

total clarity

2013 catalogue

demand total clarity

When it comes to style, quality and audio performance Ohm has been leading the way for forty years.

Now Ohm is proud to announce the all-new total clarity range of premium performance loudspeaker products, designed for installation and mobile applications.

A loudspeaker has many components that interact in subtle ways to produce sound. Under the guidance of company founder Jo Olenski, Ohm's R&D team have been researching and optimising these interactions since the birth of the company.

All this experience is combined in the stunning new **total clarity** high performance speakers. They bear testament to the attention to detail, outstanding finish quality and phenomenal audio performance demanded by Mr Olenski, along with the famed Ohm clean, stylish design

Ohm is justifiably proud of its British pedigree, retaining and investing in all manufacturing processes in the UK. The resulting speed and optimisation of product design is crucial in delivering the ultimate in audio and product quality.

All over the world from the glaciers of Greenland to the Vietnamese jungles Ohm sound systems provide you with high quality sound reinforcement realising **total clarity**.

total clarity

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music
is
what feeling
sounds like



applications & technology


Finland

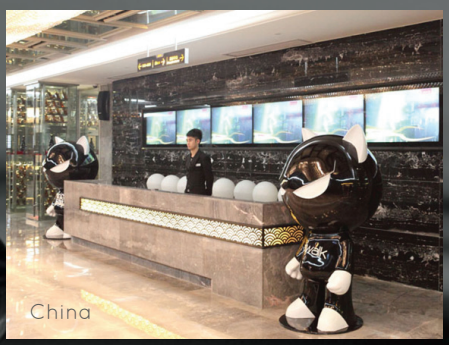

UK


Wales


India


UK


Belgium


China


Slovakia


Germany


UK





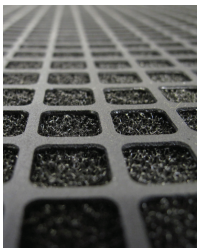




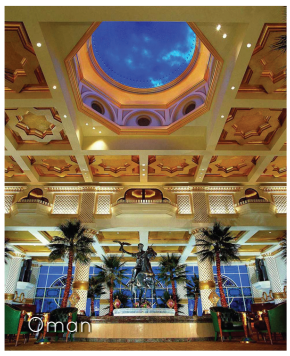












Ohm Technology

Structurally rigid cabinets with Zero Acoustic Signature bracing technology

Screwed and glued cabinets with generous port size ratios

Drivers designed and manufactured by Ohm to perform in harmony with the cabinets

Proprietary sandwiched voice coils with up to four layers for power handling and linearity

Ohm designed horns for precise dispersion control

Phase aligned and impedance corrected internal crossovers with appropriate EQ

High cross sectional area printed circuit traces for maximum damping factor

Custom Ohm Hi-Q inductors and high voltage capacitors

total clarity series



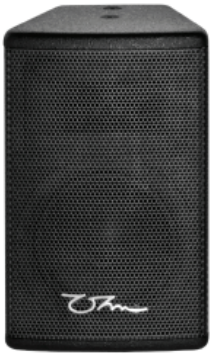
CT background

CT-6 & CT-26 for background & delay applications

CT-6 and CT-26 are dedicated background cabinets designed for high quality installation use. Utilising custom designed 6" speakers comprising of 4 layer sandwich 35 mm voice coils with true piston cone and a 1" coil, horn loaded HF compression device along with phase aligned, impedance corrected internal crossovers these speakers give natural, open and well controlled sound.

Using these components would mean nothing if the standard of the cabinet was not of a superior quality, so to minimise resonance and colouration even the smallest cabinets within the range are made from wood.

All of this together results in total clarity.



