- **Light weight**, SMPS power supplies
- **Extraordinary** performance
- **2 and 4** Channel Models available
- **4 ohm Bridging** capacity allowing for 3 channel configuration
- **Steel chassis**, Aluminium front panel
- **UK** Design

amplifiers

MA Series Amplifiers



MA Amplifiers

Model	MA 2-4	MA 2-6	MA 4-4	MA 4-6
Power Rating W @ 2 Ω	2 x 588 W	2 x 840 W	4 x 850 W	4 x 1100 W
Power Rating W @ 4 Ω	2 x 490 W	2 x 700 W	4 x 650 W	4 x 850 W
Power Rating W @ 8 Ω	2 x 350 W	2 x 500 W	4 x 400 W	4 x 600 W
Bridge Rating W @ 4 Ω	N/A	N/A	2 x 1700 W	2 x 2200 W
Bridge Rating W @ 4 Ω	N/A	N/A	2 x 1300 W	2 x 1700 W
Voltage Gain (at max. Level, 0.775V, +/-5%)	36.7 dB	38.2 dB	37.2 dB	39.1 dB
Frequency Response 1 W @ 8 Ω	20Hz-20KHz, +/-0.5dB			
S/N Ratio, Unweighted	97 dB		95 dB	
Input Impedance	10KΩ Unbalanced, 20KΩ Balanced			
Input Sensitivity	12 dB or 24 dB			
Total Harmonic Distortion (THD)	<0.5%, 10Hz - 20Khz		<0.9%, 10Hz - 20Khz	
Slew Rate	>20 V/us			
Crosstalk (Below -3dB Rated Power)	80 dB		75 dB	
Damping Factor (8 Ω) 20Hz - 400Hz	>250			
Input Connectors	Female XLR			
Link Connectors	Male XLR			
Output Connectors	Speakon Connectors			
Output DC Offset	3mV			
Cooling (Force-Cooling System)	One variable speed fan		Two variable speed fans	
Controls	Power Switch, Volume Controls, Mode Status Switches, Sensitivity Switches			
Indicators	Backlit OHM logo denotes power on, Signal, Clip, Protect, Sensitivity, Bridge, Stereo, Mono			
Protection	Clip Limiter, Short Circuit, Thermal, DC Voltage, Soft Start, Subsonic Signal, SSC, DRC, HF			
Dissipation	<20 W		<45 W	
Power Supply	AC 240V 50-60 Hz			
AC Fuse	T10A250Vac		T20A250Vac	
Weight (kgs)	8	8	11.3	11.7
Dimensions H x W x D (mm)	88.9 x 482.6 x320			

serious about sound

TK Series Amplifiers

amplifiers



TK Amplifiers



Just like our range of touring loudspeakers, the TK range of amplifiers is built with sound quality and long-term performance in mind. Working closely with our partners at MC² Audio, we have developed a range of amps which can do the toughest jobs on the road with ease, whilst still being lightweight and flexible.

This is Ohm, so the TKs are quality-made in the UK, and help Ohm loudspeakers be the best they can be. Each TK amp has a switch mode power supply, which delivers those high intensity peaks without any bass sag at very low distortion. All of this magic is kept within its safe operating area by the new, sophisticated intelligent limiter. The TK-25, TK-45 and TK-47 deliver ultra-high definition sound across the entire audio bandwidth, and the TK-100 is an industrial strength and power Class D performer.

Key Features

- **Light-weight** ideal for install or touring
- **Excellent** Sonic Performance
- **2 and 4** channel models
- **Switch mode** power supply
- **UK** manufactured



amplifiers

TK Series Amplifiers



Model	TK-25	TK-45	TK-475	TK-100
Power Rating W @ 2 Ω	2 x 2400 W	2 x 4200 W	-	4 x 3700 W
Power Rating W @ 4 Ω	2 x 1350 W	2 x 2500 W	4 x 900 W	4 x 2800 W
Power Rating W @ 8 Ω	2 x 700 W	2 x 1250 W	4 x 775 W	4 x 1400 W
Bridge Rating W @ 4 Ω	4800 W	8400 W	-	2 x 7400 W
Bridge Rating W @ 8 Ω	2700 W	5000 W	2 x 1800 W	2 x 5300 W
Gain Options dB	26 / 32 / 33	26 / 32 / 36	26 / 31 / 32	26 / 32 / 36
Class	AB	H	AB	D
Frequency Response 20Hz - 20KHz	±0.3 dB	±0.3 dB	±0.3 dB	±0.5 dB
Input Sensitivity Options - dBu (for maximum power)	+13.0 / 7.0 / 6.0	+15.7 / 9.7 / 5.7	+11.0 / 6.0 / 5.0	+16.0 / 10.0 / 6.0
Input Sensitivity Options - Volts (for maximum power)	3.5 / 1.7 / 1.5 V	4.7 / 3.4 / 1.5 V	2.7 / 1.5 / 1.4 V	4.9 / 2.5 / 1.5 V
Total Harmonic Distortion (THD) (@1dB below maximum output power) @1kHz	<0.3% @ 20Hz-20kHz <0.008%	<0.5% @ 20Hz-20kHz <0.015%	<0.5% @ 20Hz-20kHz <0.15%	<0.15% @ 20Hz-20kHz <0.08%
Input Impedance	20k Ohms (Active Balanced)			
Input CMRR	60 dB			
Damping Factor 8 Ω / 1 kHz	>400			
SNR (WTD)	Better than 105 dB	Better than 106 dB	Better than 105 dB	
Input Connectors	Female XLR			
Link Connectors	Male XLR			
Output Connectors	Speakon Connector			
Switches	Front - Power, Rear - Channel Link, PRC selector, Bridge Mode (where applicable)			
Cooling	Two variable speed fans			
Indicators	Power On, Signal, Level, Limiter, PRC, Protect, Bridge (where applicable)			
Protection	Overheat, Short -circuit, DC, Radio frequency interference			
Power Supply	AC 240V 50 Hz			
Weight (kgs)	10.2	11.4	10.6	11.8
Dimensions H x W x D (mm)	88 x 483 x 428			

* TK-60 This model will be available in early 2015

serious about sound

CRED MK-3 4-8 Controller

controllers



CRED MK-3 4-8

The CRED MK-3 processing platform has been designed to operate at a native sampling rate of 96kHz, and also be powerful enough to cope with the additional inputs and outputs. Available on each input channel there are 8 bands of fully parametric equalisation. Each output path features each gain control, polarity, delay and up to 9 parametric sections, as well as the crossover filters which offer slopes from 6dB/Octave up to 48dB/Octave.

