

TANNOY®



PRECISION
6D & 8D ACTIVE STUDIO MONITORS

OWNERS MANUAL

1.0: IMPORTANT SAFETY INSTRUCTIONS	1.1	Introduction
2.0: THE BASICS	2.1	Unpacking and visual checks
	2.2	Preliminary recommendation
3.0: PRECISION D SERIES FEATURES	3.1	Analog Input
	3.2	Digital SPDIF Input
	3.3	Connecting your speakers
	3.4	User Controls
4.0: EQUALISATION POSSIBILITIES		
5.0: GUIDE TO SETTING THE EQUALISATION		
6.0: PLACEMENT OF THE SPEAKERS	6.1	Orientation (R6D & R8D)
	6.2	Positioning (R6D & R8D)
	6.3	Positioning (R66D)
	6.4	Speaker Mounting
	6.5	Bass Ports
7.0: PERFORMANCE DATA		Precision 6
		Precision 8
8.0: TECHNICAL SPECIFICATIONS		
9.0: DIMENSIONS		
10.0: SERVICING	6.1	Cabinet Finish
	6.2	Driver Removal
	6.3	Amplifier Removal
	6.4	Spare parts
11.0: WARRANTY		
12.0: DECLARATION OF CONFORMITY		

1.0: IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat and ensure adequate air circulation around the rear of the product.
9. Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, wall sockets, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. **WARNING:** To reduce the risk of fire or electrical shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
15. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the wall socket.
16. The mains plug on the power supply cord shall remain readily accessible.
17. **SAFETY WARNING:** This product design uses amplifier output stages with substantial standing currents for optimal sound quality. Fit and use the protective heat shield when adjusting the feature controls above the heatsink, to prevent contact with uncomfortably hot surfaces when monitoring at continuously high sound pressure levels. Use the small tool provided to adjust the switches in accordance with the instructions in the user manual.



The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

ELECTRICAL REQUIREMENTS

Check that the voltage rating displayed on the rear panel is correct for your area before connecting. If it is incorrect, please refer to your local dealer or authorised service agent, as no user adjustment is provided.

Warning!

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- Be advised that different operating voltages require the use of different types of line cord and attachment plugs.
- Check the voltage in your area and use the correct type. See table below:

Voltage	Line plug according to standard
110-125V	UL817 and CSA C22.2 no 42.
220-230V	CEE 7 page VII, SR section 107-2-D1/IEC 83 page C4.
240V	BS 1363 of 1984. Specification for 13A fused plugs and switched and un-switched socket outlets.

Service

There are no user-serviceable parts inside. Qualified personnel must perform all service. Servicing is required when: -

- The unit has been damaged in any way, such as when the power-supply cord or plug is damaged.
- The unit has been exposed to rain or moisture, or liquid has been spilled into the unit.
- Objects have fallen into the unit.
- The unit does not work properly.
- The unit has been dropped.

EUROPEAN MODELS

A mains cable is supplied with an IEC moulded socket at one end and a moulded mains plug at the other end. Where the moulded plug is fitted with a mains fuse, always replace with the same 5A rated fuse. If the fitted plug is unsuitable for your type of outlet sockets, it should be cut off and disposed of safely, in case it is inserted into a live socket elsewhere. The wires in the mains cable are coloured in accordance with the following code:

GREEN AND YELLOW EARTH BLUE NEUTRAL BROWN LIVE

AS THE COLOURS OF THE WIRES IN THE MAINS CABLE MAY NOT CORRESPOND WITH THE COLOURED MARKINGS IDENTIFYING THE TERMINALS IN YOUR PLUG, PROCEED AS FOLLOWS:

The wire which is coloured GREEN AND YELLOW must be connected to the terminal in the plug which is marked either by the letter E, the earth safety symbol, or coloured GREEN or GREEN and YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked by the letter N or coloured BLACK

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked by the letter L or coloured RED.

Ensure that the terminals are tightened securely, and no loose strands of wire are present. Ensure cord grip is clamped over outer sheath of cable, rather than over the wires.

FUSE PROTECTION

An additional mains fuse is provided in the IEC power inlet on the back of the loudspeaker, which can only be removed with the power cord unplugged. This must be replaced by a fuse of the same type and ratings (see Specifications or refer to rear panel).

INSTALLATION

Do not install this equipment in an enclosed space. Do not limit free ventilation and movement of air around the back panel. Do not install this equipment in a cupboard with a closed door. Allow for a distance of 150mm (6 inches) of free air space around all sides, top, bottom and the back panel of this product. The user must be able to see the blue coloured front panel of this product when in use.

EMC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Reorient or coil cables.

If necessary, consult the dealer or an experienced radio/television technician for additional suggestions.

Any cables the user adds to the device must be shielded to be in compliance with the FCC standards. Any unauthorised modification to this device could result in the revocation of the end user's authority to operate this device.

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Canada

Industry Canada Class B emission compliance statement. This Class B digital apparatus complies with Canadian ICES-003. Avis de conformité à la réglementation d'Industrie Canada. Cet appareil numérique de classe B est conforme à la norme NMB-003 du Canada.

1.1: INTRODUCTION

Taking full advantage of significant advances in digital speaker measuring techniques such as Klippell™ symmetry and nonlinear distortion analysis, laser scanning interferometry, acoustic CAD simulation and our own cutting edge acoustic technologies, Tannoy engineers have developed two new active monitors. The new Precision D range incorporates the latest Tannoy Dual Concentric™ driver and WideBand™ Technology to deliver near field monitoring speaker designs that set new standards of acoustic performance and accuracy.

Precision D active monitors provide superior bandwidth, significantly low levels of distortion, very smooth response, extremely accurate phase control, high sensitivity levels and input source flexibility. Add in a comprehensive calibrated EQ facility for mid / near / close field working in full / half /quarter and eighth space environments, midband and high frequency trim shelving controls, a choice of power and cabinet sizes, analogue and digital input trim facilities, and user requirements can be satisfied for all listening environments and applications.

Tannoy's core technology, the Dual Concentric™ is unlike ordinary drive units in that it is effectively two drivers, properly merged into one. The high-frequency unit is positioned on the back of the low frequency driver so that they are on the same axis. As a result sound energy is propagated from the same point and delivered through the centre of the low frequency cone providing a true point source. This integrated approach provides a constant time delay over the frequency spectrum offering better transient performance and sound quality with better harmonic alignment than a displaced source monitor design. The crucial benefit at the mix position is the delivery of a more natural and cleaner sound with greatly enhanced intelligibility.

Characteristic of the Dual design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area and extraordinary transient response. This phase accurate Tannoy designed drive unit has, for all these reasons, been the choice of professional studio engineers for decades.

Tannoy has been at the forefront of developing loudspeakers with WideBand™ performance. Extending the high frequency roll-off out to 51kHz corrects the time or phase response at the upper end of audibility, resulting in enhanced accuracy and 'air', improved clarity within the essential mid band area, and even enhancing definition of low frequencies. Tannoy WideBand™ Technology is an essential component of the Precision monitor design delivering increased tonal accuracy of the individual instruments in the recording process - a mix-critical factor allowing the best EQ and placement decisions to be made.

Tannoy engineers have researched ways of dealing effectively with the acoustic effects of mid, near and close field listening distances, in order to compensate for the relative size and distance of the acoustic source and resultant spherical / plane wave dilemmas. Additionally, the effect of boundaries near a monitor speaker, such as walls, support tables and mixing console surfaces can change the air load on the low frequency cone piston and consequently the radiating efficiency in the 100Hz to 800Hz region.