CT-6

Key Features / Technology

- 3 mounting points for Ohm hardware
- Optimal dispersion for background sound
- Well balanced voicing for low and medium sound levels
- Up to 8 cabinets to one amplifier offers a cost effective solution

Use For

High quality background music & speech applications

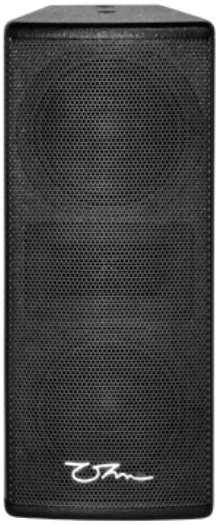
Use With

Small and medium CS subwoofers for enhanced performance

Ohm amplifiers, controllers & software

Mounting Options

Uses tailor made Ohm cradle and bracketry



CT-26

Key Features / Technology

- Increased SPL over CT-6
- Enhanced vertical dispersion control
- Shared voicing with CT-6 allows perfect mix and match options

Use For

Installations requiring tight vertical dispersion control

Conferencing and delay applications

Use With

Small and medium CS subwoofers for extended low frequencies and higher SPL

Ohm amplifiers, controllers & software

Mounting Options

Uses tailor made Ohm cradle and bracketry

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 / 600W	112 / 118 dB	68Hz - 21.2 kHz	100 x 40	4	300x190x185
CT-26	Mid-high	8	250 / 1000W	115.5 / 121.5 dB	74Hz - 20.9 kHz	100 x 40	7	460x190x185

*technical specifications are preliminary and subject to confirmation

total clarity series



CW wide dispersion

CW-26 & CW-28 for background and AV applications

The CW-26 and CW-28 are the specialised solution for applications where a wide and constant coverage is required from a sound system that is totally unobtrusive

Carefully engineered crossover points along with custom designed low frequency drivers and diffraction horn gives a true and constant wide dispersion coverage even at the upper operating range, eliminating lobing which is common in this type of design.





CW-26

Key Features / Technology

• Dual custom 6" LF drivers with 1" 44 mm voice coil HF compression driver
• Low profile trapezoidal cabinet allows for easy installation in wall to ceiling junctions
• Vertical arrayable up to 4 boxes in one cluster

Use For

Installations requiring smooth and even wide coverage from single loudspeakers

Use With

Small and medium CS subwoofers for extended low frequencies

Ohm amplifiers, controllers & software

Mounting Options

Side mounting points for installation brackets, cradle and vertical array plates

Bottom mounting point tilt and turn hardware

CW-28

Key Features / Technology

• Dual Ohm 8" LF 2.5" coil drivers with 1" 44 mm voice coil compression driver
• Shared voicing with the CW-26 allows mix and match system design
• Increased SPL over the CW-26 when extra power is required

Use For

Installations & AV applications requiring high SPL, wide and smooth coverage

Use With

Medium and large CS subwoofers for enhanced low frequencies

Ohm amplifiers, controllers & software

Mounting Options

Two mounting points for installation brackets, cradle, tilt and turn hardware and second fix

TH-1 top hat fitted as standard

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 / 1000W	118 / 124 dB	70Hz - 20.2 kHz	120 x 40	12	200x460x255
CW-28	Full range	8	400 / 1600W	119 / 125 dB	65Hz - 18.5 kHz*	160 x 40	21	350x460x360

Technical specifications are preliminary and subject to confirmation
* Frequency Response -3dB

