

Wharfedale

DIAMOND ACTIVE

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# A thrilling listening experience with zero hassle

Wharfedale Diamond Active Series couple innovative, convenient wireless technology with an award-winning loudspeaker formula for tremendous bass delivery and scintillating high frequencies.

There is no need for bulky amplifiers and trailing wires anymore.

Two packages are available - The Diamond A1 (2 x bookshelf speakers) and the Diamond A2 (2 x floorstanding speakers). Each system is linked together wirelessly, via the included Diamond H1 Hub, which acts as the central console for all your music sources, including analogue, digital and Bluetooth aptX connections - Everything the modern music lover needs.

The speakers are Individually powered by the latest in digital amplification - a room-filling 100W per system. Combined with Wharfedale's proprietary Woven-Kevlar bass driver and textile soft-dome tweeter as seen in the multi-award winning Diamond 200 series the result is a jaw-dropping sound, usually associated with more complicated audio setups.





No amplifier or AV receiver needed

Ultra-quick setup time



Ideal for TVs, smart phones and computers



# Access all your audio sources effortlessly, with Wharfedale's innovative, true wireless system

Unlike other wireless and active speakers where controls and inputs are often placed awkwardly on the back panel, Wharfedale engineers have developed a unique hub, which works as the central console for your music.

The Diamond H1 Hub features Optical, Coaxial and RCA inputs on the rear panel with an additional Bluetooth aptX connection for wireless integration of laptops, smart phones and tablet devices. It's controlled gracefully via the touch sensitive display, or for even more convenience you can use the included remote.

Once connected to your source, the Diamond H1 Hub works independently from the speakers using the 5.8GHz wireless frequency band. Place it on your TV stand, desktop, or wherever you want, without the worry of speaker placement and trailing wires in-between the units - that's why we call it 'True Wireless'.

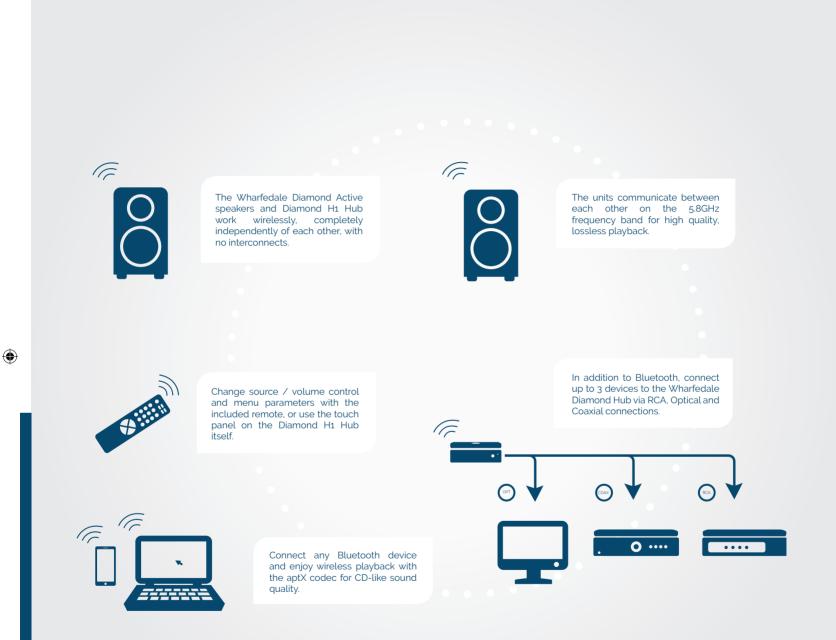
To ensure the same high standard of sound as conventional wired audio systems, Wharfedale engineers have utilised an advanced wireless module, operating on the 5.8gHz frequency band. While avoiding the often crowded 2.4gHz band, the Diamond Active system is able to switch intelligently between frequencies, guaranteeing minimal interference, wherever your speakers may be placed.

Additionally, the DAC is built around a high performance 24bit chipset delivering a CD-like quality from all devices.