All parametric sections can be re-configured to many alternate filter behaviours, including the familiar high and low shelves and notch filters, along with bandpass, elliptic & variable 'Q' shapes, and phase adjustment, in 2 degree steps. Each output also features a combination of limiters, a limiter which is designed to protect individual drivers from over-exursion/over-driving, and an additional look-ahead "D-Max" limiter for added safety.

With multiple inputs and outputs, the CRED MK-3 is able to offer much more than a simple crossover system. To make configuration as simple as possible, a selection of templates are available

to set the system up, taking care of routing and selecting useful crossover points.

However all of this is easily adjustable, including the routing. Any output may be fed from any input, or combination of inputs, forming a completely flexible matrix.

Key Features

- **Using the latest digital signal processing** and high sample rates would be wasted if attention was not paid to capturing the signal as faithfully as possible, and reproducing it accurately.
- **The controller uses high-performance 24-bit converters** on the inputs and outputs, running at 96kHz to
- **Four fully-balanced inputs and eight fully-balanced outputs**, makes it possible to realise four two-way monitor systems in a single 1U unit.

SPECIFICATIONS	
Inputs	Four - electronically balanced (transformers optional), AES/EBU fitted as standard
Outputs	Eight - electronically balanced (transformers optional),
Input Impedance	10 K Ω
CMRR	>65 dB 50 Hz - 10 kHz
Source Impedance	<600 Ω
Minimum Load	600 Ω
Maximum Level	+20dBm into 600 Ω load
Sampling Rate	96kHz internal, up to 192kHz can be accepted and converted
Frequency Response	± 0.5 dB 10Hz - 32kHz
Dynamic range	>116dB 20Hz - 20kHz. Unwtd
Distortion (THD)	< 0.001% @ 1kHz, +10dBm
Maximum Delay	650 mS
Delay Step	0.325 μ s
Output gain	Adjustable +15dB to -40dB in 0.1 dB steps and mute
EQUALISATION	
Filters	Parametrics - 8 Per input / 9 per output
Additional filters	28-band graphic on each input
Parametric Filters -	Switchable between Bandpass, Allpass, Notch, VariQ, Shelf and Elliptical response
Phase filtering	2 degree steps on each input and output
CROSSOVER FILTERS	
Slopes	6, 12, 18, 24, 48 dB per octave
Types	Bessel, Butterworth or Linkwitz-riley*
LIMITER	
Threshold	+22dBu to -10dBu
Attack Time	0.3 to 90 milliseconds
Release Time	4, 8, 16 or 32 times the attack time
Clip/D-max Limiter	Look-ahead attack time, Fast, Medium or Slow release times
GENERAL INFORMATION	
CONNECTORS	
Inputs	3 pin female XLR
Outputs	3 pin male XLR
RS485	In/Out XLRs
RS232	9 Pin (Female) D Connector
Power	3 pin IEC
Mains	60 - 240 V AC, 50-60Hz~
Consumption	< 40 watts
Fuse	T 1 amp L
Dimensions	44 mm x 482 mm x 305 mm
Weight	3.5 kg (unpacked)

* Linkwitz-riley not available at 6 or 18 dB

Audiocore DSP Software

software



AudioCore - complete control of your networked audio system from your PC.

AudioCore allows you to control and monitor up to 32 CRED MK3 devices using a simple XLR cable, or connect with TCP/IP to work through a standard Ethernet system (by using a Serial to Ethernet converter), either cabled or wireless.

Intuitive access and interface layout allows for quick and easy set-up of complete systems either on or off-line, with intelligent copy and paste functions to facilitate rapid configuration.

Once you're up and running, great features such as the 'System Monitor' allow you to keep an eye on the entire network at a glance, with real time metering and temperature readouts and instant access to anything that needs attention.

Powerful 'Array Control' groups any outputs anywhere on the system and gives 'Virtual VCA'

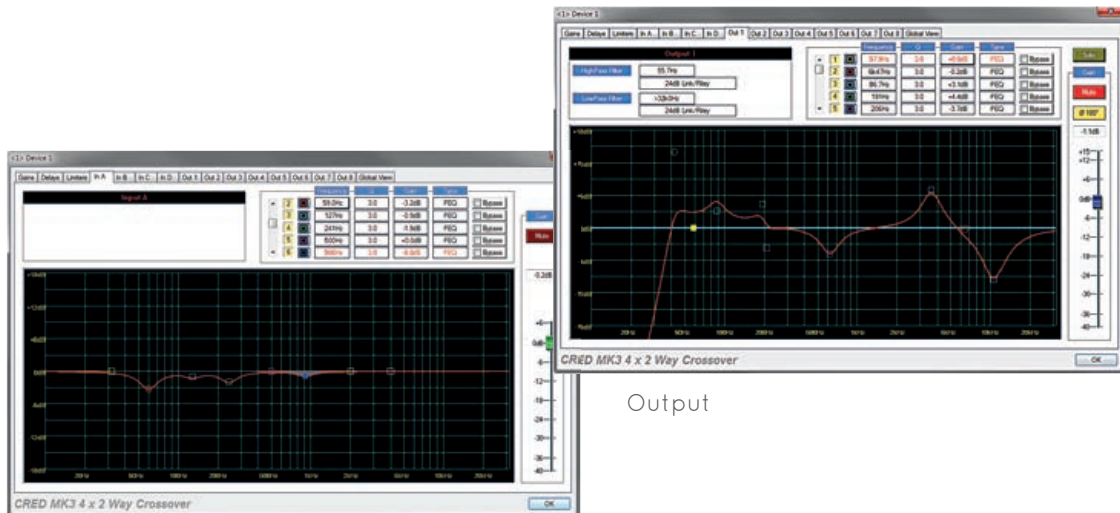
control of gains mutes and solos, for up to 28 zones. 'Global Ganging' allows grouping of EQ and delays for system-wide EQ tweaks.