total clarity series

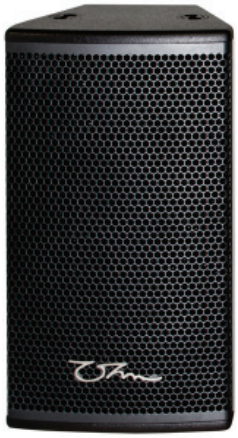


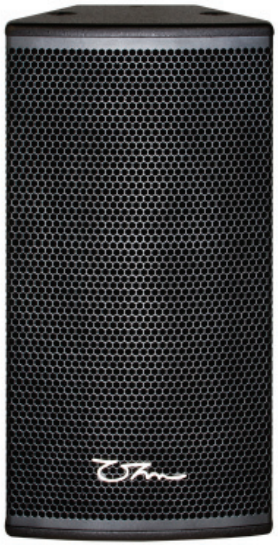
CT main systems

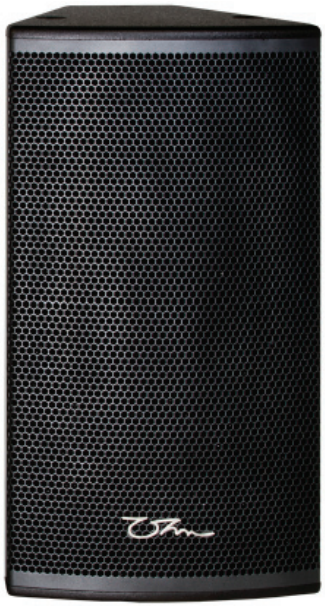
CT-10, CT-12 & CT-15 for main systems and arrays

CT-10, CT-12 and CT-15 are the largest top cabinets in this range. Designed for both install and mobile use these speakers offer great flexibility to suit even the most difficult applications. Side walls with 20 degree wall angle together with 40 degree horizontal dispersion and the rotatable horn allows true seamless point source arrays to be created easily with the innovative flying system.

Phase and impedance corrected crossover networks are designed for high power applications and the use of external EQ provides unrivalled tonal balance and transient response. Used with the CS subwoofers these systems will provide a very high SPL with total clarity.







CT-10

Key Features / Technology

- Matching voicing with the CW cabinets.
- Rotatable 90 x 40 horn
- High SPL in a compact cabinet

Use For

Small and medium installs and AV full range applications

Use With

Medium to large CS subwoofers
Ohm controller & software is required

Mounting Options

TH-1 top hat fitted as standard

Brownline compatible flying points top, bottom and back

CT-12 & CT-15

Key Features / Technology

- True full range performance
- Rotatable 60 x 40 horn
- Full range for standalone use where space is constricted

Use For

Installations & AV applications requiring high SPL, wide and smooth coverage

Use With

Large CS subwoofers
Ohm controller & software is required

Mounting Options

TH-1 top hat fitted as standard

Brownline compatible flying points top, bottom and back

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-10	Full Range	8	300 / 1200 W	126 / 132 dB	63 Hz - 19.1 kHz	90 x 40	19	570x320x260
CT-12	Full Range	8	450 / 1800 W	125 / 131 dB	55 Hz - 21.5 kHz	60 x 40	28	720x380x320
CT-15	Full Range	8	600 / 2400 W	124 / 130 dB	38 Hz - 23 kHz	60 x 40	38	800x450x430

*technical specifications are preliminary and subject to confirmation

total clarity series



CS subwoofers

CS-15 & CS-18 for small and medium applications

CS-15 and CS-18 are designed to fulfil the need for extended bass response in small and medium applications in both install and mobile use. Utilising bandpass technology with large letter box ports these cabinets are able to provide high sound levels with low port compression and distortion.

Equipped with Ohm's stacking cup and feet system and a top plate with M20 threading both units are suitable for mobile use as a sub / sat system using for example CW-28 or CT-10 top cabinets. Maximize the sound quality - minimise transportation costs and space requirements.





CS-15

Key Features / Technology

• Ohm 15" long throw driver with 3" sandwich voice coil
• Grille-less design to optimise the performance and colour options for installs
•Small size allows cabinet to be placed in venues with space issues

Use For

Small installs and mobile use

Use With

Small CT & CW top cabinets

Ohm amplifiers, controllers & software

Mounting Options

M20 threaded top plate for pole mounting the satellite speakers

CS-18

Key Features / Technology

• Ohm 18" long throw driver with 4" sandwich voice coil
• Grille-less design to optimise the performance and colour options for installs
• Extended bass response