Both the Diamond A1 and Diamond A2 speaker packages include the Wharfedale Diamond H1 Hub.

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# Individually amplified speakers, for a truly powerful system

Although convenience was a key goal of Wharfedale engineers, by no means has any technology been watered-down as a result. Within each loudspeaker is a high powered 50W class D amplifier. The ability to drive each speaker individually guarantees the highest power possible, with astounding detail and accuracy. it's performance will blow you away.

Inferior active systems often contain the inputs, controls and amplification housed within one speaker, leaving a trailing wire connecting to another passive speaker. Not only does this create unwanted cabling, this also results in compromised power, with inconsistencies in-between left and right channels.

The amplifier units within each Diamond Active speaker are combined with an intelligent DSP unit and crossover system ensuring the amplifier and drivers are working in perfect harmony. Optimised frequencies are distributed in-between the tweeter and woofer, while the DSP adds speaker protection and a fine-tuned EQ subject to CAD analysis and hours of listening tests by experienced Wharfedale engineers.

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#### **Diamond Active Series**



Active speaker with 50W class D amplification and DSP.

Active speaker with amplifier

built in to power the whole system. Inputs / controls on

rear speaker panel. Bluetooth / wireless technology within

this speaker only.

Diamond H1 Hub

Active speaker with 50W class D amplification and DSP.

# Typical, inferior active / Bluetooth speaker systems



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Passive speaker, powered by amplifier housed within other speaker.

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# Pitch perfect sound, wherever you place your speakers

While the Diamond H1 Hub makes day-to-day use of the system a breeze, additional room settings are available on the rear panel of the speaker. A +/-6dB bass control works to adjust the system for personal preference and for optimum room placement, for instance placing the speakers near a wall. Engineers have also added a mono mode, which is ideal for when unconventional speaker placements are used – you can place the speakers anywhere in your living area and still enjoy a thrilling sound.





Bass / Stereo Room Adjustment Control



Proprietary Woven Kevlar Driver Technology



# A real diamond, inside and out

The speakers use the same drivers as seen in the award-winning Diamond 220. Wharfedale's signature woven Kevlar cone incorporates semi-elliptical 'break-up' areas which smooth the response throughout the audible range. The treble unit uses an advanced ferrite magnet system and carefully constructed waveguide around the fabric dome for optimal dispersion.

While this is identical as seen in the Diamond 220, the cabinet has been tailored for the convenience-themed technology within. A reartuned bass port system means engineers were able to reduce the cabinet volume – more akin to those seeking an all-in-one easy to use system, without taking up too much space.

Cabinet edges have been stylishly rounded and wrapped in luxurious black leatherette with a high-gloss front baffle available in black or white finish options for both models.