A set of DIP switches on the rear control panel of the new Precision D active monitors allow the selection of an optimum speaker response for real life and often difficult monitoring situations so that the frequency response at the listener's ears is always as linear and flat as possible. Optimisation can be preset for far field (>2m), mid field (1 to 2m), near field (0.5 to 1m) and close field (<0.5m) situations in combination with free space (4 π), half space (2 π), quarter space (π) and extreme eighth space ($\pi/2$) corner situations. Precision D Active monitors can therefore be optimised for varying listening distances in difficult acoustic spaces; varying meter bridge positions, against and adjacent to walls or reflecting surfaces, in corners, in corners on shelves or brackets, table top / space restricted PC/Mac based sound editing environments and stand mounted or soffit mounted configurations. (see graph overleaf).

2.0: THE BASICS

2.1: UNPACKING AND VISUAL CHECKS

The Precision 6 and precision 8 are packed singly. To remove the speaker from the carton without damage open the end flaps fully and bend them right back. Turn the package upside-down on the floor and lift the carton vertically up to leave the speakers resting on their packing tray. Nothing on or in your speakers should rattle about. Inspect each speaker for signs of transit damage. In the unlikely event of this having occurred inform the carrier and the supplier. Keep all the packaging if damage has occurred, as this will show evidence of excessive handling forces. It is also a good idea to keep the packaging if possible for future transportation.

2.2: PRELIMINARY RECOMMENDATION

Initially we would like to give a word of warning on high sound levels, which these speakers are capable of generating over sustained periods of time. Levels over 95 dB for 8 hours per day can eventually cause permanent hearing loss. Because Tannoy monitors have very low levels of time, amplitude and frequency distortion it is not always obvious that the sound level is high while working with them.

For continuous exposure we recommend the occasional use of a sound level meter capable of integrating the sound level over a period of exposure according to noise control standards. This should be used just to check that noise levels are always within safety limits.

3.0: PRECISION D SERIES FEATURES

A set of DIP switches on the rear panel of each speaker can be set to choose the optimum speaker response for real life and often difficult situations, so that the frequency response from the speaker is always substantially flat. We are not equalising the room modes due to standing waves or resonant structures, we are equalising the speaker to take account of the varying air load presented by the room and surrounding large structures such as the mixing desk.

The switches are arranged in groups according to their function and each switch can be set to the 'on' (down) or 'off' (up) position in various combinations to achieve a flatter, more balanced response within a wide variety of acoustic spaces and with far, mid, near and close field monitoring positions.

Figure 1 shows the range of equalisation available in the 50Hz to 800Hz region and also shows the degree of trim available in the bass, upper midrange and high frequency areas,

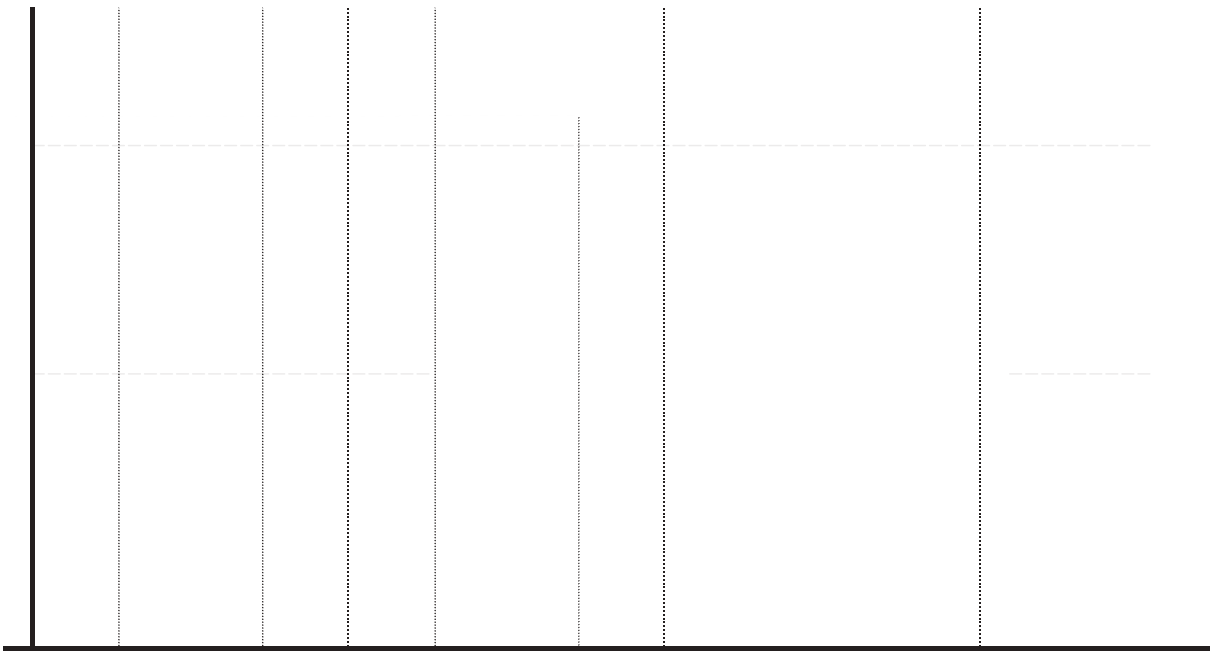
An A/V 80Hz high pass filter switch provides instant conversion to 5.1 and higher order systems where a separate subwoofer below 80Hz is required. Filter characteristics are according to the international standards for this setup. This response is also shown diagrammatically in Figure 1.

Listening to well recorded male or female spoken word or vocals at the normal listening position is a good way to check and optimise the available settings. Difficult environments and variable listening distances produce varying degrees of boost from the flat position in the 50Hz to 800Hz area. Graphical representations of the responses available by setting the switches are shown below. The linear or flat response positions for the DIP switches are always clearly shown in the diagrams below and also on the rear panel of the speaker.

The Tannoy ActivAssist™ software package is available to help with the DIP switch settings. Using a standard laptop with the microphone and cables supplied in the pack, the performance of the speaker in a particular environment can be assessed and a recommended set of switches set up.

■ **Fig. 1.** Full range of equalisation and trim available.

Diagrammatic View of EQ Dip Switches: LF EQ + Av Filter
20 way DIP Switch Bank (4+4+2+4+6)



■ **Fig. 2.** Range of adjustment available and settings for the first 4 DIP switches. All other DIPs set to 'Flat'

...onse or set to shelve at frequencies of 800Hz,
...correct half space ($\pi/2$), quarter space ($\pi/4$)

...2dB, -4dB, -6dB or -8dB in combination with
...g positions compared with free space, far

...and 200Hz and the DIP switch settings. DIPs
...the frequency at which the shelving starts. All

...r to correct for the baffle step effect. the baffle
...pad on the moving diaphragm at a frequency
...the wavelength of the sound being reproduced.
...the audio band in anechoic or 'free field'
...the speaker is placed against a wall, in a
...ries effectively increase the baffle size. This
...effective size and proximity of the boundary
...e.

...dio Engineering Society Vol. 17, No. 1, 1969

...tep Effect'.

