

HIGH PERFORMANCE ARCHITECTURE

> Monitor Audio's in-wall and in-ceiling speakers are engineered - wherever you decide to experience dynamic music and film architectural speakers bring innovation to every application harmony all around your home.

for high performance, reliability and ease-of-use. They've sound, there's an in-wall or in-ceiling speaker that's perfect been developed using the advanced driver technologies of for the role, expertly optimised for rhythmic wideband audio, our award-winning hi-fi speaker ranges to deliver world- seamless room integration and easy, secure installation. famous sound quality without compromising room design. If you love your décor and appreciate great audio, you needn't Available across four performance levels, Monitor Audio's compromise: Monitor Audio's architectural speakers will create

PERFORMANCE GUIDE

To achieve a harmony of space and sound for every possible application, we've built a wide range of in-wall and in-ceiling options across four performance levels: good/better/best/flagship, all featuring our core speaker technologies and as always, our renowned design and construction quality.

Good: 100 Series 2-way Loudspeakers

All 100 Series loudspeakers incorporate the proprietary technologies and materials found in our award-winning Radius HD series. 100 Series models are 2-way designs that combine advanced MMP®II bass drivers with Monitor Audio's trademark C-CAM® gold dome tweeter to provide high performance sound, ease-of-drive, and wide frequency response and dispersion. Optimum imaging and set-up are established via a pivoting tweeter and high-frequency (+3dB / OdB / -3dB) level adjustment.

Better: 200 Series 2-way Loudspeakers

The step to the 200 Series 2-way loudspeakers is defined by upgrades in driver technology and control features. All 200 Series loudspeakers incorporate the proprietary technologies and materials found in our highly acclaimed Silver series and Bronze series in-room loudspeakers and in the Climate all-weather speakers. 200 Series models marry C-CAM bass drivers with a more highly specified version of the C-CAM gold dome tweeter. Optimum imaging and set-up are established via a pivoting tweeter, high frequency (+3dB / OdB / -3dB) level adjustment, and boundary compensation (on / off) controls. The 200 Series 2-way loudspeakers provide an extended high-frequency response to 30kHz, and higher output and power handling capacity than the 100 Series 2-way models.

Best: 200 Series 3-way Loudspeakers with IDC®

200 Series 3-way loudspeakers feature our unique Inverted Dual Concentric (IDC) driver module. The IDC driver module houses a 4" C-CAM midrange and 1" C-CAM gold dome tweeter.

200 Series 3-way models combine C-CAM bass drivers with an FX Surround Loudspeakers IDC driver module to provide rich midrange detail, higher system The FX Surround loudspeaker models feature selectable output, greater power handling, and superior vocal intelligibility dipole (diffuse sound) or bipole (direct sound) modes for use and sound localisation than 200 Series 2-way models. Optimum as surround speakers in discreet home theatre applications. imaging and set-up are established via the pivoting IDC, high Both models utilise a front-mounted switch, to change the compensation (on / off) controls. As well as more conventional for automatic surround mode switching. The CT265-FX and their dispersion characteristics and acoustic properties.

Flagship: 300 Series 3-way Loudspeakers with IDC

Our flagship 300 Series 3-way loudspeakers provide the best Monitor Audio in-wall and in-ceiling loudspeaker options for **T2 Stereo Loudspeakers** music and home theatre applications. All 300 Series loudspeakers Our T2 Stereo models feature dual, independent, pivoting incorporate proprietary technologies and materials found in our 1" C-CAM tweeters, and 6.5" (CT165-T2) or 8" (CT180-T2) Metal award-winning Apex, Silver and Gold ranges. 300 Series 3-way Matrix Polymer (MMP II) dual wound voice coil bass drivers for models marry C-CAM bass drivers with Rigid Surface Technology high performance stereo sound from a single speaker. The T2 (RST®) cone profiles and a cast-aluminium driver chassis with an models are ideal for smaller rooms, hallways, or any area where IDC driver module to provide deeper bass, higher system output, space does not allow for stereo pairs. and greater power handling than the 200 Series 3-way models.