Use For

Small and medium installs and mobile use

Use With

Small and medium CT & CW tops

Ohm amplifiers, controllers & software

Mounting Options

M20 threaded top plate for pole mounting the satellite speakers

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	124 / 130 dB	50 Hz - 130 Hz	Omni	32	475x475x500
CS-18	Subwoofer	8	800 / 3200 W	126 / 132 dB	45 Hz - 130 Hz	Omni	48	576x576x600

*technical specifications are preliminary and subject to confirmation

total clarity series



CS subwoofers

CS-18H and CS-218 for clubs and live music venues

CS-18H and CS-218 offer a serious punch in very manageable sized enclosures which borrow their dimensions from the world famous and well approved Ohm TRS-series subs. CS-18H uses the quarter-wave horn loading technique to maximize the output from the single Ohm 18" drive unit. Extending down to 45Hz from the single driver enclosure with the sensitivity matching the double driver cabinets makes this subwoofer an excellent solution for install use.

CS-218 is a reflex loaded cabinet utilising dual Ohm 18" drivers in the same physical size as the CS-18H. This cabinet is designed for both installs and mobile use and has well positioned ergonomical handles as well as wheel mounting points at the back of the enclosure. Special port design combined with the separate chambers for each driver provides very accurate and tight sound.





CS-18H

Key Features / Technology

• Ohm 18" driver with 4" sandwich voice coil for low power compression
• Handle free design for installs allows full color options
• Up to 4 cabinets from one amplifier

Use For

Medium and large installs

Use With

Multiple CS-18H for extended low frequency performance
Large CT tops
Ohm amplifiers and controllers with Ohm control software

Options

Full custom colouring options to match all interiors

CS-218

Key Features / Technology

• Double Ohm 18" driver with 4" sandwich voice coil for low power compression
• Carefully placed ergonomic handles for easy handling
• Kick proof concave grille

Use For

Medium scale mobile
Medium and large installs

Use With

Large CT tops
Ohm amplifiers and controllers with Ohm control software

Mounting Options

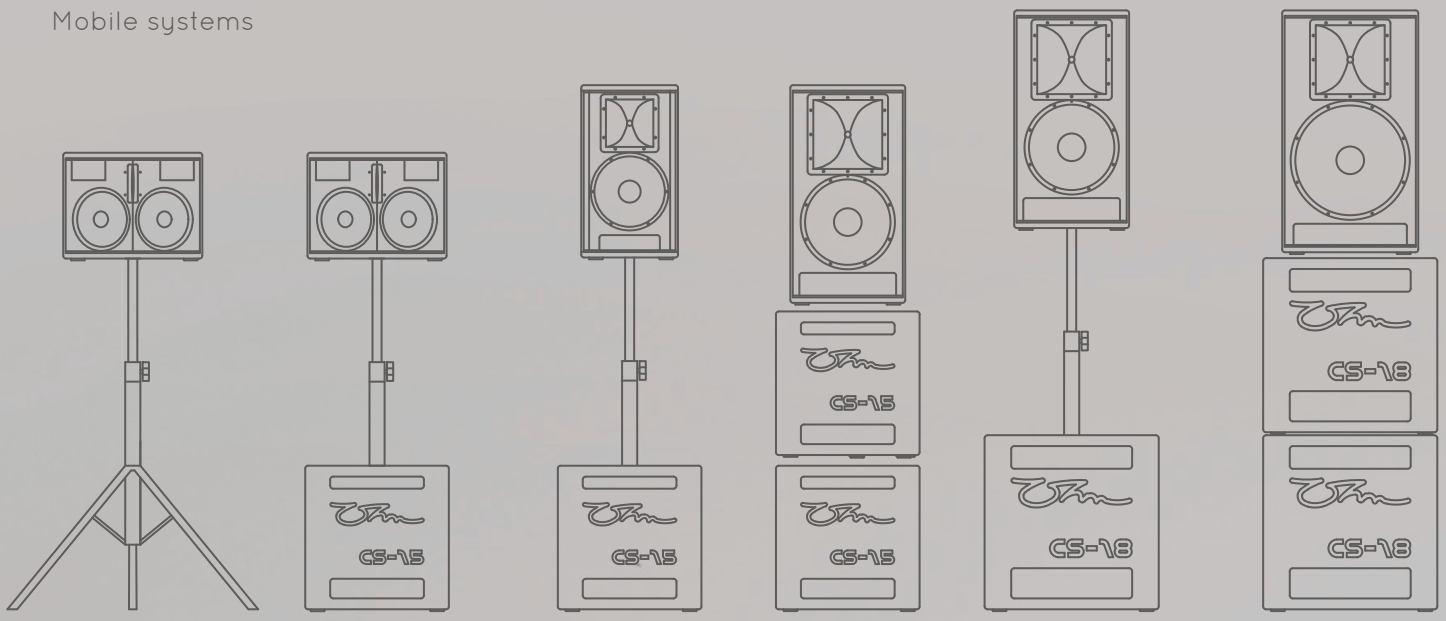
Wheel mounting points
Optional M20 threaded mounting plates for pole mounting the CT tops.