Key Features

- **Easy access** to all functions with clear numerical and graphical display
- **Numerical** and "graph drag" data entry
- **Clear visual** information on system status allows quick adjustments
- **Matrix** routing
- **Store/recall** library functions
- **8 filters** for each input and 9 filters on each output, changeable between different functions
- **RS-485 Network** set up and management

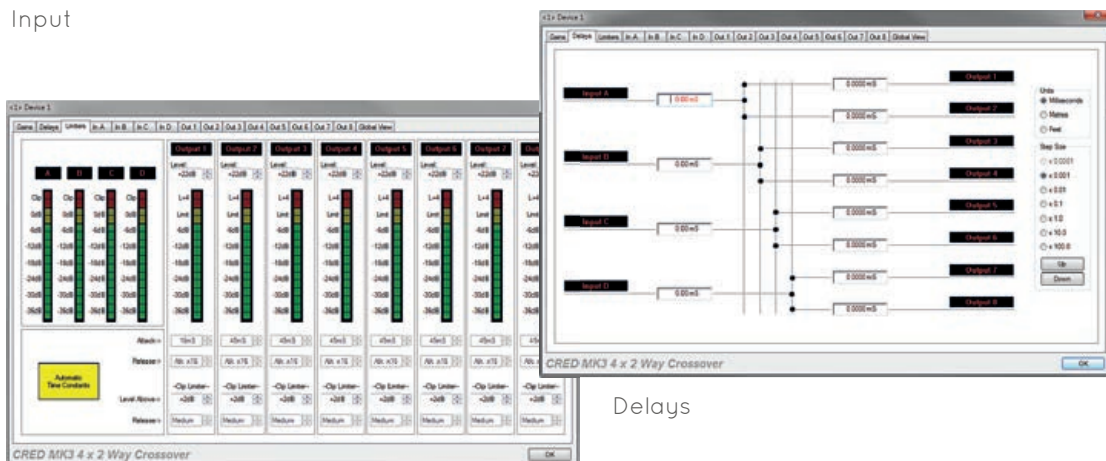
software

Audiocore DSP Software



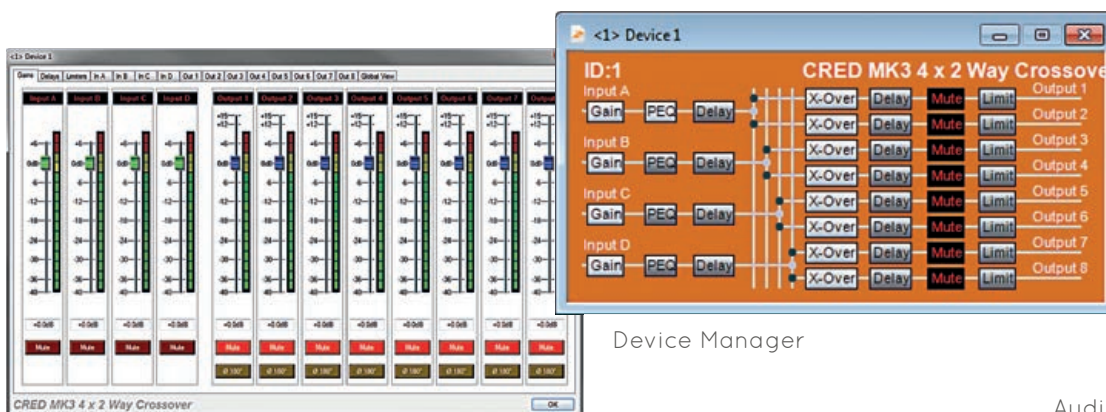
Input

Output



Limiters

Delays



Gain

Device Manager



Audiocore

serious about sound

TK 1 U Light Panel & Patch Panel controllers

TK 1U Light Panel (24V)



TK Patch Panel



Let's get it all together. Starting with the mains, the TK Patch Panel has a CEE32 input to the mains control unit which protects against incorrect polarity, over-voltage and no ground connection.

At a press of a button the sequencer will provide mains to up to four amplifiers. Four signal inputs and links on the front panel are patched to the rear as well as an RS-485 XLR connector.

Amplifier outputs to eight NL4 connectors on the rear are patched through to four NL8 connectors on the front, as an option the panel can be ordered with eight NL2 on the rear and 4 NL4 on the front. There are two USB power outputs and a low voltage BNC outlet for the TK-LP.

The TK-LP is a 1U ventilation and light panel with high intensity white LEDs to illuminate the amplifiers and patch panel.

controllers

Oyster 2-6



OYSTER 2-6

Whether on tour or in a permanent installation, you want to be in full control of your loudspeakers. Instruments and styles change, artist dynamics alter, the room empties, then fills, or you end up in a hugely different environment to last week. It's never the same.

Taking up just one slot in the rack, the Ohm Oyster digital loudspeaker management system allows you to stay in control, with comprehensive DSP facilities at your fingertips. Like the spider in the middle of his web, you can feel and make changes to your system as needed. To continue the theme, your Oyster management system

uses Ohm Spyder software via USB and a laptop. The easy-to-use interface shows you any flies you need to deal with, allowing ready access and control of all settings. Whether you're saving favourite settings, or adjusting others, it's just you that does it, as the front panel is inaccessible those who shouldn't dabble.

Manage different sound zones separately, but control them centrally through the Spyder's matrix mixer.

Compact, and packed full of features for ultimate control, the Oyster 2-6 brings any Ohm live or fixed environment to life.