Like the 200 Series 3-way loudspeakers, 300 Series models provide rich midrange detail, and superior vocal intelligibility and sound localisation. Optimum imaging and set-up are established via the pivoting IDC, high-frequency (+3dB / OdB / -3dB) level adjustment, and boundary compensation (on / off) controls. The WT380-IDC in-wall loudspeaker adds a midrange-frequency level adjustment for system tuning and a die-cast aluminium front baffle for added rigidity, resulting in superior bass articulation.

frequency (+3dB / 0dB / -3dB) level adjustment, and boundary surround mode. The CT380-FX features a 12-volt trigger input use, the CT265-IDC is ideally suited to Atmos applications due to CT380-FX models use dual 1" C-CAM gold dome tweeters mounted at a precise fixed-angle for optimised performance. The CT265-FX has a 6.5" C-CAM bass driver. The CT380-FX has an 8" C-CAM bass driver with RST cone profile and a cast aluminium driver chassis.

PERFORMANCE AT A GLANCE			BETTER	BEST	FLAGSHIP	FX SURROUND	T2 STEREO
	CT180 In-Ceiling 2-Way	•					
	CT280 In-Ceiling 2-Way		•				
8" In-Ceiling	CT280-IDC In-Ceiling 3-Way			•			
o in-ceiding	CT380-IDC In-Ceiling 3-Way				•		
	CT380-FX In-Ceiling Surrounds					•	
	CT180-T2 In-Ceiling Stereo						•
	CT165 In-Ceiling 2-Way	•					
	CT265 In-Ceiling 2-Way		•				
6.5" In-Ceiling	CT265-IDC In-Ceiling 3-Way			•			
	CT265-FX In-Ceiling Surrounds					•	
	CT165-T2 In-Ceiling Stereo						•
	WT180 In-Wall 2-Way	•					
0" I- W-II	WT280 In-Wall 2-Way		•				
8" In-Wall	WT280-IDC In-Wall 3-Way			•			
	WT380-IDC In-Wall 3-Way				•		
	WT165 In-Wall 2-Way	•					
6.5" In-Wall	WT265 In-Wall 2-Way		•				



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FEATURES



'Trimless' Grilles

All speakers feature near invisible, easy-to-install 'trimless' grilles. The grilles attach magnetically to the speaker frame, allowing removal and re-fixing in seconds. Their stealthy appearance favours discreet, décor-friendly installation.



Patented Tri-Grip® Fixing Clamps

The Tri-Grip mounting clamps feature three clamping points per dogleg, providing three times the clamping surface area of conventional single-point clamping speakers. Our wider three-point clamps provide a better seal between the speaker and the ceiling, maximising bass response and midrange clarity.



Easy Handling during Installation

All models feature protective crossover covers designed to prevent the ingress of loose building materials and dust into the drivers and crossover. The protective covers also make handling easy, and protect the crossover components from damage during installation.



Paintin

To achieve seamless decor integration, the trimless grilles can be painted. A replacement scrim is included to ensure the stealthy presence of the speaker is maintained after painting.



Adjustable Response Controls

Optimum imaging and set-up are established via pivoting tweeters, pivoting IDC driver modules, high-frequency, midrange-frequency, and/or boundary compensation controls (depending on model). The boundary compensation control provides a gentle midrange roll-off response while preserving extreme low frequency output when the speaker is placed close to ceiling and wall boundaries.



Pre Construction Brackets

Pre construction brackets are available for all models as an accessory to help mark speaker placement during framing and prior to sheetrock application. The brackets will span up to 24-inch stud spacing. New construction brackets are not required for retrofit applications.





C-CAM

C-CAM (Ceramic-Coated Aluminium Magnesium) is an innovative alloy material originally developed by the aerospace industry for use in the construction of jet engine blades where low mass and extreme rigidity are required. Monitor Audio C-CAM driver cones are formed from an alloy of aluminium and magnesium, which is shaped by a two-stage high pressure forming technique. After forming, a layer of pure ceramic (alumina) is depleted onto the surfaces to give a completely rigid exterior. The resulting properties are lightning-fast response for incredible clarity and extreme rigidity for low distortion.