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Area-/- 64B Base Control Balance Function Mode selector. Left/Mono/Right Digital Amplifer with DSPDigital Input1x Coaxial. 1x Toslink OpticalAnalog InputRCA x 2Bluetooth InputaptX (Priority), SBCInput sensitivity350mVSignal frequencies52/5 SGHz wireless uncompressedSampling rate for digital inputsUp to 2ght / 2gkHzWireless reception distance2omEnclosure typebass reflexTransducer complement2-wayDrivers100WPack SPL9gdBFrequencies5gHz - 20KHzSystem Power Output9gdBFrequency response (4/-gdB)5gHz - 20KHzBass extension (-6dB)5gHzSpeaker FinishBlue Closure twith High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)26LCabinet Volume76LHeight Ion feet)1200mmWirth5s/SgDiele Hight Genes & Weight5s/SgHub Finish86MmHub Dimensions & Weight5s/SgHub Dimensions & Weight5s/SgHub Dimensions & Weight180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght180mmBeght <t< th=""><th>Model</th><th>Diamond A1</th></t<>	Model	Diamond A1
Analog inputRCA x 2Bluetooth inputaptX (Priority), SBCinput sensitivity350mVSignal frequencies5.2/5.8CHz wireless uncompressedSampling rate for digital inputsUp to zabit / 96kHzWireless reception distance20mEnclosure typebass reflexTansducer complement2-wayDrivers130mm Woven Kevlar Woofer / 25mm Soft Dome TweeterSystem Power Output100WPeak SPL95dBFrequency response (-/-3dB)56Hz - 20KHzBass extension (-8dB)50HzSpeaker FinishHelgh Gloss Black with Fouch Sensitive DisplaySpeaker FinishHelgh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)136mmCabinet Volume76LHeight In feet140mmWirdth186mmDepth220×10/mmWirdth288mnWirdth150mm	Design philosophy and core technology	+/- 6dB Bass Control Balance Function Mode selector: Left/Mono/Right
butcoti hput     aptX (Priority), SBC       liput sensitivity     350mV       Signal frequencies     52/5 8CHz wireless uncompressed       Sampling rate for digital inputs     Up to 24bit / 96kHz       Wireless reception distance     20m       Enclosure type     bass reflex       Transducer complement     2-way       Drivers     130mm Woven Kevtar Woofer / 25mm Soft Dome Tweeter       System Power Output     95dB       Prequency response (-/-3dB)     65Hz - 20KHz       Bass extension (-6dB)     50Hz       Crossover frequency     23kHz       Speaker Finish     High Gloss White / Black Front Baffle       Hub Finish     High Gloss Black with Touch Sensitive Display       Speaker Dimensions & Weight (each)     (315-6mm       Cabiert Volume     76L       Width     186mm       Depth     626-9       Hub Dimensions & Weight     55kg       Hub Dimensions & Weight     26-9       Hub Dimensions & Weight     26-9       Speaker Dimensions & Weight     26-9       Height     28-9       Height     28-0	Digital Input	1 x Coaxial, 1 x Toslink Optical
Input sensitivity350mVSignal frequencies52/5/8GHz wireless uncompressedSampling rate for digital inputsUp to zdbit / 96kHzWireless reception distance20mEnclosure typebass reflexTransducer complement2-wayDrivers130mm Woven Kevlar Woofer / 25mm Soft Dome TweeterSystem Power Output96dBPeak SPL96dBFrequency response (+/-3dB)56Hz - 20KHzBass extension (-6dB)50HzCrossover frequency23kHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight Con feet)(220-10mmWirdth186mmDepth288mmWidth150mmDepth156mm	Analog Input	RCA x 2
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Sampling rate for digital inputsUp to 24bit / 96kHzWireless reception distance2omEnclosure typebass reflexTransducer complement2-wayDrivers130mm Woven Kevlar Woofer / 25mm Soft Dome TweeterSystem Power Output100WPeak SPL95dBFrequency response (r/-3dB)55Hz - 20KHzBass extension (-6dB)50HzCrossover frequency23kHzSpaeker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight (on feet)(315-6mmWidth186mmDepth(220-10)mmNet Weight5.5kgHub Dimensions & Weight5.5kg <tr< td=""><td>Input sensitivity</td><td>350mV</td></tr<>	Input sensitivity	350mV
Wireless reception distance20mEnclosure typebass reflexTransducer complement2-wayDrivers130mm Woven Kevlar Woofer / 25mm Soft Dome TweeterSystem Power Output100WPeak SPL95dBFrequency response (+/-3dB)55Hz - 20KHzBass extension (-6dB)50HzCrossover frequency23KHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight (on feet)(315+6)mmWidth186mmDepth55kgHub Dimensions & Weight55kgHub Dimensions & Weight28.8mmWidth186mmDepth28.8mmWidth160mmDepth26.8mmWidth150mmDepth26.8mmWidth150mmDepth26.8mmWidth150mmDepth150mmWidth150mmDepth150mmWidth150mmDepth150mmWidth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mmDepth150mm<	Signal frequencies	5.2/5.8GHz wireless uncompressed
Enclosure type     bass reflex       Transducer complement     2-way       Drivers     130mm Woven Kevlar Woofer / 25mm Soft Dome Tweeter       System Power Output     100W       Peak SPL     95dB       Frequency response (+/-3dB)     50Hz       Bass extension (-6dB)     50Hz       Crossover frequency     2,3KHz       Speaker Finish     Black Leatherette with High Gloss White / Black Front Baffle       Hub Finish     High Gloss Black with Touch Sensitive Display       Speaker Dimensions & Weight (each)     215+60mm       Width     186mm       Depth     5,5kg       Hub Dimensions & Weight     5,5kg       Hub Dimensions & Weight     5,5kg       Depth     28.8mm       Publich     150mm	Sampling rate for digital inputs	Up to 24bit / 96kHz