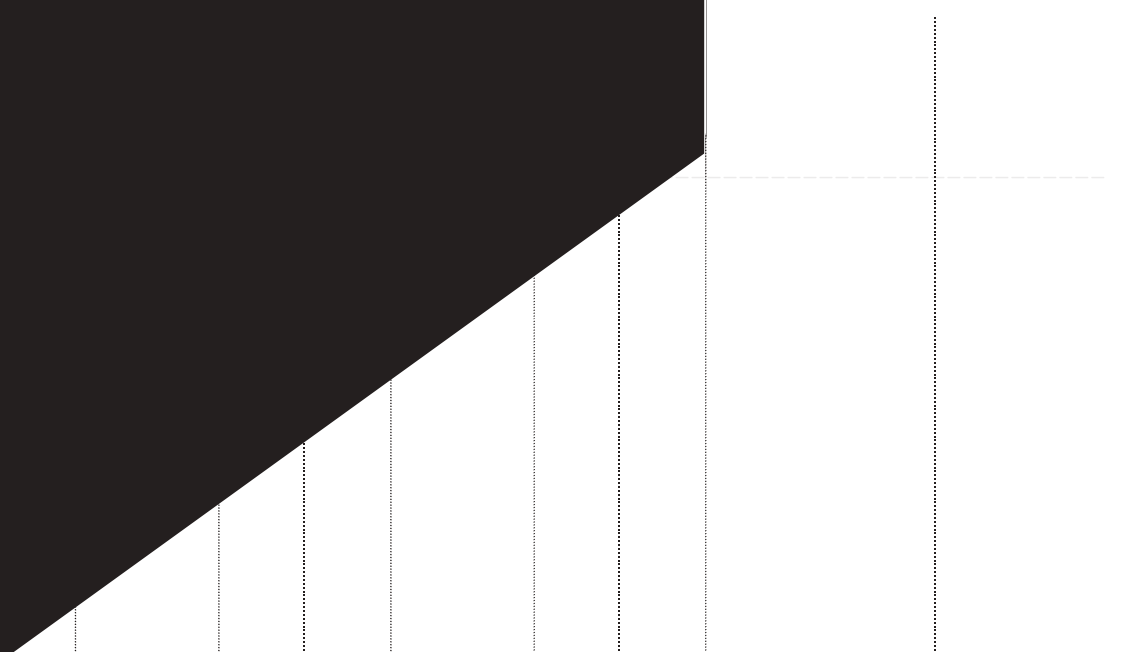
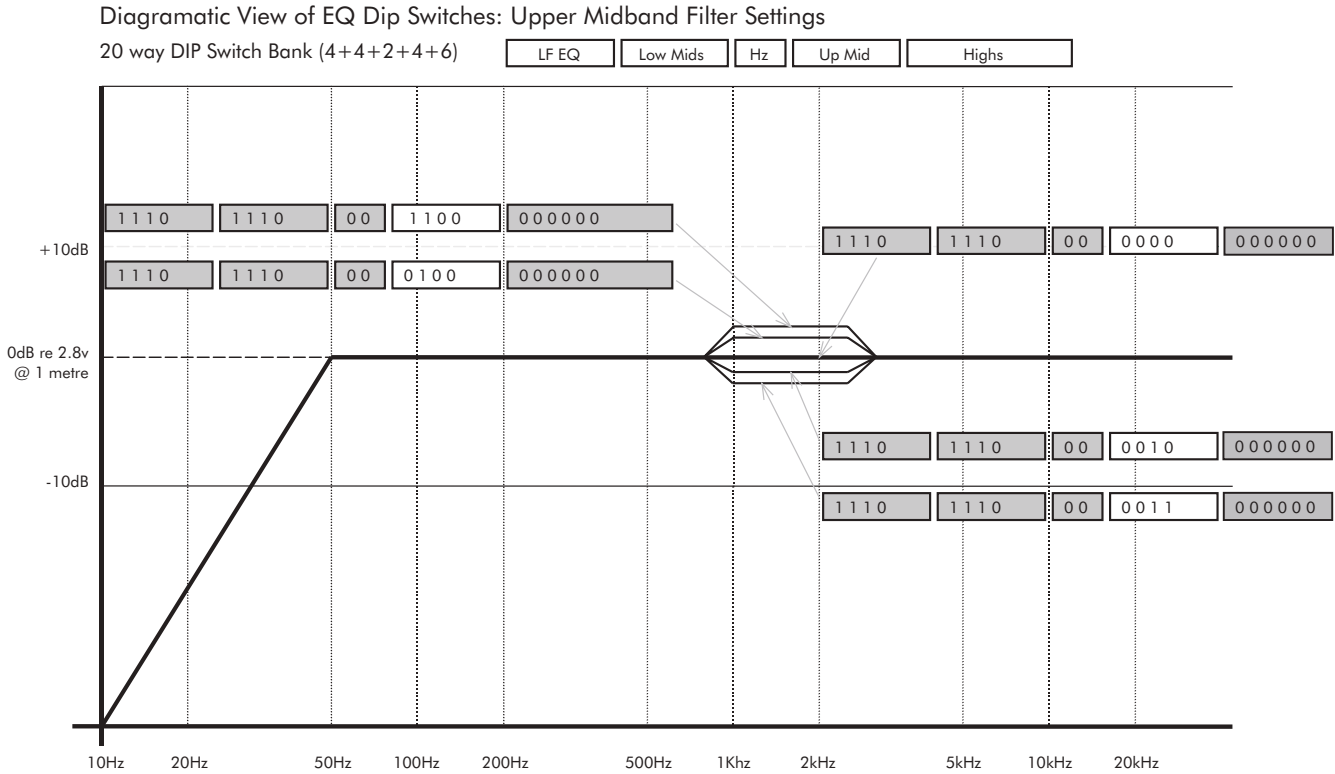


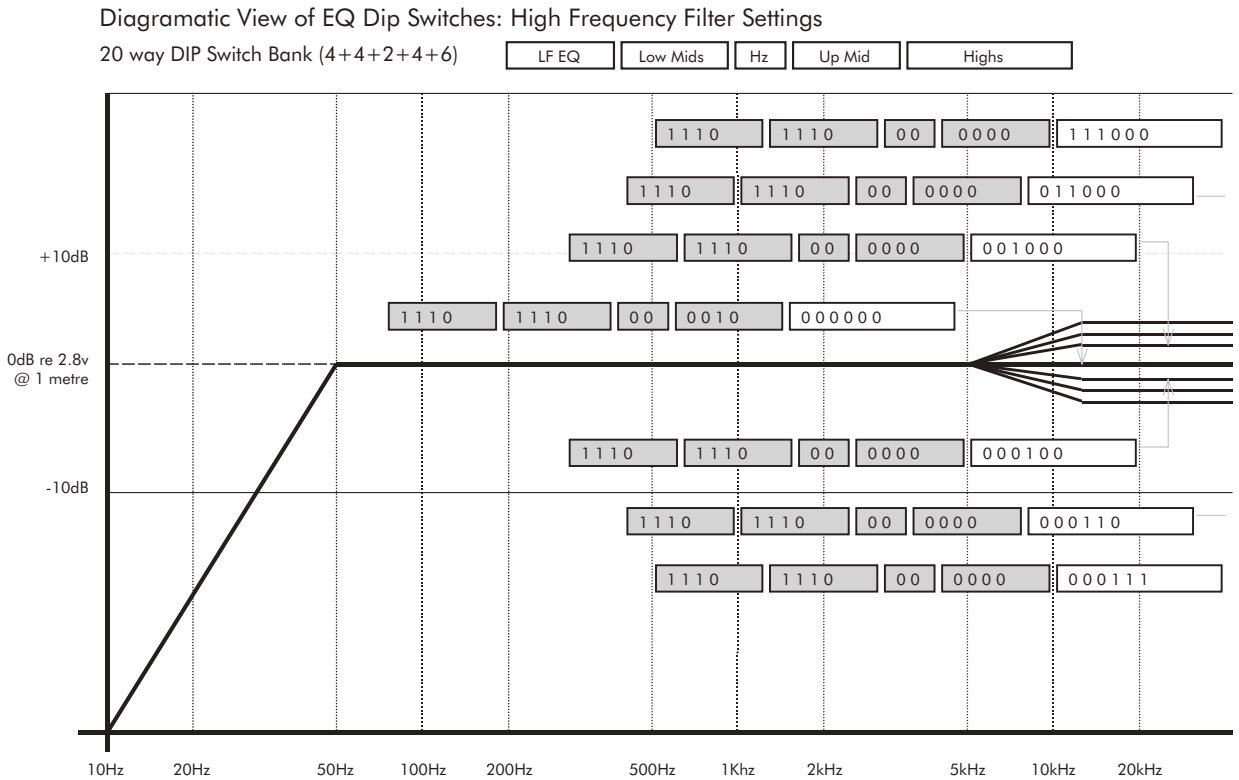
Fig. 3. DIP switches 5 to 8 control amplitude, 9 & 10 control frequency - set here to 800Hz. All other DIPs set to 'flat'.