SPECIFICATIONS

Inputs	Two
Input Impedance	10K Ω
Nominal Input Level	+6 dBu
Maximum Input Level	+22 dBu
Input Gain	-48 to 12 dB variable in 0.25 dB steps
CMRR	Better than 50 dB (30 Hz - 20 kHz)
Input Connector	Female 3 pin XLR, Balanced
Outputs	Six
Output Impedance	50 Ω (electronically balanced)
Maximum Output Level	+12 dBu
Output Gain	-50 to +12 dB
Output Connector	Male 3 pin XLR, Balanced
Crossover Filter - Slopes	6, 12, 18, 24 dB per octave
Crossover Filter - Types	Bessel, Butterworth or Linkwitz-riley
Delay	0 to 2 secs on each input and output
Delay Step	15 s
Limiter	Zero-attack peak limiter with threshold adjustment in 0.25 dB steps

EQ Type	Parametric
EQ Frequency	20 Hz to 20 kHz variable in 1 Hz steps
EQ Gain	-12 to +12 dB variable in 0.25 dB steps
EQ Width	0.06 to 4.75 Octave
Number of PEQ's	10 on each input and output

GENERAL PERFORMANCE

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

GENERAL INFORMATION

Serial Connector	USB Port type B
Dimensions	482 mm x 44 mm x 128 mm
Weight	3 kg (unpacked)
Mains Power	85 - 265 V AC, 50-60Hz-
Consumption	<10 watts
Fuse	T500 mA L250 V

serious about sound

Spyder DSP Software

digital sound processing



The proprietary Ohm Spyder DSP controller software continues the Ohm tradition of easy to use, friendly and reliable systems. Currently available to drive the Oyster system controllers,

Spyder software runs on PC and controls I/O levels, delays, polarity, parametric EQ's, crossover sections and limiters. All parameters are accessible to the user via the Spyder GUI (Graphical User Interface). All the programming and control is simple to carry out with this dedicated PC software. Store/Recall of parameter sets is straightforward. The Spyder software also incorporates a matrix mixer with up to 4 into 8 capability, depending on the hardware connected.

Key Features

- **Easy access** to all high and low pass filters with clear numerical and graphical display
- **Numerical** and "graph drag" data entry
- **Matrix routing** selector
- **Gives clear visual** information on signal levels and gain structure allows quick adjustments
- **Store/recall** library functions
- **10 filters** for each input and output, changeable between Bell/High Shelf/Low Shelf/ Notch and All Pass
- **Matrix gain** controls
- **Network set up** and management
- **Grouping** functions



digital sound processing

Spyder DSP Software

X-over Page



Main Page



- Easy access to all high and low pass filters with clear numerical and graphical display
- Numerical and “graph drag” data entry
- Matrix routing selector

- Gives clear visual information on signal levels and gain structure and allows quick adjustments.
- Store / recall library functions

Output Page

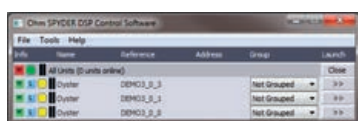


- 10 filters for each input and output, changeable between Bell / High Shelf / Low Shelf / Notch and All Pass
- Numerical and “graph drag” data entry
- Matrix gain controls

Input Page



Network Page



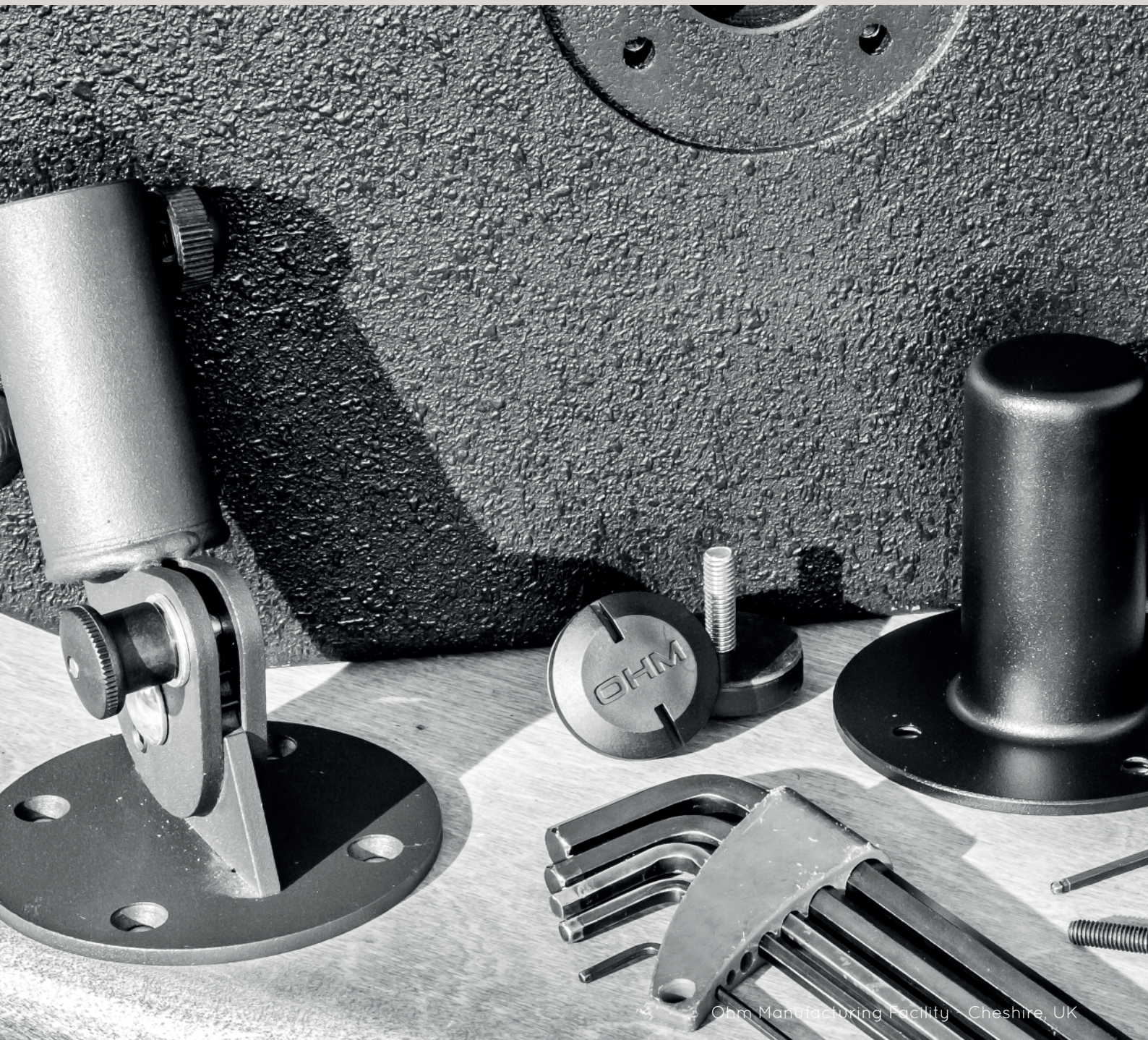
- Network set up and management
- Grouping of functions