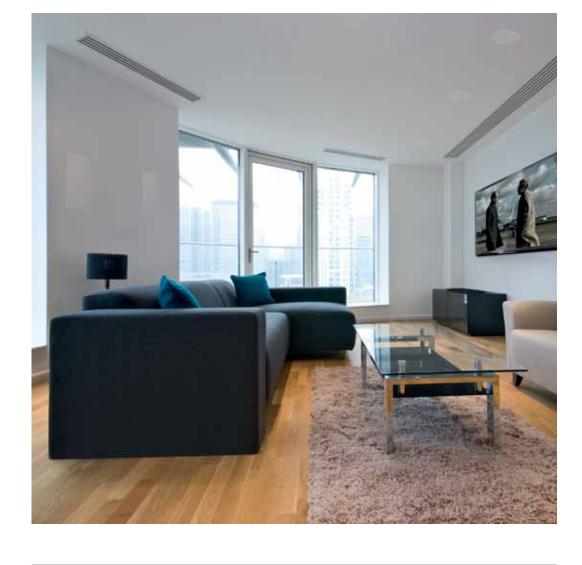
MMP

MMP II (Metal Matrix Polymer) driver cones have a polypropylene base loaded with metallic particles for a rigid and responsive structure. A high pressure, injection-moulded process achieves a different cone thickness at critical points to optimise stiffness and consistency, resulting in superior sonic performance.



RST

The dimpled surface of C-CAM drivers with the RST cone profile provides the driver surfaces with a greater degree of resistance to mechanical bending forces. The dimples significantly increase cone rigidity and allow us to use thinner and therefore lighter C-CAM cones. The dimpled RST pattern also displaces any standing waves that can propagate across the cone surface. C-CAM drivers with the RST cone profile provide speed and accuracy, while virtually eliminating the distortion caused by cone-flex during operation.

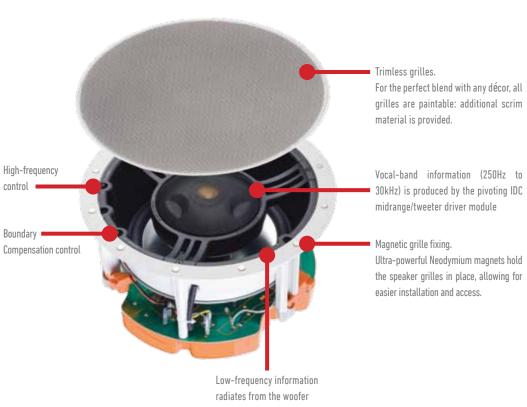


TECHNOLOGY AT A GLANCE	C-CAM Tweeter	MMP II Woofer	C-CAM Woofer	RST Technology
100 Series	•	•		
200 Series	•		•	
300 Series	•		•	•

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INVERTED DUAL CONCENTRIC DRIVER MODULE

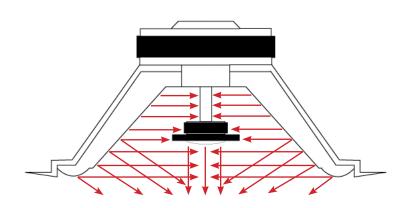
For the in-ceiling and in-wall IDC models



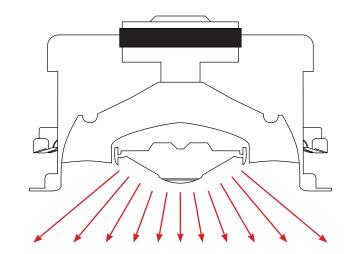
The in-ceiling and in-wall IDC models feature a unique Monitor Audio's innovative IDC driver module is proprietary. Its

Inverted Dual Concentric (IDC) pivoting midrange tweeter inverted 4" midrange driver provides superior dispersion, while module with up to 18 degrees of adjustment in all directions. enabling the midrange cone and tweeter dome to be set as far Speakers can be discreetly positioned, and the sound forward as possible. This configuration allows for the clear directed toward the desired listening area by pivoting the acoustic 'sighting' of the desired listening area and reduces IDC driver module for maximum performance. These models undesirable diffraction effects. It's impossible to avoid the are true 3-way designs offering superior performance and diffraction of critical vocal band frequencies in two-way designs, flexibility over typical 2-way or fixed angle speaker designs. where the bass driver is set 3" to 6" back from the speaker grille.

TYPICAL 2-WAY SPEAKERS

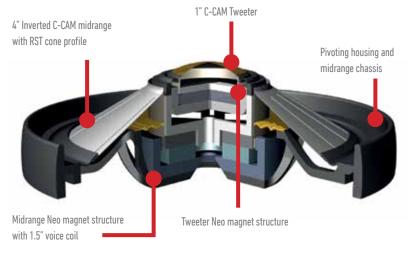


MONITOR AUDIO IDC SPEAKER



INVERTED DUAL CONCENTRIC DRIVER MODULE

Our 'IDC' models are the best choice as front speakers in theatre and music applications. Two of the most important qualities for the reproduction of movies and music from front speakers are vocal band intelligibility and front sound localisation.