Transducer complement     2-way       Drivers     130mm Woven Kevlar Woofer / 25mm Soft Dome Tweeter       System Power Output     00W       Peak SPL     95dB       Frequency response (+/-3dB)     56Hz - 20KHz       Bass extension (-6dB)     50Hz       Crossover frequency     2,3kHz       Speaker Finish     Black Leatherette with High Gloss White / Black Front Baffle       Hub Finish     High Gloss Black with Touch Sensitive Display       Speaker Dimensions & Weight (each)     76L       Cabinet Volume     76L       Width     186mm       Depth     5,5kg       Hub Dimensions & Weight     5,5kg       Hub Dimensions & Weight     5,5kg       Hub Dimensions & Weight     5,5kg       Peaker     5,5kg       Hub Dimensions & Weight     28,8mm       Width     150mm	Wireless reception distance	20m
Drivers130mm Woven Kevlar Woofer / 25mm Soft Dome TweeterSystem Power Output100WPeak SPL95dBFrequency response (+/-3dB)55Hz - 20KHzBass extension (-6dB)60HzCrossover frequency2.3kHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight (on feet)(315+60mmWidth186mmDepth(220+100mmNet Weight55kgHub Dimensions & Weight28.8mmWidth150mm	Enclosure type	bass reflex
System Power Output100WPeak SPL96dBFrequency response (+/-3dB)55Hz - 20KHzBass extension (-6dB)50HzCrossover frequency23kHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight (on feet)(315-6)mmWidth186mmDepth(220-10)mmNet Weight55kgHub Dimensions & Weight28.8mmWidth150mmWidth150mm	Transducer complement	2-way
Peak SPL96dBPeak SPL95Hz - 20KHzBase extension (-6dB)50HzCrossover frequency23kHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LWidth186mmDepth(220-10)mmNet Weight55kgHub Dimensions & Weight55kgHub Dimensions & Weight150mmHeight Con feet)150mm	Drivers	130mm Woven Kevlar Woofer / 25mm Soft Dome Tweeter
Frequency response (+/-3dB)   55Hz - 20KHz     Bass extension (-6dB)   50Hz     Crossover frequency   2,3kHz     Speaker Finish   Black Leatherette with High Gloss White / Black Front Baffle     Hub Finish   High Gloss Black with Touch Sensitive Display     Speaker Dimensions & Weight (each)   76L     Cabinet Volume   76L     Height (on feet)   (315+6)mm     Width   186mm     Depth   (220+10)mm     Net Weight   55kg     Hub Dimensions & Weight   288mm     Hub Dimensions & Weight   150mm	System Power Output	100W
Base setension (-6dB)50HzCrossover frequency23kHzSpeaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)7.6LCabinet Volume7.6LHeight (on feet)(315+6)mmWidth186mmDepth5.5kgHub Dimensions & Weight5.5kgHeight Quitter Sensitive DisplayWidth150mmHeight150mm	Peak SPL	95dB
Crossover frequency   2,3kHz     Speaker Finish   Black Leatherette with High Gloss White / Black Front Baffle     Hub Finish   High Gloss Black with Touch Sensitive Display     Speaker Dimensions & Weight (each)   7.6L     Cabinet Volume   7.6L     Height (on feet)   (315+6)mm     Width   186mm     Depth   (220+10)mm     Net Weight   5.5kg     Hub Dimensions & Weight   28.8mm     Width   150mm	Frequency response (+/-3dB)	55Hz - 20KHz
Speaker FinishBlack Leatherette with High Gloss White / Black Front BaffleHub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)76LCabinet Volume76LHeight (on feet)(315+6)mmWidth186mmDepth(220+10)mmNet Weight55kgHub Dimensions & Weight288mmWidth150mm	Bass extension (-6dB)	50Hz
Hub FinishHigh Gloss Black with Touch Sensitive DisplaySpeaker Dimensions & Weight (each)7.6LCabinet Volume7.6LHeight (on feet)(315+6)mmWidth186mmDepth(220+10)mmNet Weight5.5kgHub Dimensions & Weight28.8mmWidth150mmDepth150mm	Crossover frequency	2.3kHz
Speaker Dimensions & Weight (each)     Cabinet Volume   7.6L     Height (on feet)   (315+6)mm     Width   186mm     Depth   (220+10)mm     Net Weight   5.5kg     Hub Dimensions & Weight   28.8mm     Width   150mm     Depth   150mm	Speaker Finish	Black Leatherette with High Gloss White / Black Front Baffle
Cabinet Volume7.6LHeight (on feet)(315+6)mmWidth186mmDepth(220+10)mmNet Weight5.5kgHub Dimensions & Weight28.8mmWidth150mmDepth150mm	Hub Finish	High Gloss Black with Touch Sensitive Display
Height (on feet)(315+6)mmWidth186mmDepth(220+10)mmNet Weight5.5kgHub Dimensions & Weight28.8mmWidth150mmDepth150mm	Speaker Dimensions & Weight (each)	
Width186mmDepth(220+10)mmNet Weight5.5kgHub Dimensions & Weight28.8mmWidth150mmDepth156mm	Cabinet Volume	7.6L
Depth(220+10)mmNet Weight5.5kgHub Dimensions & Weight28.8mmHeight150mmDepth156mm	Height (on feet)	(315+6)mm
Net Weight 5.5kg   Hub Dimensions & Weight 28.8mm   Width 150mm   Depth 156mm	Width	186mm
Hub Dimensions & Weight   Height 28.8mm   Width 150mm   Depth 156mm	Depth	(220+10)mm
Height 28.8mm   Width 150mm   Depth 156mm	Net Weight	5.5kg
Width 150mm   Depth 156mm	Hub Dimensions & Weight	
Depth 156mm	Height	28.8mm
	Width	150mm
Net weight 0.46kg	Depth	156mm
	Net weight	0.46kg