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	1000 / 4000 W	131 / 137 dB	45 Hz - 110 Hz	Omni	72	1156x576x746
CS-218	Subwoofer	4	1400 / 5600 W	132 / 138 dB	45 Hz - 120 Hz	Omni	89	1156x576x746

*technical specifications are preliminary and subject to change

system examples

Mobile systems



CW-28

CW-28
CS-15

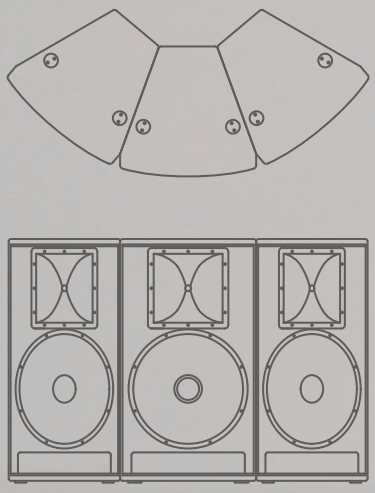
CT-10
CS-15

CT-12
CS-15 x 2

CT-12
CS-18

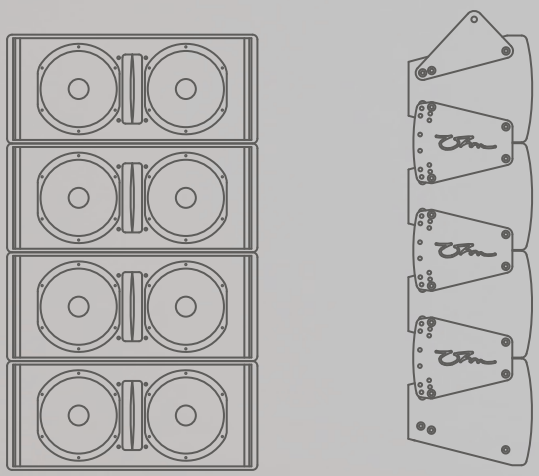