Vocal Band Intelligibility

The ability to hear every sound clearly and without strain is The IDC driver module houses a 4" C-CAM midrange and 1" C-CAM difficult when dialogue is competing with the film score and loud dome tweeter, covering the response from 250Hz to 30kHz. sound effects such as explosions and collisions. When you can't We selected a 4" midrange driver so that a wider range of hear the dialogue clearly, it's difficult to understand the movie directional frequencies - which are critical to vocal band plot or in the case of music, to appreciate what the vocalist intelligibility and accurate sound localisation - can radiate is singing.

Front Sound Localisation

The ability to match the sound of on-screen action with the image The 4" midrange driver utilises an over-sized 1.5" edgeplaces all instruments properly in space, will add realism to your acoustic alignment. listening experience.

Superior Clarity and Imaging

without diffraction from the IDC driver module.

High Power Handling and Output

is critical to the success of any film performance. For example, wound voice coil. Separate tweeter and midrange Neodymium if a car travels from left to right on the screen, the scene only magnet systems provide high overall power handling and becomes believable if the sound pans with the action. Likewise efficiency. The IDC driver module operates within its own with music: an accurate "stereo image" of the band, which sealed chamber to provide accurate damping and perfect







All-round performance in a square

Designed to suit contemporary interior styling, our updated square trimless grilles are now available for the Ci series Sold separately, contact your nearest Monitor Audio dealer for more information (www. monitoraudio.co.uk/dealers).

	8" Full Range Speakers				8" Special Application Speakers		
	Good	Better	Best	Flagship	T2 Stereo	FX Surrounds	
	CT180	CT280	CT280-IDC	CT380-IDC	CT180-T2	CT380-FX	
8" IN-CEILING SPEAKERS							
Frequency Response	50Hz - 25kHz	50Hz - 30kHz	50Hz - 30kHz	45Hz - 30kHz	50Hz - 25kHz	45Hz - 30kHz	
Impedance	6Ω	6Ω	6Ω	6Ω	6Ω	6Ω	
Sensitivity (1W@1m)	90dB	90dB	90dB	90dB	90dB	90dB	
Maximum SPL	111.6dBA	111.6dBA	111.6dBA	112dBA	111.6dBA	111.6dBA	
Power Handling (RMS)	120W	120W	120W	150W	120W	120W	
Recommended Amp Requirements	30 - 120W	30 - 120W	30 - 120W	40 - 150W	30 - 120W	30 - 120W	
Drive Unit Complement	2- Way	2-Way	3-Way	3-Way	2-Way	2-Way	
	8" MMP®II cone bass driver 1" C-CAM® pivoting gold dome tweeter	8" C-CAM cone bass driver 1" C-CAM pivoting gold dome tweeter	8" C-CAM cone bass driver, pivoting IDC module housing: 4" C-CAM RST® inverted mid range driver 1" C-CAM gold dome tweeter	8" C-CAM cone bass driver featuring RST pivoting IDC module housing: 4" C-CAM RST inverted mid range driver 1" C-CAM gold dome tweeter	8" MMP II cone bass driver 2 x 1" C-CAM pivoting gold dome tweeters	8" C-CAM cone bass driver featuring RST 2 x 1" C-CAM fixed angle gold dome tweeters	
Adjustment Controls	HF Level Switch (+3dB/ OdB/ -3dB)		HF Level Switch (+3dB/ 0dB/ -3dB) Boundary Compensation Switch		HF Level Switch (+3dB/ OdB/ -3dB)	HF Level Switch (+3dB/ OdB/ -3dB) Bi pole/ Di pole Switch with Additional 12v Trigger Switching	
Overall Diameter (Including grille)	11 ¹¹⁴ " (285mm)						
Overall Depth (Including grille)	415/16" (4 ^{15/16"} (125mm) 6 ^{5/16"} (160mm)			4 ^{15/16} " (125mm)	6 ^{5/16} " (160mm)	
Cut Out Diameter	9 ^{31,4} " (247mm)						
Mounting Depth	4 ^{314"} (121mm) 6 ^{1/8"} (156mm) 4 ^{314"} (121mm) 6 ^{1/8"} (156mm)					6 ^{1/8} " (156mm)	
Fixing Type	3 Position Tri-Grip® Dog Leg Fixings						
Construction Material	Mineral Filled ABS Plastic (RoHS2 Compliant)						
Pre-Construction Bracket	CB8 (Green)						
Weight	6lb (2.72kg)	6lb 2oz (2.8kg)	7lb 8oz (3.42kg)	8lb (3.64kg)	6lb 10oz (3kg)	7lb (3.2kg)	



