

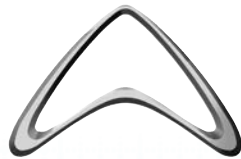
DIAMOND PRO MONITORS

8.1

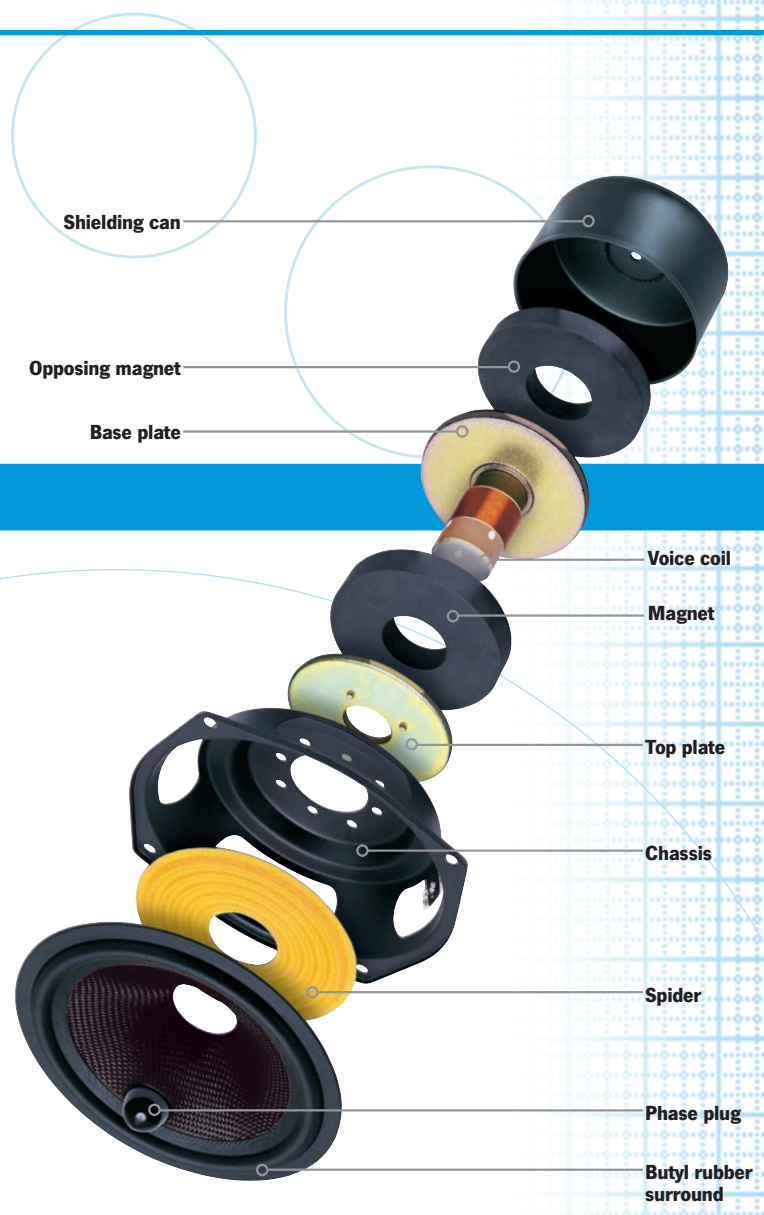
8.1 Active

8.2

8.2 Active



Wharfedale  
*Pro*



## Passive reference monitors.

The Diamond 8 series is the result of over three years intensive research and development into virtually every aspect of acoustic design.

Firstly, the tweeter in all models is a 25mm textile dome, ferrofluid cooled unit powered with an ultra-strong neodymium magnet for the fastest, most accurate response we have ever achieved.

Next, the woofer cone is made from a bi-directional KEVLAR weave – self-damping in nature, reducing resonant frequencies to virtually negligible levels. The impetus for rapid movement here, is a dual layer, vented voice coil which transmits the signal information with the highest levels of accuracy. The cone is mounted on a nitrile rubber 'Flexaural surround rim'. A profiled phase plug improves the off-axis performance to project an excellent stereo image across a wide listening area.

The Diamond 8 family has a heritage extending over twenty years and throughout has been Britain's best-selling loudspeaker. This pattern has been repeated around the world with 5 star reviews and accolades in every country in which it has been available. As such the Diamond 8 series represents a de facto standard for sound quality and balance in a tremendous number of home stereo and A/V systems. The consistency and quality of these speaker systems across a wide variety of source materials, from Jazz to Rock, Classical, to Movie Sound Track and effects, gives a tried and proven basis for a monitor to give the professional recording and post production industry a superb reference for the creation and mixing of program material for the real world.

**DIAMOND 8.2 PRO-PASSIVE**



**DIAMOND 8.1 PRO-ACTIVE**





## Enter the Diamond 8.1 and 8.2 Pro-Active reference monitors.

Built using the Diamond family transducers in specially designed enclosures, and with a custom designed bi-amplifier package, the Diamond Studio Pro-Active series is a complete and balanced system for two channel and 5.1 reference monitoring. Magnetic Shielding of the driver magnets allows close placement of the monitors to CRT displays used in today's recording process. Whilst being true to their sonic heritage, the Studio Pro-Active reference monitors are refined and enhanced for the demands and duties of the recording business. Tighter enclosure damping, and a larger cubic volume give better control under high levels found in monitoring.