Hi-Mid Shelf Boost/Cut: a shelving filter between 1kHz and 3KHz can be set to +2, +1dB, flat, -1dB, -2dB, to take account of room characteristics and personal preference. Editing news broadcast material is often easier with an increased output in this band. Figure 6 shows the range of adjustment in this area controlled by DIP switches 11 to 14.



■ **Fig. 6.** Range of EQ available for DIP switches 11 to 14. All other DIPs set to 'Flat'.

High Frequency Shelf Boost/Cut: a shelving filter between 5kHz and 50kHz can be set to +3dB, +2dB; +1dB, flat anechoic, -1dB, -2dB, -3dB to take account of RT60 decay times for the environment within this band and to allow a degree of personal preference. Figure 7 shows the range available diagrammatically.



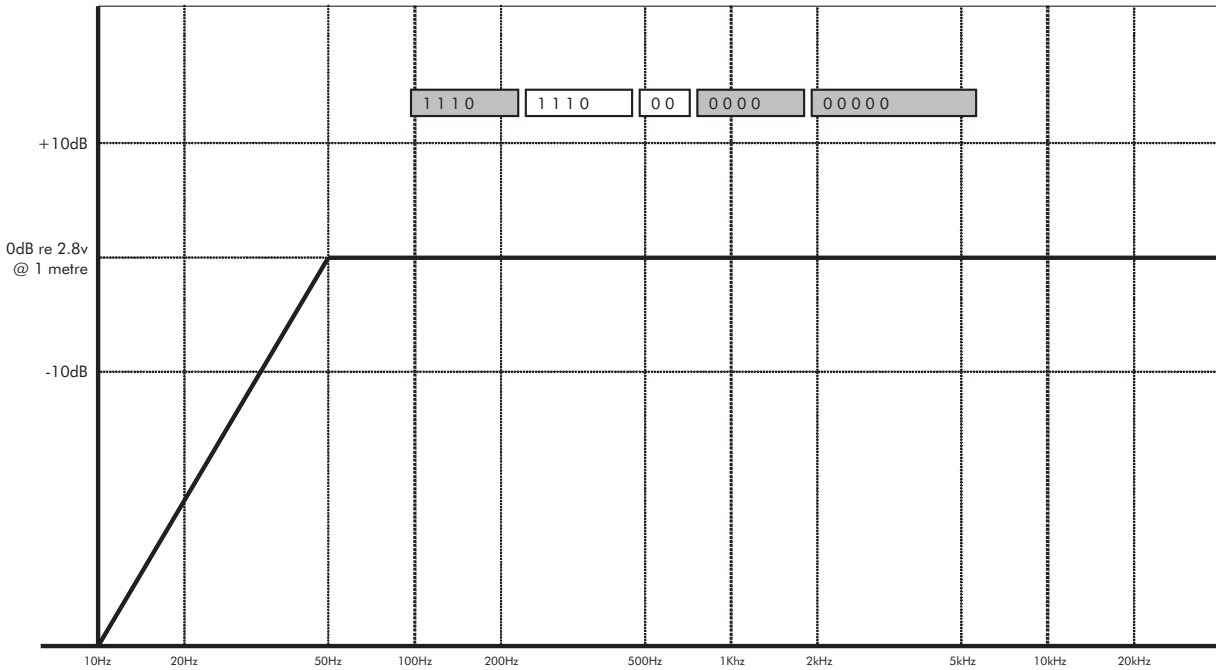
■ **Fig. 7.** The range of upper HF EQ controlled by DIP switches 15 to 20. All other DIPs set to 'Flat'

5.0: A GUIDE TO SETTING THE EQUALISATION

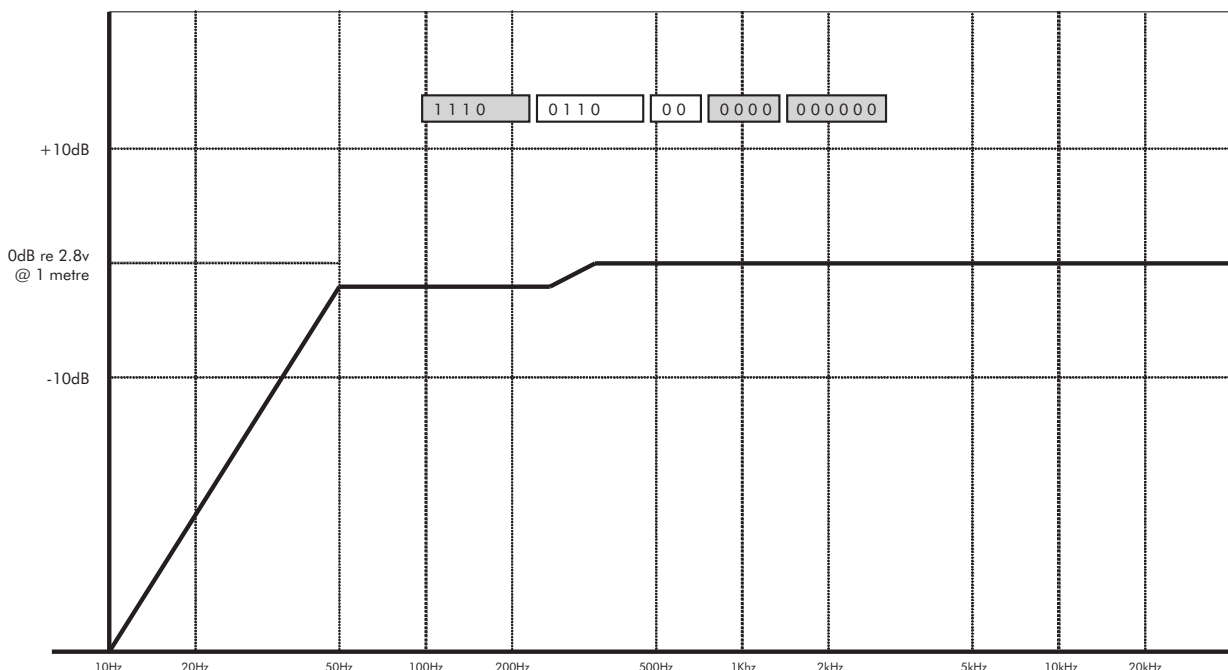
Assess the monitoring conditions and consider these 4 main factors:

1. The environment: free space (4pi), half space (2pi), quarter space (pi) and in the extreme, a "Difficult Space" (pi/2)
2. The distance from the speakers: far field (2 to 3m), mid field (1 to 2m), near field (0.5 to 1m) or close field (less than 0.5m)
3. The room: absorbent or reflective surfaces, estimate the RT 60 decay time above 1kHz
4. The nature of the source material: prolonged sessions working on editing bright or forward material can produce fatigue.