SPYDER



serious about sound

Hardware



Ohm Manufacturing Facility Cheshire, UK



Audio for any application

Because of Ohm's tendency to create versatile loudspeakers, many years ago we adopted the same mind set when it came to designing product hardware. We understand that one clients installation or mobile situation may differ from another clients even though the speaker supplied may be the same and fulfils both scenarios, so we push forward creating new and bespoke hardware to aid in product mounting and securing to enable the best possible experiences.

serious about sound

System Racks

transportation

Ohm offers 2 sizes of configurable system racks to drive any combination of Ohm cabinets.

All system racks come preloaded with a CRED mk3, the required TK amplifiers for the system, a TK patch panel and a TK-1U Light Panel.

TK amplifiers can be chosen according to the budget and the system, typical setups being TK-475 with TK-100 to drive TRS systems and 2 x TK-45 and TK-100 to drive line arrays and HD systems. For the subwoofers, the rack can be kitted out with 2 x TK-100 on 8U configuration.

Rack sleeves are made from plywood with two well placed handles.



Product	Dimensions H x W x D (mm)
8U System rack	406.3 x 560 x 560
10U System rack	495.3 x 560 x 560

transportation

Touring Dollies



Some companies prefer removable wheel boards instead of having wheels permanently mounted at the back of the cabinets. Maybe space is a premium on the transportation or any noise from the wheels rattling at the back of the cabinets on the gig can't be accepted. In these cases a touring dolly, which mounts to the front of the cabinet, is a great option.

These dollies are locked into place by two butterfly locks making it a fast and easy process to fit and remove. All dollies are stackable within their size, so storage space required at the event is minimal. They also come in handy to wheel other heavy items around to save on physical lifting.



Product	Dimensions H x W x D (mm)
TRS-212 Touring Dolly	150 x 568 x 946
TRS-218 Touring Dolly	150 x 576 x 1156
Amp Rack touring Dolly	150 x 560 x 560

NB: If a touring dolly is required for any other product, let us know and Ohm will be happy to make one for you.

serious about sound

Custom Made Covers

cabinet covers

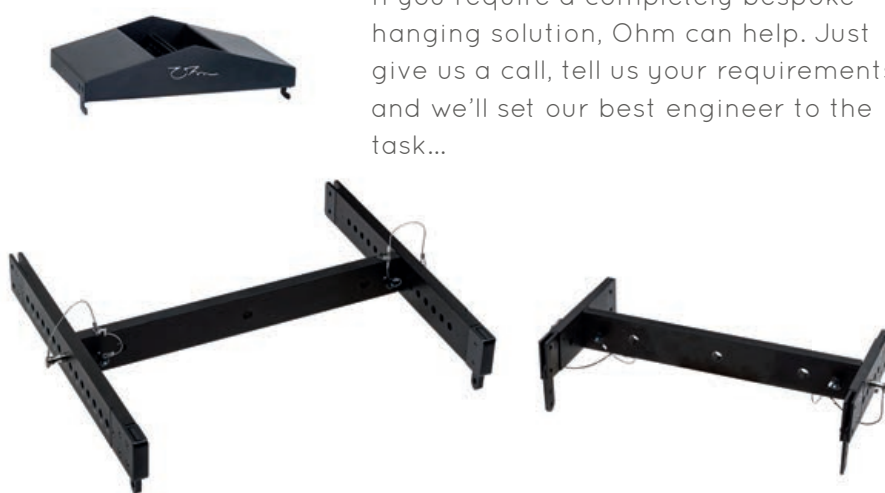


Buying a sound system is a big investment and to protect it from potential damage Ohm offers a selection of covers. Heavy duty covers made from waterproof foam guard allow safe transportation of the gear and helps maintain its pristine looks. Covers are available for all mobile and touring products.

For smaller items like VLA top, a carry bag with a handle is provided with the system. All flaps and foldable parts on the covers are secured with Velcro tape to ensure they stay in place offering full protection to the cabinet regardless of how the transportation and loading is done.



flying frames



Hanging Systems

Ohm manufacture a variety of hanging and ground stacking frames for all touring systems in their ranges.

If you require a completely bespoke hanging solution, Ohm can help. Just give us a call, tell us your requirements and we'll set our best engineer to the task...

Coloured & Weather proofed Cabinets

OHM is proud to be able to create any of our speakers and hardware in a RAL colour of your choice matching any environment easily.. We can also weather proof your cabinets for outdoor use.



serious about sound

Hardware

additional fixings



Hardware Applications

quick guides

Ohm has many options for mounting and transporting loudspeakers and amplification. Some are listed in the table below. We have many other items available including flying frames. Since Ohm has all manufacturing processes available in house we can offer custom mounting solutions to meet any requirement, please enquire.