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Model	Diamond A2
esign philosophy and core technology	5.8GHz True Wireless technology +/- 6dB Bass Control Balance Function Mode selector: Left/Mono/Right Digital Amplifier with DSP
igital Input	1 x Coaxial, 1 x Toslink Optical
nalog Input	RCA x 2
luetooth Input	aptX (Priority), SBC
nput sensitivity	350mV
ignal frequencies	5.2/5.8GHz wireless uncompressed
ampling rate for digital inputs	Up to 24bit / 96kHz
/ireless reception distance	20m
nclosure type	bass reflex
ransducer complement	2.5-way
rivers	165mm Woven Kevlar Woofer x 2 / 25mm Soft Dome Tweeter
ystem power output	100W
eak SPL	96dB
requency response (+/-3dB)	40Hz – 20KHz
ass extension (-6dB)	35Hz
rossover frequency	2.8kHz
peaker Finish	Black Leatherette with High Gloss White / Black Front Baffle
ub Finish	High Gloss Black with Touch Sensitive Display
peaker Dimensions & Weight (each)	
abinet Volume	38L
eight (on feet)	(912+25)mm
/idth	210mm
epth	(300+10)mm
let Weight	18.8 Kg
ub Dimensions & Weight	
eight	28.8mm
/idth	150mm
epth	156mm
let weight	0.46kg

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Bass / Stereo Room Adjustment Control



Proprietary Woven Kevlar Driver Technology



5.8GHz uncompressed True Wireless operation



20m Wireless Range



Intelligent Wireless Auto Frequency Switching





Wharfedale

DIAMOND ACTIVE

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