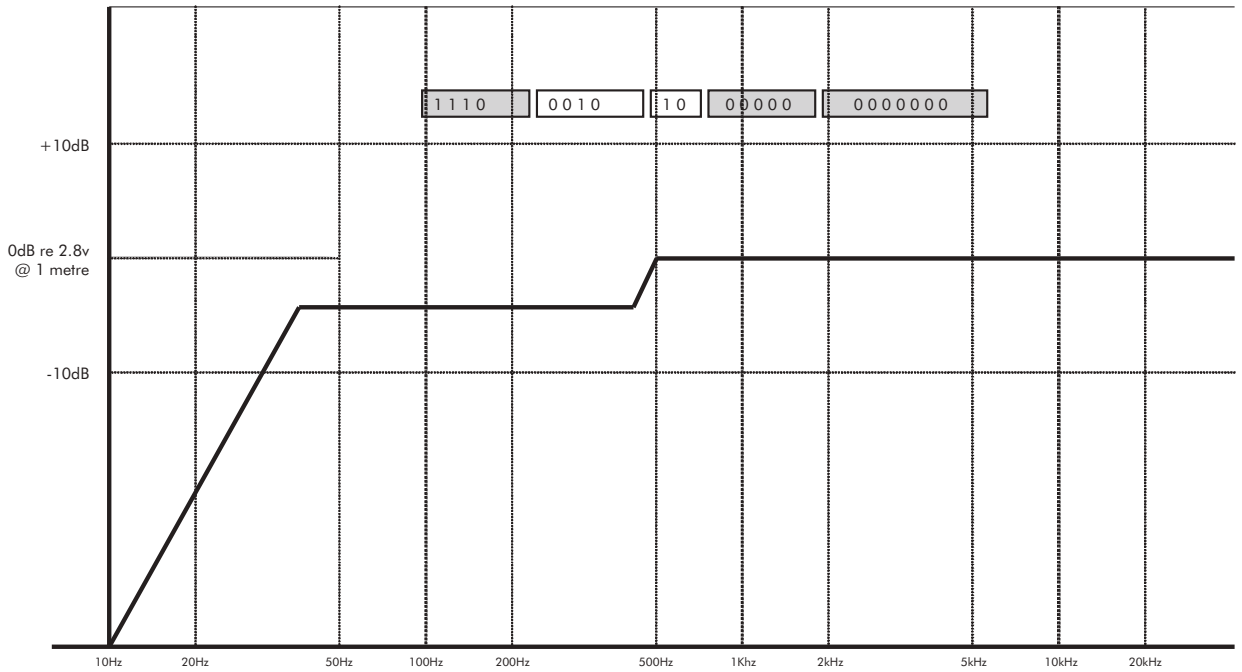
Free Space (4Pi): An example of free space conditions would be with the speakers mounted on tall (0.5m to 1.2m) speaker stands well away from the wall at one end of a room and with the listener 2 to 3 meters away. Under these conditions set all the DIP switches to the 'flat anechoic' position. This then provides a high quality high fidelity installation operating in good acoustically treated environments.



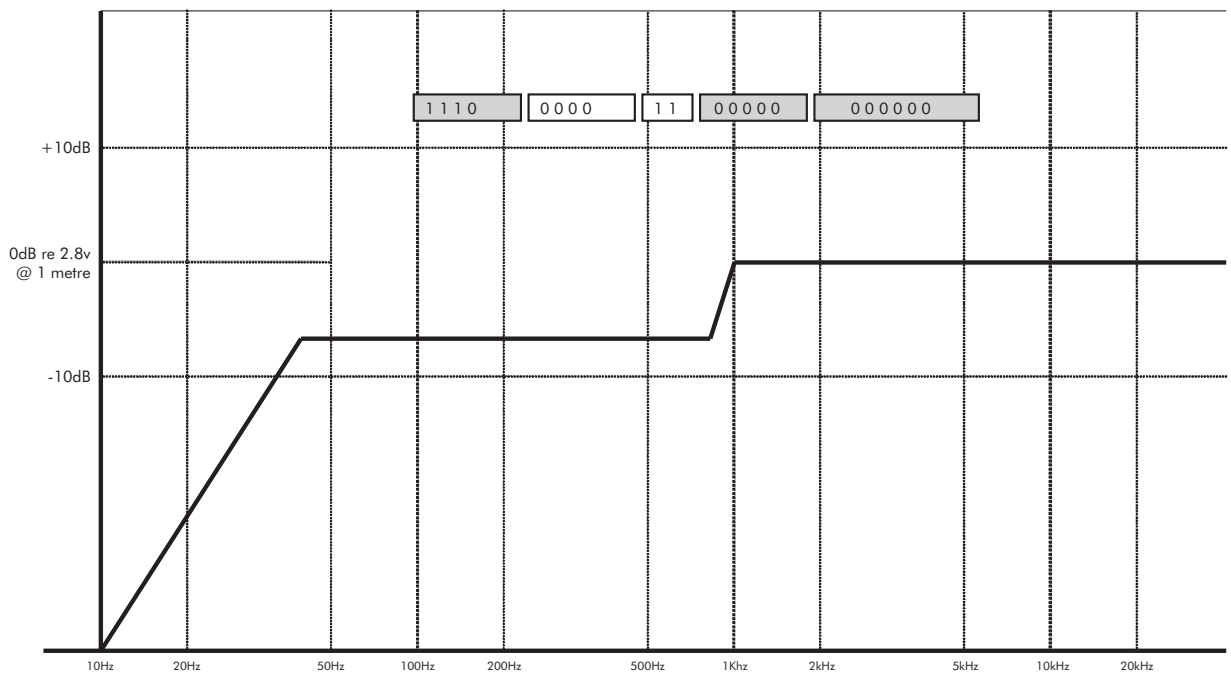
Half Space (2Pi): An example of half space would be with speakers against a wall mounted on stands as above, or on the meter bridge with the console in the centre of a room. Follow the DIP settings in the diagram below for half space (Pi/2) and adjust for the listening distance accordingly. Adjust the LF-Q settings to balance the system.



Quarter Space (Pi): An example of quarter space would be with speakers mounted on stands in a corner, or on the meter bridge against a wall or mounted on small stands or shelves against a wall. Also typical PC/Mac editing in a confined space on a desk near a wall. This is usually also a close field situation. Follow the DIP settings below for Quarter Space and adjust for the listening distance accordingly. Adjust the LF-Q settings to balance the system.