CT-15
CS-18 x 2

horizontal array



CT-10 / CT-12 / CT-15

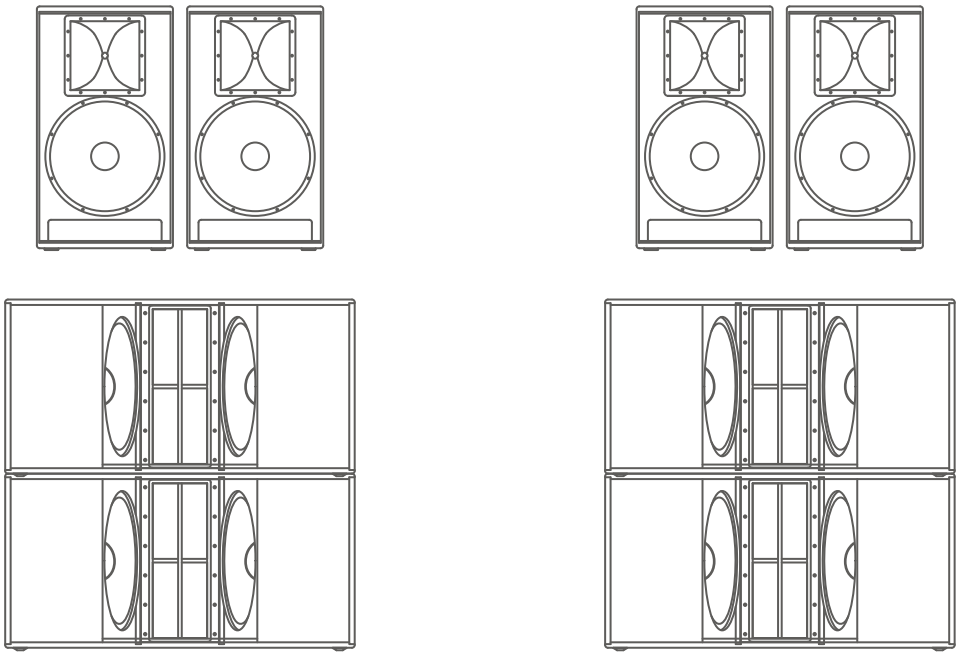
vertical array



CW-26
*not to scale

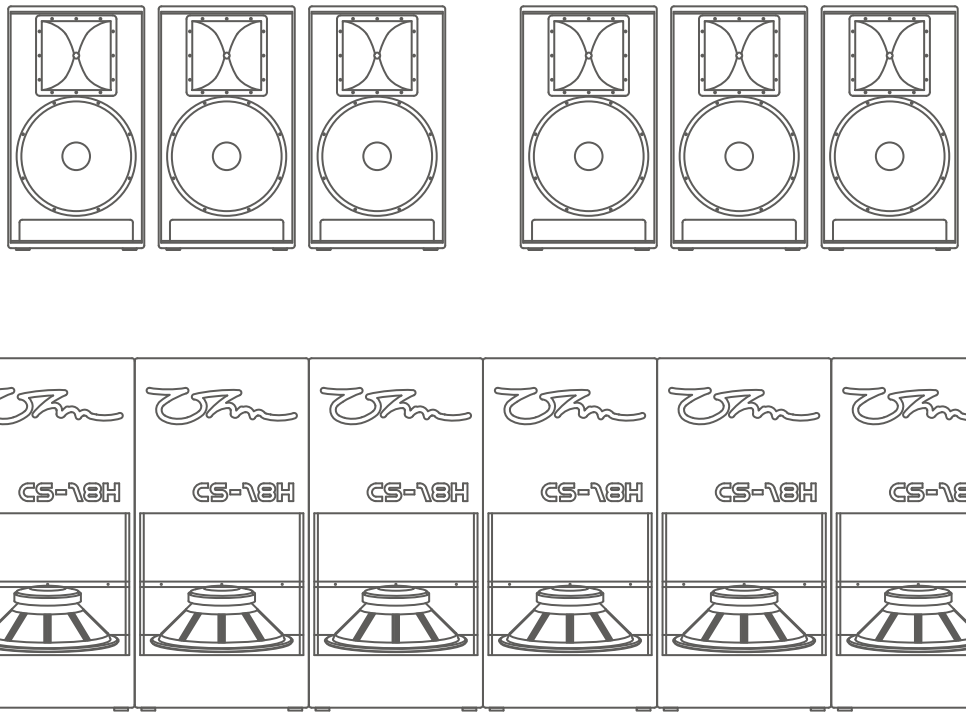
system examples

ground stack



CT-15 x 4
CS-218 x 4

large club system



CT-15 x 6
CS-18H x 6

mounting options

The Ohm total clarity range is complemented by a wide range of mounting hardware for both installation and mobile use.