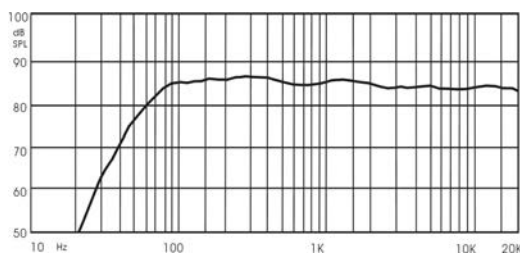
Such is the quality of the Diamond transducers that no special equalization or adjustment of the components is necessary in the bi-amp section. Simple, great sounding, low Q crossover slopes compliment the drivers in their operating ranges.

The careful balancing of the power amplifier specifically for each driver's range, gives considerable extension to the output level of the system. Graceful overload characteristics produce subjective power levels equal to over double the specified and rated power.

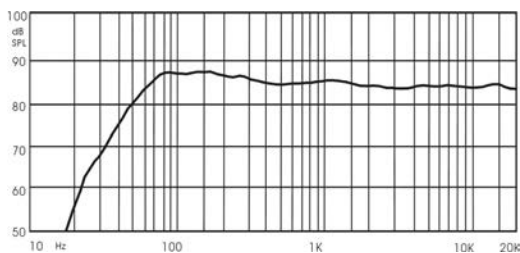
The 8.1 is known for its excellent overall balance, transparency and accuracy. The 8.2 offers the same quality with greater output level capability. For recording, and for mixing down both offer excellent Near Field Monitoring performance and value.



DIAMOND 8.2 PRO-ACTIVE REAR PANEL



FREQUENCY RESPONSE  
DIAMOND 8.1 PRO



FREQUENCY RESPONSE  
DIAMOND 8.2 PRO

The Diamond Pro Active Studio monitor contains a bi-amplified amplifier unit designed and manufactured by Wharfedale Professional. This amplifier features an active electronic crossover – a valuable tool allowing the input signal to be divided between the drive units thereby optimising the overall response of the system. The amplifier unit has built in overload protection circuitry to monitor output levels and protect the drivers. As well as the ON/OFF Led, the Diamond Pro Active has a second LED on the front panel that will illuminate when the unit is being driven excessively (as would a CLIP Led on an amplifier).



**Loudspeakers  
Best Buy**

## SPECIFICATIONS

Models	8.1 Pro	8.2 Pro
Type	2 WAY PASSIVE	2 WAY PASSIVE
Usable frequency response	50Hz-24kHz	45Hz-24kHz
Peak SPL @ 1m, short term IEC noise source	106dB	108dB
Sensitivity	86dB	86dB
Power Handling (Watts)	100 W	100 W
Recommended amp power	30-150W	30-200W
Impedance nominal	4Ω	4Ω
Drive Units	5" LF, 1" HF	6.5" LF, 1" HF
System Magnetic Shielding	Yes	Yes
Crossover frequency	2.2K	2.2K
Input connectors	1 x phono speakon type /jack combo	
Finish	IRIDIUM color laminate	IRIDIUM color laminate
Dimensions H x W x D (mm)	295 x 198 x 252	364 x 212 x 257
Weight (each kg)	5.2kg	6.2kg

**ACTIVE UNITS ONLY:**

Type	BI-AMP 2 WAY	BI-AMP 2 WAY
Usable frequency range	50Hz-24kHz	45Hz-24kHz
Drive units	5" LF, 1" HF	6.5" LF, 1" HF
Crossover frequency	2.0K	1.9K
Output SPL (from peak power) IEC weighted noise @ 1m	106dB	108dB
Bi-amplifier power (LF/HF)	60W LF + 40W HF	60W LF + 40W HF
Input sensitivity	0.775V RMS (0 dBu)	0.775V RMS (0 dBu)
Amplifier system distortion at	0.1% @ 50W	0.1% @ 50W
System Magnetic Shielding	Yes	Yes
Input connectors (active)	1 x phono (unbalanced)	1 x XLR-1/4jack combo balanced
Active ie slew rate, distortion	10v/micro s	10v/ micro s
Signal to noise ratio	100dB	100dB
Dimensions of Active H x W x D (mm)	295 x 198 x 280	364 x 212 x 322
Weight of active unit (each kg)	7.5kg	8.0kg

**Mains voltage:**

Voltage operating range at:

230V setting	205-250V	205-250V
115V setting	100-130V	100-130V

**Power consumption:**

Idle	22W	22W
Full output	130W	130W

**Wharfedale Professional**

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[www.wharfedalepro.com](http://www.wharfedalepro.com)


Wharfedale  
*Pro*

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INTERNATIONAL AUDIO GROUP