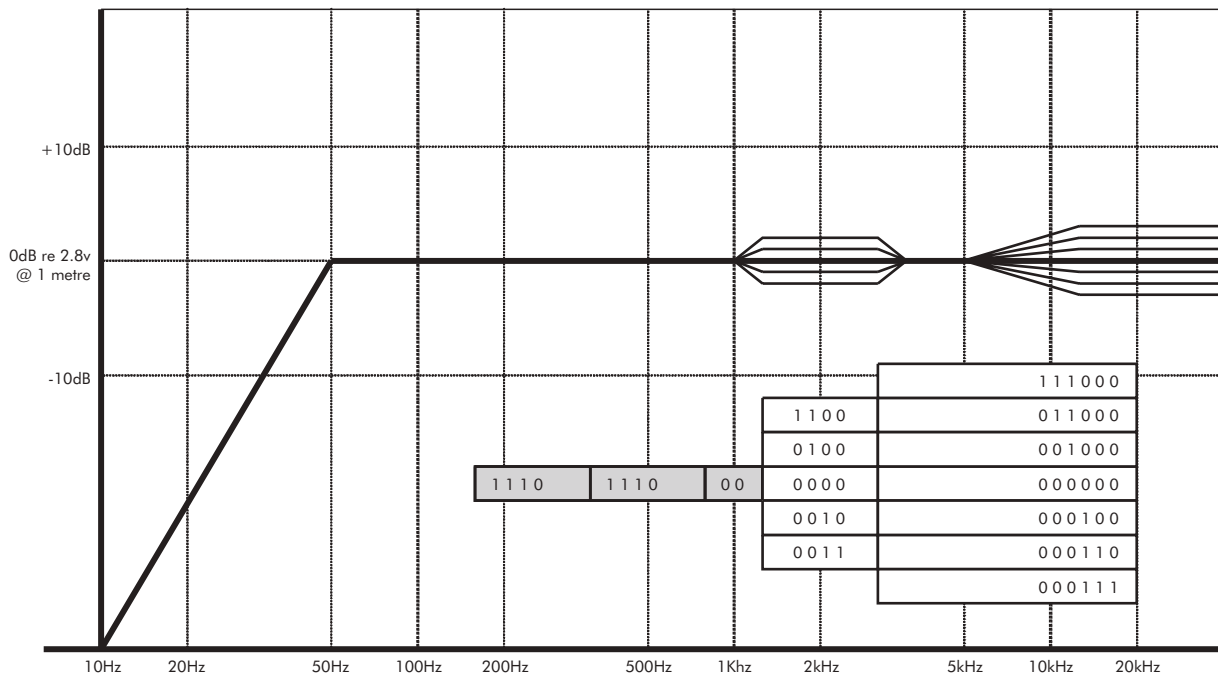
"Difficult Space" (pi/2): An example of a difficult space would be with speakers against a wall, mounted on the same surface as the PC/Mac machine tilted upwards towards the listener with one or other (or both!) speakers in a corner. This is also a close field situation and demands extreme EQ to make the speakers measure reasonably flat. Typical examples might be a mobile or temporary sound booth set up during an outside broadcast or live field event. Follow the DIP settings in the diagram below for "Difficult Space" for the speakers in corners and adjust for the listening distance accordingly. Adjust the LF-Q settings to balance the system.



MID AND HIGH EQ SETTINGS

RT60 Decay Time: An estimation of the RT60 decay time above 1kHz within the monitoring environment will help to set the mid and high frequency equalisation. Hard surfaces in general and particularly if close to the speakers will increase the amount of reverberant energy to direct energy above 1kHz (RT60 above 500mS) and may justify setting the mid or high EQ (or both) to -1dB. Absorbent surfaces in general and particularly if close to the speakers (RT60 below 200mS) will reduce the reverberant to direct energy and may justify setting the mid or high (or both) EQ to +1dB. In both cases the LF-Q may be adjusted to compensate the overall balance. If the monitor environment is well designed with a flat RT60 time of around 200 to 250mS then no LF-Q, mid or high EQ should be required.

Source Material: For prolonged sessions working on bright, forward or difficult news/location material where the content of material is being edited rather than control of the sound quality the full range of mid and high EQ can be used to prevent fatigue. This is a matter of individual taste and the EQ can be set accordingly. Alternatively, boosting mid and high frequencies can make decisions during editing easier with limited bandwidth material.



6.0: INSTALLING AND POSITIONING

When choosing a suitable location for the monitors, bear in mind that the physical mounting of loudspeakers can have a large influence on performance. For best results the monitors should be mounted on a rigid structure, supported on four pads making contacts with the laminated panel. The use of soft pads (rubber, Sorbothane, or Blu-Tak) is recommended.

Ensure that the console position does not obscure the direct sound radiation from the loudspeakers when sitting down. The engineer and producer should have a clear, uninterrupted view of the monitor loudspeakers.

6.1: 5.1 SURROUND MONITORING

In order to ensure a uniform acoustical environment, the room should be symmetrical about the centre loudspeaker axis; room treatments should be applied symmetrically throughout the room. Mixed "Live end/Dead end" environments should be avoided. If the lateral speakers are positioned close to walls then the constitution of the wall surfaces should be identical.

When using either Precision 6D or 8D as the main effects speaker for the front soundstage, placement is a critical factor for good performance.

In all cases the centre channel speaker should be placed as close to the viewing screen as possible. The viewing position when seated determines the ideal mounting height, but in all cases this should be as close as possible to ear height, if this is not possible the monitor should be tilted towards ear height in the mix position. The centre speaker should be positioned along the centre axis of the picture and the left/right monitors just outside the picture, ideally the three front effects speakers would be placed with the front baffles in line with the screen surface. If an acoustically transparent screen is used, the left/right monitors should be placed just inside the edges of the picture. The surround speakers should be positioned at the same distance to the mix position as the main front speakers. As the subwoofer/LFE channel only produces low frequencies it is difficult to localise its position by ear. As a result it could effectively be situated anywhere in the room, though optimum performance will be gained by placing the subwoofer in the same plane as the main front speakers. The LFE channel is set at a level 10dB higher than the other channels when mixing therefore it is important to apply the same in any playback situation.

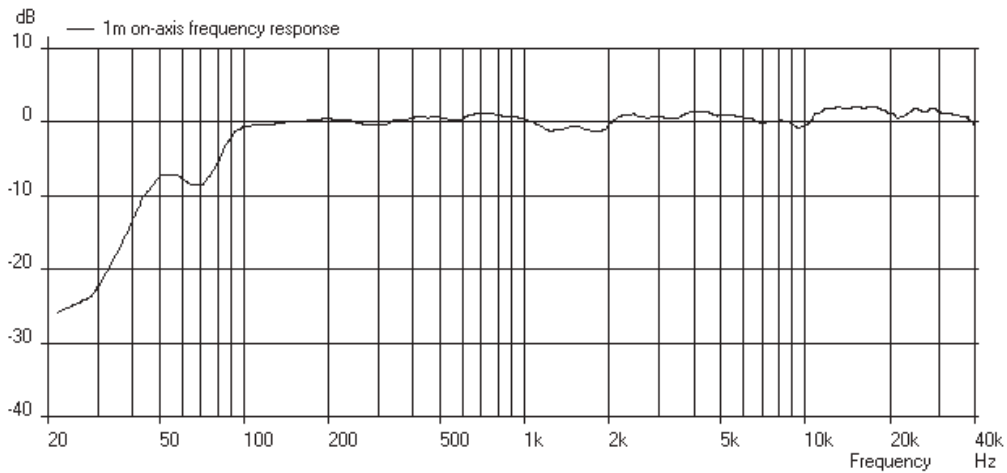
6.2: SPEAKER MOUNTING

You've probably got your monitors delicately balanced on your console meter bridge, or sitting on a counter top beside your hard disc editor. Find some music with some real solid low end that you know well. Try listening to this music with the speaker sitting directly on the mounting surface and then with it sitting on a thin piece of rubber pad. Hear a difference? Which one sounds more like the recording should? Does one get tubby, or muddy? Depending on the type of mounting surface, you may find it beneficial to use a thin layer of flexible material (i.e. Bluetack) beneath the enclosure. This not only absorbs some vibration, but will help prevent the monitor from vibrating off of its mounting surface.