		6.5" Full Range Speakers			6.5" Special Application Speakers			
	Good	Better	Best	T2 Stereo	FX Surrounds			
	CT165	CT265	CT265-IDC	CT165-T2	CT265-FX			
6.5" IN-CEILING SPEAKERS								
Frequency Response	60Hz - 25kHz	60Hz - 30kHz	60Hz - 30kHz	60Hz - 25kHz	60Hz - 30kHz			
Impedance	6Ω	6Ω	6Ω	6+6Ω	6Ω			
Sensitivity (1W@1m)	88.5dB	88.5dB	88.5dB	88.5dB	88.5dB			
Maximum SPL	107.4dBA	108dBA	108dBA	107.9dBA	108dBA			
Power Handling (RMS)	65W	75W	85W	65W	85W			
Recommended Amp Requirements	20 - 65W	20 - 75W	20 - 85W	20 - 65 W	20 - 85W			
Drive Unit Complement	2-Way	2-Way	3-Way	2-Way	2-Way			
	6.5" MMPII cone bass driver 1" C-CAM pivoting, gold dome tweeter	6.5" C-CAM cone bass driver 1" C-CAM pivoting, gold dome tweeter	6.5" C-CAM cone bass driver, pivoting IDC module housing: 4" C-CAM RST inverted mid range driver 1" C-CAM gold dome tweeter	6.5" MMP II cone bass driver 2 x 1" C-CAM pivoting gold dome tweeters	6.5" C-CAM cone bass driver 2 x 1" C-CAM fixed angle gold dome tweeters			
Adjustment Controls	HF Level Switch (+3dB/ OdB/ -3dB)		(+3dB/ 0dB/ -3dB) pensation Switch	-	HF Level Switch (+3dB/ OdB/ -3dB) Bi pole/ Di pole Switch			
Overall Diameter (Including grille)		9 ^{13/16} " (250mm)						
Overall Depth (Including grille)	45/8"	(118mm)	6" (153mm) 4 ^{5/8} " (118mm)		6" (153mm)			
Cut Out Diameter		8 ¹¹⁴ " (211mm)						
Mounting Depth	41/2"	(114mm)	5 ^{7/8} " (149mm)	4 ^{1/2} " (114mm)	5 ^{7/8} " (149mm)			
Fixing Type		3 Position Tri-Grip Dog Leg Fixings						
Construction Material		Mineral Filled ABS Plastic (RoHS2 Compliant)						
Pre-Construction Bracket		CB6 (Purple)						
Weight	4lb 4oz (1.92kg)	4lb 8oz (2.04kg)	6lb 10oz (2.54kg)	4lb 10oz (2.08kg)	4lb 10oz (2.08kg)			