	BWB - Bootique L shaped wall bracket, tilt or pan	AC-5 - AS-5 Wall, ceiling cradle, complete with hand-wheels	AC-8 - AS-8 Wall, ceiling cradle, complete with hand-wheels	KC-1 - KS-1 Wall, ceiling cradle, complete with hand-wheels	KC-3 - KS-3 Wall, ceiling cradle, complete with hand-wheels	CC-6 - CT-6 Wall, ceiling cradle, complete with hand-wheels	CC-26 - CT-26/CW-26 Wall, ceiling cradle, complete with hand-wheels	CC-28 - CW-28 Wall, ceiling cradle, complete with hand-wheels	CPW-26 - CW-26 Connector plate	CPH-26 - CW-26 Hanging plate	ABS-1 - Pan and tilt adaptor, stand type, 35mm bore	ABT-1 - Pan and tilt adaptor, threaded spigot type, M10	HWB - Horizontal pan and tilt wall bracket	S-SA - Stand mounted swivel Adaptor	SWB - Small pan and tilt wall bracket	LWB - Large wall bracket fitted with a 35mm spigot	TH-1 - 35mm Aluminium die cast top hat	SS-1 - Heavy duty adjustable tripod speaker stand, 35mm	TP-1 - Adjustable pole, 35mm and M20	TP-1P - Threaded mounting plate for the adjustable threaded pole	CFEK - Set of 3 flying eyes	CFPK - Recessed flying points	ST-CP - Castor pack for cabinets fitted with threaded insert	MC-12 - HD-MX12 Wall, ceiling cradle, complete with hand-wheels	MY-12 - HD-MX12 Hanging cradle, complete with hand-wheels	MC-15 - HD-MX15 Wall, ceiling cradle, complete with hand-wheels	MY-15 - HD-MX15 Hanging cradle, complete with hand-wheels	EMN-FF - Ers Major Flying frame, includes patch panel	V-FF - Vela Flying frame	EMJ-FFA - Ers Major Flying frame, adjustable hanging point	EMJ-FFB - Ers Major Flying frame fixed, hanging point
CT-6						●							●	●	●																
CT-26							●						●	●	●																
CW-26							●		●	●	●	●	●	●	●																
CW-28								●			●	●				●	●	●	●												
CT-8											●	●				●	●	●	●												
CT-10 / CT-12 / CT-15											●	●				●	●			●	●										
CS-15 / CS-18																			●	●											
CS-18H / CS-218																							●								
TRS-112 / TRS-115											●	●				●	●	●			●	●									
TRS-212																					●	●									
TRS-218																							●								
INFRA-SUB																							●								
HD-MX12																								●	●						
HD-MX15																										●	●				
Ersa Minor											●	●															●				
Vela																													●		
Ersa Major																														●	●
VLA Column													●	●																●	●
AS-5		●											●	●																	
AS-8			●										●	●	●	●		●	●												
KS-1				●						●	●	●	●	●	●	●		●	●												
KS-3					●					●	●	●	●	●	●		●	●	●												
BOOTIQUE	●												●	●		●															
Active 13																	●														
Active 13 Monitor																	●														
Active Sub																	●														

● fitted as standard ○ optional

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.

Speaker Application Guide

A simple guide to give an idea of best use for product applications, this is by no means a definitive list

	Concert Tours	Festivals	Stadium / arenas	Regional Touring	Corporate	Rehearsal Studios	Drum Fills	Side Fills	Stage Monitoring	Mobile Disco	Live Music	Houses of worship	Theatres	Cafés / restaurants	Pubs and Bars	Dance Venues	Nightclub	Leisure facilities	Retail	Educational	Theme Parks
CT-6 / CT-26 / CW-26					•							•	•	•	•			•	•	•	•
CW-28				•	•	•		•		•	•	•	•		•		•	•		•	•
CT-8					•	•				•	•	•	•	•	•		•	•	•	•	•
CT-10				•				•		•	•	•	•		•	•	•			•	•
CT-12		•		•						•	•		•			•	•			•	•
CT-15		•		•			•				•		•			•	•				
CS-15		•		•	•					•	•		•			•	•			•	•
CS-18		•		•						•	•		•			•	•				•
CS-208												•	•	•	•		•				
CS-212												•	•	•	•		•				
CS-18H		•									•		•			•	•				
CS-218		•									•	•	•			•	•				
TRS-112 / TRS-115	•	•		•				•	•		•	•	•			•					
TRS-112HN / TRS-212	•	•	•	•							•		•			•					
TRS-118					•					•			•		•	•	•	•			•
TRS-218 / INFRA-SUB	•	•	•	•							•		•			•					•
AS-5 / AS-8					•							•		•	•			•	•		•
KS-1 / KS-3					•							•		•	•			•	•		•
HGW-8 / HGW-10 / HGW-12														•	•				•	•	•
VLA Column Speaker					•							•	•	•				•	•		
OS-12 Ohmnisphere					•							•	•	•				•	•		•
Ceiling Speakers														•	•			•	•		
Active 13					•	•				•	•	•		•				•		•	
Active 13 Monitor									•												
Active Sub					•					•	•	•		•						•	
VLA Column System										•		•		•						•	
BootiQue														•	•		•	•	•	•	
ASB Active Sub												•		•	•		•	•	•	•	
HD-MX12 / HD-MX15					•				•												
HD-MH / HD-BB	•	•	•	•							•					•					
Ersa Minor												•	•							•	
Vela	•	•	•	•							•		•								
Ersa Major	•	•	•	•							•					•					

Product Specifications

quick guides

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
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Installation

CT-6	Mid-high	16	150 / 600 W	108 / 114 dB	87Hz - 17 kHz	100° x 40°	4	300 x 189 x 182.7
CT-26	Mid-high	8	250 / 1000 W	114 / 120 dB	90Hz - 17 kHz	100° x 40°	7	460 x 189 x 182.7
CW-26	Mid-high	8	250 / 1000 W	114 / 120 dB	85Hz - 18.5 kHz	120° x 40°	12	200 x 460 x 255
CW-28	Full range	8	400 / 1600 W	122 / 128 dB	65Hz - 18.5 kHz	160° x 40°	21	354 x 460 x 360
CT-8	Full Range	16	200 / 800 W	115 / 121 dB	70 Hz - 19 kHz	90° x 40°***	14.5	504 x 290 x 226.8
CT-10	Full Range	8	300 / 1200 W	123 / 129 dB	70 Hz - 19 kHz	90° x 40°***	19	574 x 320 x 260
CT-12	Full Range	8	450 / 1800 W	129 / 135 dB	55 Hz - 20 kHz	60° x 40°***	28	726 x 380 x 320
CT-15	Full Range	8	600 / 2400 W	130 / 136 dB	45 Hz - 20 kHz	60° x 40°***	38	806 x 450 x 427.9
CS-208	Subwoofer	8	250 / 1000 W	122 / 128 dB	55 Hz - 130 Hz	Omni	20	259 x 600 x 450
CS-212	Subwoofer	4	400 / 1600 W	125 / 131 dB	50 Hz - 110 Hz	Omni	35	358.3 x 790 x 550
CS-15	Subwoofer	8	400 / 1600 W	126 / 132 dB	50 Hz - 120 Hz	Omni	32	483.3 x 475 x 500
CS-18	Subwoofer	8	800 / 3200 W	131 / 137 dB	45 Hz - 130 Hz	Omni	48	584.3 x 576 x 600
CS-18H	Subwoofer	8	700 / 2800 W	133 / 139 dB	45 Hz - 120 Hz	Omni	72	1162 x 576 x 746
CS-218	Subwoofer	4	1400 / 5600 W	135 / 141 dB	37 Hz - 120 Hz	Omni	89	584.3 x 1156 x 746