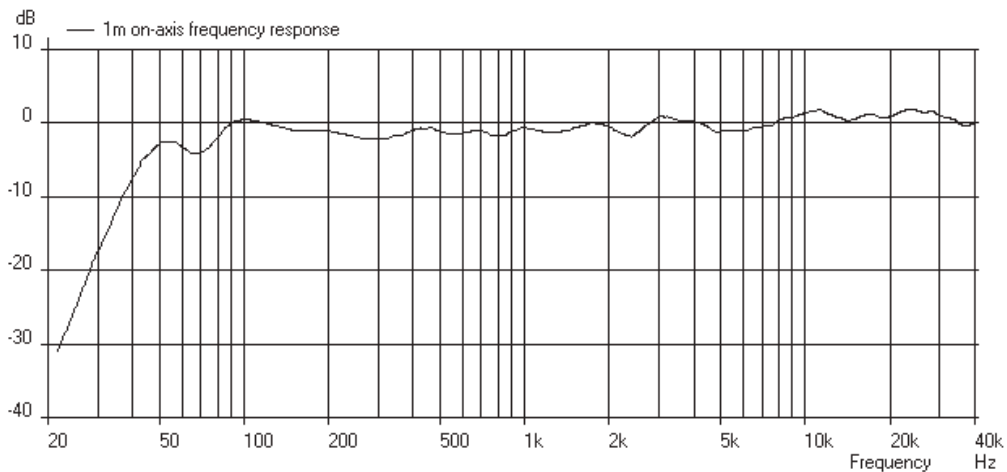
6.3: BASS PORTS

The Precision D monitor's bass port is located on the back panel. You should keep the back panels at least 150mm (6") away from the nearest wall surface to avoid an overblown bass sound. If you cannot avoid being close to the wall or if you're using a separate subwoofer, you may want to consider plugging the port tubes on your near-fields with a closed cell foam-rubber plug, friction fit for a full seal. Because the ports aren't needed if the monitor speakers are being used with a high pass filter, you won't be losing any bass performance and you can improve the mid-bass response by plugging the ports.

7.0: PERFORMANCE DATA



PRECISION 6D



PRECISION 8D

8.0: TECHNICAL SPECIFICATIONS

SYSTEM	P6D	P8D
Frequency response (1)	59Hz – 51 kHz	43Hz-51kHz
Maximum SPL (2)	116dB	119dB
Distortion	<0.5%	<0.4%
Dispersion (@-6dB)	90 degrees	90 degrees
Drive unit LF/MID	165mm (6") Dual Concentric™ constant directivity driver with multi fibre paper pulp cone	200mm (8") Dual Concentric™ constant directivity driver with multi fibre paper pulp cone
Dual Concentric™ HF	25mm (1") titanium dome neodymium magnet system	25mm (1") titanium dome neodymium magnet system
SuperTweeter™	25mm (1") titanium dome neodymium magnet system	25mm (1") titanium dome neodymium magnet system
Shielded	Yes	Yes

ELECTRONIC SECTION

Input	600Ω balanced on combined XLR/jack	600Ω balanced on combined XLR/jack
Sensitivity	0.775 Vrms for Full Output	0.775 Vrms for Full Output
Crossover frequency	2.5kHz	2.2kHz
Amplifier output power	LF 75 W rms HF 35 W rms	LF 120 W rms HF 60 W rms
User Controls	Front panel mounted on/standby/mute LED indicator Rear Trim +6/-12dB 80Hz High-Pass switch (for AV use) 16-way DIP switch selection for response optimisation	Front panel mounted on/standby/mute LED indicator Rear Trim +6/-12dB 80Hz High-Pass switch (for AV use) 16-way DIP switch selection for response optimisation
Power supply	Fixed mains voltage IEC inlet with detachable power cord Region Specific (to order) 110/220/230v	Fixed mains voltage IEC inlet with detachable power cord Region Specific (to order) 110/220/230v

CABINET

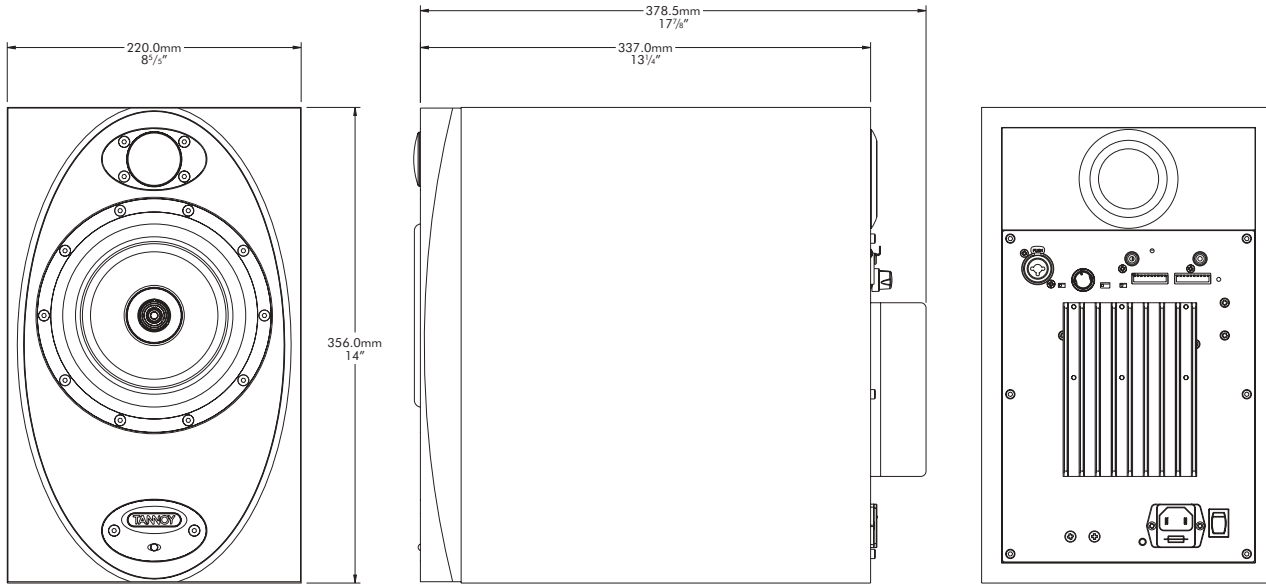
Low frequency design	Optimised bass-reflex loaded	Optimised bass-reflex loaded
Cabinet construction	MDF cabinet and front baffle, tongue and groove front and back	MDF cabinet and front baffle, tongue and groove front and back
Cabinet finish	Black cabinet Grey painted baffle with brushed aluminium inlay	Black cabinet Grey painted baffle with brushed aluminium inlay
Cabinet dimensions (HxWxD)	356mm x 220mm x 378.5mm 14" x 8 ⁵ / ₈ " x 17 ⁷ / ₈ "	440mm x 272mm x 370.5mm 17 ³ / ₈ " x 10 ³ / ₄ " x 14 ⁵ / ₈ "
Total Cabinet weight	13kg (28.6lbs)	18kg (39.6lbs)