Of special note are the ABS-1 and ABT-1 indexed tilt and turn mounts with integral spring loaded plungers giving highly accurate, repeatable and vibration proof adjustments.

CW-26 wide dispersion loudspeakers can be easily vertically arrayed for installations using the CPW-26 cabinet to cabinet adjustable angle end plates and the CPH-26 top mounting.

Mobile applications are well catered for with SS-1, TP-1, TH-1 and the new ABS-1 pole mounting system components, whilst the ST-CP castor pack makes light work of movement.

Conventional wall mounting is facilitated using Ohm cradles and wall brackets. Flying applications are covered by CFPK and CFEK mounting points and eyes.



CC-6 / CC-26

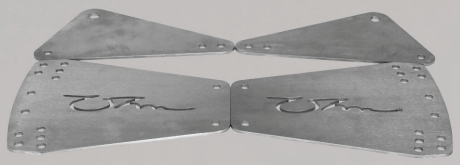


CCW-26



CCW-28

CPH-26



CPW-26



SS-1



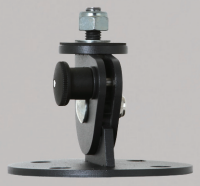
TP-1



CFPK



ABS-1



ABT-1



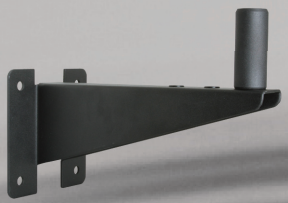
CFEK



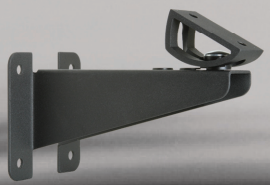
TH-1



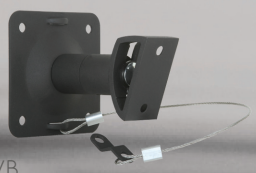
TP-1P



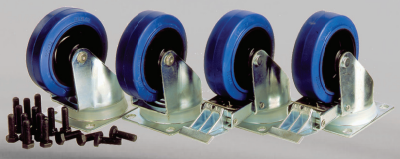
LWB



SWB



HWB



ST-CP

mounting options

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.

● 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.

	CC-6 CT-6 Wall, ceiling cradle, complete with handwheels	**CC-26** CT-26 Wall, ceiling cradle, complete with handwheels	**CCW-26** CW-26 Wall, ceiling cradle, complete with handwheels	**CC-28** CW-28 Hanging cradle, complete with handwheels	**CPW-26** CW-26 Connector plate	**CPH-26** CW-26 Hanging plate	**ABS-1** Adjustable bracket, stand type	**ABT-1** Adjustable bracket, threaded spigot type	**HWB** Horizontal pan and tilt wall bracket	**SWB** Small pan and tilt wall bracket	**LWB** Large wall bracket fitted with a 35mm spigot	**TH-1** Cast aluminium top hat	**SS-1** Heavy duty adjustable tripod speaker stand, 35mm	**TP-1** Adjustable threaded pole	**TP-1P** Threaded mounting plate for adjustable threaded pole	**CFEK** Set of 3 flying eyes	**CFPK** Recessed flying points	**ST-CP** Castor pack (4) including hardware
CT-6	●								●	●								
CT-26		●							●	●								
CW-26			●		●	●	●	●			●		●	●				
CW-28				●			●	●			●	○	●	●				
CT-10							●	●			●	○	●	●		●	○	
CT-12							●	●			●	○	●	●		●	○	
CT-15							●	●			●	○	●	●		●	○	
CS-15														●	○			
CS-18														●	○			
CS-18H																		
CS-218															●			●



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