Commercial

CL-0T	Full range	8 / 100 V	6 / 24 W	93 / 99 dB	110 Hz - 20 kHz	140° Conical	0.42	Ø103 x 80
CL-1T	Full range	8 / 100 V	15 / 60 W	99.5 / 105.5 dB	80 Hz - 20 kHz	140° Conical	0.9	Ø203 x 86
CL-3T	Full range	8 / 100 V	20 / 80 W	103 / 109 dB	60 Hz - 20 kHz	140° Conical	1.4	Ø273 x 100
CL-1TD	Full range	8 / 100 V	15 / 60 W	99 / 105 dB	150 Hz - 20 kHz	140° Conical	1.7	Ø230 x 145
CL-2TD	Full range	8 / 100 V	30 / 120 W	102 / 108 dB	90 Hz - 20 kHz	140° Conical	2.2	Ø230 x 150
CL-3TD	Full range	8 / 100 V	40 / 160 W	103 / 109 dB	50 Hz - 20 kHz	140° Conical	3.1	Ø270 x 185
CL-SUB	Subwoofer	8 / 100 V	50 / 200 W	108 / 114 dB	40 Hz - 200 Hz	Omni	4	Ø280 x 192
OS-12	Full range	8 / 100 V	200 / 800 W	118 / 124 dB	65 Hz - 16 kHz	360° x 140°	17.5	Ø520 x 520
HGW-8	Subwoofer	16	120 / 480 W	112 / 118 dB	55 Hz - 200 Hz	Omni	12	310 x 290 x 390
HGW-10	Subwoofer	8	250 / 1000 W	123 / 129 dB	55 Hz - 110 Hz	Omni	20	425 x 305 x 800
HGW-12	Subwoofer	8	300 / 1200 W	120 / 126 dB	44 Hz - 110 Hz	Omni	23	350 x 410 x 525
AS-5 / T*	Full Range	8 / 100 V	30 / 120 W	103 / 109 dB	95 Hz - 19 kHz	90° Conical	3.5	210 x 280 x 148.5
AS-8 / T*	Full Range	8 / 100 V	65 / 260 W	109 / 115 dB	65 Hz - 19 kHz	90° Conical	5.5	284 x 375 x 215
KS-1 / T *	Full Range	8	60 / 240 W	102 / 108 dB	90 Hz - 20 kHz	100° x 100°	3.5	192 x 257 x 192
KS-3 / T*	Full Range	8	125 / 500 W	109 / 115 dB	75 Hz - 20 kHz	100° x 100°	5.5	248 x 350 x 234
VLA	Mid High	4	200 / 800 W	121 / 127 dB	155 Hz - 11 kHz	10° x 120°	13	1000 x 160 x 160
BootiQue	Satellite	16	50 / 200 W	106 / 112 dB	150 Hz - 20 kHz	90° x 90°	1.75	140 x 140 x 132

Active System Subwoofers

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
BootiQue	Subwoofer	N/A	N/A	115 dB Peak	50 Hz - 150 Hz	Omni	27	342 x 330 x 500
AS-B	Subwoofer	N/A	N/A	123 dB Peak	48 Hz - 150 Hz	Omni	38	313 x 670 x 580



quick guides

Product Specifications

Model	Type	Impedance (Ohms)	Power Cont / Peak	MAX SPL Cont / Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
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Live Sound

HD-BB	Subwoofer		2 x4	2 x 1500 / 2 x 6000 W	138 / 144 dB	37 Hz - 130 kHz	Omni	133.5	1156 x 577 x 855
HD-MH	Mid-high	HF	16	80 / 320 W	136 / 142 dB	90 Hz - 23 kHz	40° x 20°	109	1156 x 577 x 855
HD-MH		Mid	16	160 / 640 W					
HD-MH		LF	16	500 / 2000 W					
HD-MX12	Full Range	HF	16	80 / 320 W	125 / 131 dB	75 Hz - 20 kHz	60° Conical	18.5	334 x 500 x 451
		LF	8	500 / 2000 W					
HD-MX15			HF	16	80 / 320 W	125 / 131 dB	65 Hz - 20 kHz	60° Conical	20
		LF	8	500 / 2000 W					
Ersa Minor	Full Range	HF	16	100/ 400 W	129 / 135 dB	125 Hz - 20 kHz	Dependant on Array	10	189 x 410 x 177.5
		Mid	32	250 / 1000 W	119 / 125 dB				
Vela	Full Range	HF	32	100 / 400 W	130 / 136 dB	55 Hz - 20 kHz	100° Horizontal Vertical ***	23.1	250 x 576 x 300
		LF		400 / 1600 W	119 / 125 dB				
Ersa Major	Full Range	HF	16	80 / 320 W	137 / 143 dB	100 Hz - 20 kHz	120° x 10°	46	291.3 x 700 x 650
		Mid		160 / 640 W					
		LF		500 / 2000 W					
TRS-112	Full range		8	300 / 1200 W	124 / 130 dB	83 Hz - 19 kHz	90° x 40°	24	575 x 398 x 278.8
TRS-115	Full range		8	500 / 2000 W	127 / 133 dB	85 Hz - 19 kHz	60° x 40°	36	700 x 506 x 334.5
TRS-112HN	Mid-high	HF	16	80 / 320 W	127 / 133 dB	125 Hz - 20 kHz	H. 30° to 40° V. 5° to 25°	32	580.3 x 568 x 450
		Mid	8	500 / 2000 W	129 / 135 dB				
TRS-212	Full range		4	625 / 2500 W	134 / 140 dB	80 Hz - 20 kHz	60° x 40°	54	954.3 x 573.3 x 446
TRS-118	Subwoofer		8	650 / 2600 W	126 / 132 dB	33 Hz - 111 Hz	Omni	49	584.3 x 576 x 746
TRS-218	Subwoofer		4	1250 / 5000 W	135 / 141 dB	30 Hz - 300 Hz	Omni	90	584.3 x 1156 x 746
INFRA-SUB	Subwoofer		4	2400 / 9600 W	135 / 141 dB	24 Hz - 45 Hz	Omni	96	584.3 x 1156 x 900