	8" Full Range Speakers				6.5" Full Range Speakers		
	Good	Better	Best	Flagship	Good	Better	
	WT180	WT280	WT280-IDC	WT380-IDC	WT165	WT265	
8" AND 6.5" IN-WALL SPEAKERS							
Frequency Response	50Hz - 25kHz	45Hz - 30kHz	45Hz - 30kHz	45Hz - 30kHz	60Hz - 25kHz	55Hz -30kHz	
Impedance	6Ω	6Ω	6Ω	6Ω	6Ω	6Ω	
Sensitivity (1W@1m)	90dB	90dB	90dB	90dB	88.5dB	88.5dB	
Maximum SPL	111.6dBA	111.6dBA	111.6dBA	112dBA	107.4dBA	107.4dBA	
Power Handling (RMS)	120W	120W	150W	120W	65W	65W	
Recommended Amp Requirements	30 - 120W	30 - 120W	40 - 150W	30 - 120W	20 - 65W	20 - 65W	
Drive Unit Complement	2-Way	2-Way	3-Way	3-Way	2-Way	2-Way	
	8" MMP II cone bass driver 1" C-CAM pivoting gold dome tweeter	8" C-CAM cone bass driver 1" C-CAM pivoting gold dome tweeter	8" C-CAM cone bass driver, pivoting IDC module housing: 4" C-CAM RST inverted mid range driver 1" C-CAM gold dome tweeter	8" C-CAM cone bass driver featuring RST pivoting IDC module housing: 4" C-CAM RST inverted mid range driver 1" C-CAM gold dome tweeter	6.5" MMP II cone bass driver 1" C-CAM pivoting gold dome tweeter	6.5" C-CAM cone bass driver 1" C-CAM pivoting gold dome tweeter	
Adjustment Controls	HF Level Switch (+3dB/ OdB/ -3dB)		tch (+3dB/ 0dB/ -3dB) ompensation Switch	HF Level Switch (+3dB/ 0dB/ -3dB) MF Level Switch (+3dB/ 0dB/ -3dB) Boundary Compensation Switch	HF Level Switch (+3dB/ OdB/ -3dB)	HF Level Switch (+3dB/ OdB/ -3dB) Boundary Compensation Switch	
Overall Dimensions (Including Grille)	17 ³¹⁸ x 11 ^{5/16} " (441 x 288mm)				14 ^{9/16} x 9 ^{13/16} " (370 x 250mm)		
Overall Depth (Including grille)	3 ^{13/16"} (97.5mm) 4" (101.5mm)			31/2" (89.5mm)			
Cut Out Dimensions	15 ^{1/4} x 9 ^{3/16} " 13 ^{1/16} x 9 ^{3/8} " (387 x 234mm) (332 x 213mm)						
Mounting Depth	3 ^{11/16**} (93mm) 3 ^{13/16**} (97.5mm)			3 ^{13/16} " (97.5mm)	3 ^{3/8"} (85.5mm)		
Fixing Type	6 Position Tri-Grip Dog Leg Fixings						
Construction Material	Mineral Filled ABS Plastic (RoHS Compliant)						
Pre-Construction Bracket	WB8 (Green)			WB6 (Purple)			
Weight	6lb 12oz (3.08kg)	6lb 14oz (3.1kg)	7lb 14oz (3.6kg)	9lb (4.1kg)	4lb 14oz (2.21kg)	5lb (2.26kg)	





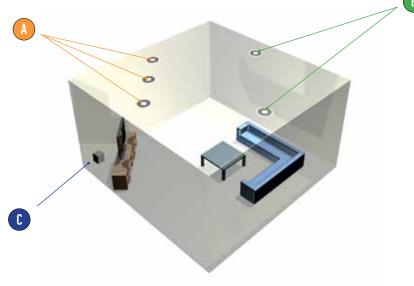
IN-WALL SPEAKERS



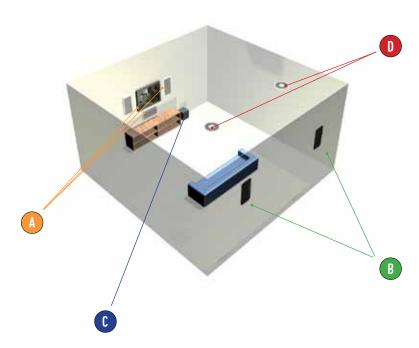
Some features are exclusive to certain models, please refer to the specifications table of this brochure.

THEATRE SYSTEMS

IN-CEILING 5.1 THEATRE



IN-WALL 5.1 THEATRE



A	Front	Left-Centre-Right	main	loudspeaker
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B Rear Left-Right surround loudspeakers

Add your choice of Monitor Audio subwoofer to complete the theatre

1 You can use in-wall front IDC loudspeakers with in-ceiling left-right surrounds if desired

THEATRE AT A GLANCE	FRONT Left – Center – Right Speakers	REAR Surround Speakers				
8" In-Ceiling Loudspeakers	CT180, CT280, CT280-IDC, CT380-IDC	CT380-FX, or use same as front speaker choice				
6.5" In-Ceiling Loudspeakers	CT165, CT265, CT265-IDC	CT265-FX, or use same as front speaker choice				
8" In-Wall Loudspeakers	WT180, WT280, WT280-IDC, WT380-IDC	CT380-FX, or use same as front speaker choice				
6.5" In-Wall Loudspeakers	WT165, WT265	CT265–FX, or use same as front speaker choice				
Best choice speakers are indicated by bold, coloured type						

6.1 and 7.1 Theatres:

Use three surround loudspeakers for 6.1 theatres and use four surround loudspeakers for 7.1 theatres

CREATE YOUR THEATRE



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