NOTES

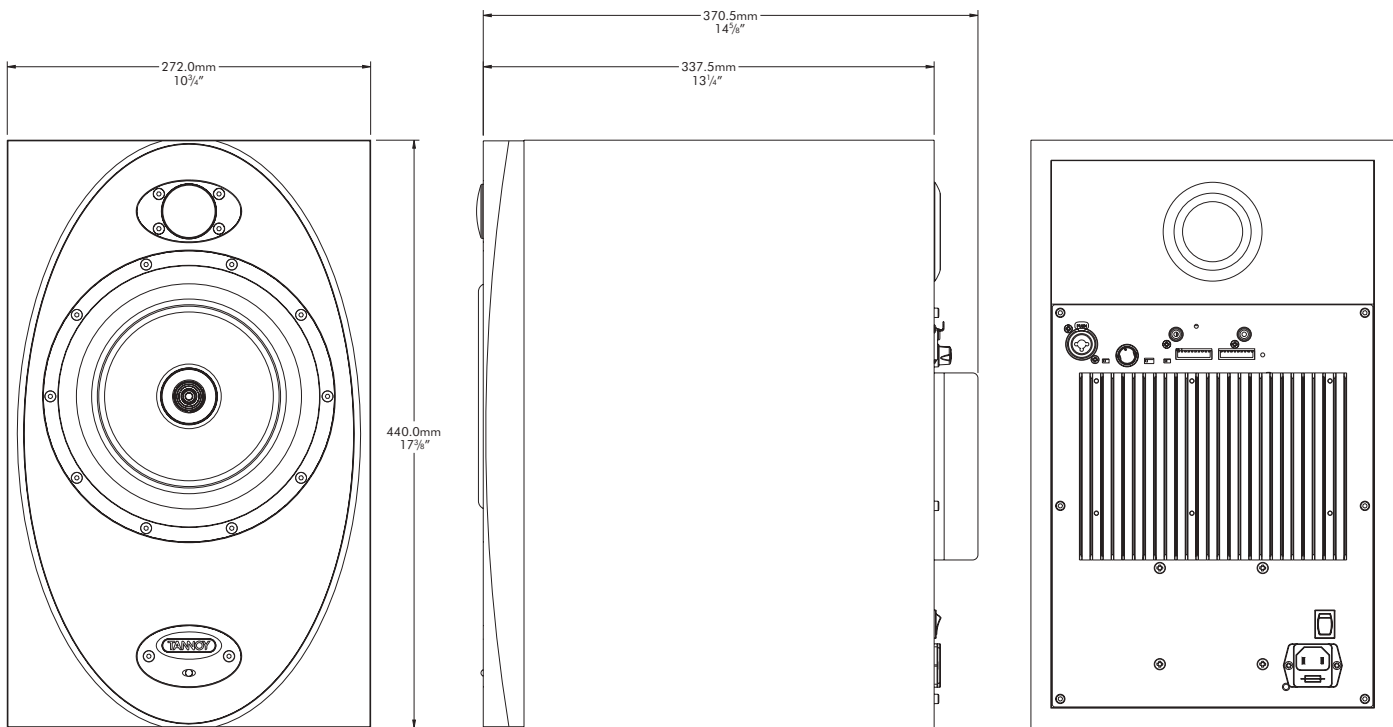
(1) +/- 3 dB, measured at 1m in an anechoic chamber. (2) Peak SPL at mix position for 1 pair driven.

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications which Tannoy reserve the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

9.0: DIMENSIONS



P6D



P8D

10.0: SERVICING | 10.1: CABINET FINISH

To remove marks and scuffs use a soft brush. If necessary, a little warm water and detergent can be used but under no circumstances use a solvent or abrasive cleaner.

10.2: DRIVER REMOVAL

Lay the cabinet on its back. Remove the ten hexagonal screws and set aside. Ease the driver from the front of the cabinet taking care not to mark the front surface. Remove the driver, note the polarity of the internal connections and disconnect the internal wiring. Take care not to damage the moving parts of the LF driver. To refit the driver, connect the cables from the crossover to the LF terminals. Fit the driver into the mounting hole, making sure that the internal connecting cables are not trapped or able to touch the LF cone. Fasten the screws finger tight and then progressively tighten them down with the appropriate Allen key. Repeat the same procedure for the HF driver.

10.3: AMPLIFIER

A fuse is located just under the mains input (fig 1). Replacement is simple and a spare fuse is provided inside the fuse housing itself. Always use the correctly rated fuse, as indicated on the silk screen-printing. Only qualified and authorised personnel should undertake any other servicing regarding the amplifier section.

In case of any malfunction of the unit, the first thing to check should be the input connection, more especially if the source has unbalanced outputs (see "Connecting your speakers" section) as improper connection can result in significant level reduction and affect the response.

10.4: LIST OF SPARE PARTS

DESCRIPTION	PRECISION 6D (PART NO)	PRECISION 8D (PART NO)
Driver Kit	Type 1699 – 7900 0749B	Type 2075 – 7900 0750B
High Frequency Unit (Dual)	7900 0892B	7900 0892B
Supertweeter	Type 0288 – 7900 0751B	Type 0288 – 7900 0751B
Amplifier Complete	7300 0935 (230V)	7300 0936 (230V)
Amplifier Complete	7300 1029 (110V)	7300 1030 (110V)
Filter Board Assembly	7600 1553	7600 1554
Power Board Assembly	7600 1556	7600 1557
Digital I/O Board Assembly	7600 1558	7600 1558
Features Board assembly	7600 1409	7600 1409
Transformer	3212 0132	3212 0133
Passive Crossover	Type 1508 – 7300 1043	Type 1509 – 7300 1044

11.0: WARRANTY**NO MAINTENANCE OF THE PRECISION 6D & 8D MONITORS IS NECESSARY.**

All components are guaranteed for a period of one year from the date of manufacture, subject to the absence of, or evidence of, misuse, overload or accidental damage.

For further information please contact your dealer or the distributor in your country.

If you cannot locate your distributor please contact:

Customer Services, Tannoy Ltd., Coatbridge, Strathclyde, ML5 4TF, Scotland

Telephone: 01236 420199 (UK) +44 1236 420199 (International)

Fax: 01236 428230 (UK) +44 1236 428230 (International)

Internet: <http://www.tannoy.com>

DO NOT SHIP ANY PRODUCT TO TANNOY WITHOUT PREVIOUS AUTHORISATION

This warranty in no way affects your statutory rights.

12.0: DECLARATION OF CONFORMITY

The following apparatus is/are manufactured in China by Tannoy Ltd of Rosehall Industrial Estate, Coatbridge, Scotland, ML5 4TF. The following equipment is marked with the CE label and conform(s) to the protection requirements of the European Electromagnetic Compatibility Standards and Directives. The apparatus is designed and constructed such that electromagnetic disturbances generated do not exceed levels allowing radio and telecommunications equipment and other apparatus to operate as intended, and, the apparatus has an adequate level of intrinsic immunity to electromagnetic disturbance to enable operation as specified and intended.

Details of the Apparatus: Precision 6D Studio Monitor
Precision 8D Studio Monitor

The equipment listed above is covered by this certificate and marked with the CE-label conforms to the following standards:

EN 60065 (IEC 60065)	Safety requirements for mains operated electronic and related apparatus for household and similar general use
EN 55103-1	Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use. Part 1: Emission.
EN 55103-2	Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

With reference to regulations in following directives:
73/23/EEC, 89/336/EEC

Signed:



Position: Technical Director

Date: 1 March 2005

For Tannoy Ltd

PRECISION
STUDIO MONITOR

 **DUAL**TM
CONCENTRIC

 **WIDEBAND**TM
TECHNOLOGY

Tannoy United Kingdom	T: +44 (0) 1236 420199	F: +44 (0) 1236 428230	E: enquiries@tannoy.com
Tannoy North America	T: (519) 745 1158	F: (519) 745 2364	E: inquiries@tannoyna.com
Tannoy Deutschland	T: (04102) 888 393	F: (04102) 888 959	E: info@tannoy.com

Tannoy adopts a policy of continuous improvement and product specification is subject to change.

tannoy.com