Active Cabinets

Active Model	Type	Power (RMS)	MAX SPL Peak	Freq Resp (-3dB)	Dispersion	Weight (kgs)	Dimensions H x W x D (mm)
Active Monitor	Full range	LF 400 W + HF 400 W	129 dB	60 Hz - 20 kHz	60° x 40°	23.5	507 x 470 x 315
Active-13	Full range	LF 400 W + HF 400 W	129 dB	60 Hz - 20 kHz	60° x 40°	23.5	558.3 x 410 x 350
Active Sub	Subwoofer	800 W	131 dB	45 Hz - 105 Hz	Omni	34.8	758.3 x 525 x 450
VLA Active Top 4 Ohm	Mid-high	400 W	126 dB	200 Hz - 20 kHz	10° x 70°	13	1000 x 160 x 160
VLA Sub	Subwoofer	400 W	126 dB	50 Hz - 250 Hz	Omni	32	1000 x 250 x 380

*T denotes 100 V transformer version. Please visit the website for tapping information

** Rotational horn

*** Dependant on array design

As part of our continuous R & D programme, **OHM(UK)LTD** reserves the right to change the specifications without prior notice. E. & O. E.

serious about sound

Client Endorsements

how others see Ohm

Alton Towers Resort – Staffordshire, UK



CBeebies Land, the latest attraction at Alton Towers Resort opened this year to the delight of pre-school children who have been brought up watching the very popular BBC channel.

The sound systems for all of CBeebies Land has been provided by OHM with over one hundred CT-6, CT-26 and CW-28 cabinets, finished in eight colours to match the décor of the different areas. Outdoor speakers have been coated in polyurea to withstand the British weather.

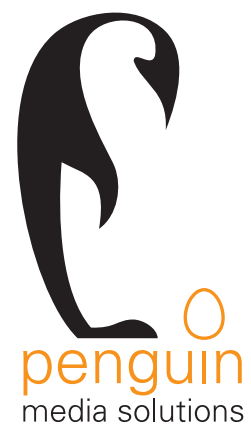
The Big Fun Show-time arena has four HD-MH top cabinets with four CS-18H subs in cardioid arrangement to reduce noise pollution.

Dave Reynolds from the resort's technical department had an easy choice. "The quality you get for the price that we paid outweighed going with other manufacturers. OHM is just down the road, so we can phone them up if we need something; they're great for support. Other manufacturers did offer outdoor speakers, but they weren't quite as large as OHM who offered to waterproof the speakers and customise them to whatever we needed, and obviously they sound great"

Penguin Media Solutions - Cargo – Kent UK

Brighton-based pro audio, video and lighting integrator, Penguin Media Solutions, has recently completed an extensive installation into the University of Kent's new student bar, bistro and live venue, Cargo.

Dylan Thompson, Penguin's Director of Operations, says "We wanted to offer Cargo a simple, versatile but eminently capable system that will provide many years of reliable, consistent use. By using quality components from Ohm, we lose no sleep at night in that respect! It was especially important to us that the quality in the products, the audio fidelity and in the installation itself was plain to see – every one of our installations is a demo venue for us and we're happy to see Cargo hitting their capacity and full of happy students!"



how others see Ohm

Client Endorsements

Wigwam Acoustics – Heywood, UK

David Hopkinson, Special Projects Manager at Wigwam Acoustics, commenting on the use of CW-28 at the world famous Welsh festival.

“Thank you for all your help with the outdoor system at the Llangollen International Eisteddfod.



“As I explained when we discussed the outdoor loudspeaker system, as the Eisteddfod is a competition, there is a high expectancy from the audience and clarity of the system is crucial, coverage is also vital but the system needs to sound natural.

“This has been a problem area at times due to being outside and open to the elements, also there can be a lot of activity outside the main venue, so we have to get clarity rather than volume, but with the Ohm system I’d say we achieved all the above and no complaints!”

Hard Rock Café – Almaty, Kazakhstan

The sound system for the first Hard Rock Café to open in Kazakhstan was designed and installed by OHM distributor, Audio Visual Technology. They opened in October 2014

Hardrocks General Manager Oksana Vodneva commented:

“It was critical for us to get the sound right for our newest Hard Rock Cafe. That’s why we’re so happy we chose Ohm. Their Total Clarity high performance sound system is integrated beautifully into our venue, so we’ve opened our doors, and we’re ready to rock!”

Bellona Boat Concept restaurant - Lyon, France

The Bellona Boat is a floating restaurant and disco on the river Rhone in Lyon which can accommodate over 1000 people. Will Mallan of Ohm’s French distributor, Accore Diffusion, designed and supervised the installation of the system.

‘Captain’ of the Bellona Boat, Gregg Armato said

“Because of numerous technical and structural constraints, to make a sound system that sounded good was a challenge. Will and OHM have met this challenge by proposing a very high quality solution. We have achieved a powerful, well rounded, high definition system.



“Our guest artists, such as Louie Vega, Gui Boratto, Ron Trent and Ellen Allien have complimented us on the sound system. We are proud to have trusted Ohm.”

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