

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.

Consult the dealer or an experienced radio/TV technician for help. Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

## Specifications

| SYSTEM SPECIFICATIONS   | W371A  |
|---|--|
| Lower cut-off frequency -6 dB (anechoic, continued directivity mode)  | 23 Hz*   |
| Upper cut-off frequency -6 dB (anechoic, continued directivity mode)  | 500 Hz**                                       |
| Accuracy of frequency response (anechoic, continued directivity mode)   | ± 3 dB (25 Hz - 450 Hz)                        |
| Drivers   | Front 356 mm (14 in), Rear 305 mm (12 in)      |
| Harmonic distortion at 1 m on axis in half space, 30 to 100 Hz  | 2nd ≤ 3% @ 100 dB SPL<br>3rd ≤ 2% @ 100 dB SPL |
| Harmonic distortion at 1 m on axis in half space, >100 Hz   | < 0.5% @ 95 dB SPL                             |
| Maximum short term sine wave SPL output averaged 30 Hz to 100 Hz, measured in half space at 1 meter   | ≥117 dB SPL                                    |
| Maximum short term sine wave SPL output averaged 100 Hz to 500 Hz, measured in half space at 1 meter  | 120 dB SPL                                     |
| Maximum peak SPL output with pink noise, measured in half space at 1 meter. (Long term output is limited by driver unit protection circuitry) | ≥123 dB SPL                                    |
| Self generated noise level in free space at 1 m on axis (A-weighted)  | ≤15 dBA  |
| Weight  | 61 kg (134 lb)                                 |
| Dimensions  |  |
| Height without feet   | 1100 mm (43 5/16 in)                           |
| Height with feet  | 1108 mm (43 5/8 in)                            |
| Width   | 400 mm (15 3/4 in)                             |
| Depth   | 400 mm (15 3/4 in)                             |

\* In-room LF roll-off -6 dB target is 19 Hz

\*\* HF roll-off is determined by operating mode and in-room responses. Values from 150 Hz to 300 Hz are possible

| SIGNAL PROCESSING SECTION                                    | W371A  |
|--|--|
| Analogue signal input connector XLR female, balanced 10 kOhm | pin 1 gnd, pin 2 non-inverting, pin 3 inverting  |
| Maximum analogue input signal                                | +25.0 dBu  |
| Analogue input sensitivity (100 dB SPL at 1 m)               | -6 dBu   |
| Adjustment range   | +48 dBu to -6 dBu  |
| Digital signal input connector XLR female 110 Ohm            | AES/EBU Single wire  |
| Digital signal output / Thru connector XLR male 110 Ohm      | AES/EBU Single wire  |
| Digital audio input  |  |
| Word length  | 16 - 24 bits   |
| Sample rate  | 32 - 192 kHz   |
| Digital input sensitivity (100 dB SPL at 1 m)                | -30 dBFS   |
| Digital input maximum attenuation                            | 48 dB  |
| Positive input gain selection (via GLM)                      | (+6, +12, +18 dB)  |
| Control network  |  |
| Type   | Proprietary GLM network  |
| Connection and cable   | 2 RJ45, standard CAT5 cable or later   |
| System calibration   | AutoCal  |
| Input/output connections                                     | 1 x analog XLR input / 1 x analog thru, 1 x XLR digital AES/EBU input / 1 x digital thru |

| AMPLIFIER SECTION   | W371A                 |
|---|-----------------------|
| Short-term amplifier output power (Long-term output power is limited by driver unit protection circuitry) | 400 + 400 W           |
| Amplifier system THD at nominal output  | <0.01 %               |
| Mains voltage   | 100-240 VAC 50/60 Hz  |
| Power consumption<br>Standby, ISS active<br>Idle<br>Full output, peak                                     | <2 W<br>40 W<br>600 W |

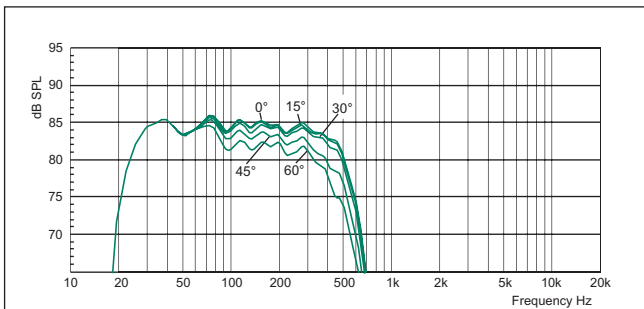


Figure 11. Frequency response of W371A on the acoustical axis and at 15, 30, 45 and 60 degree off-axis angles on the horizontal plane - Continued Directivity Mode

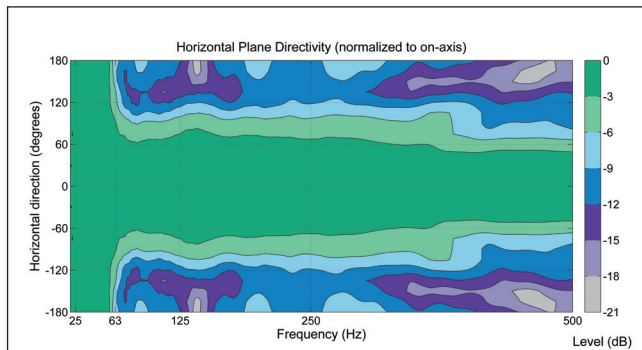


Figure 13. Horizontal directivity of W371A. Null Steering Mode - reduction back wall

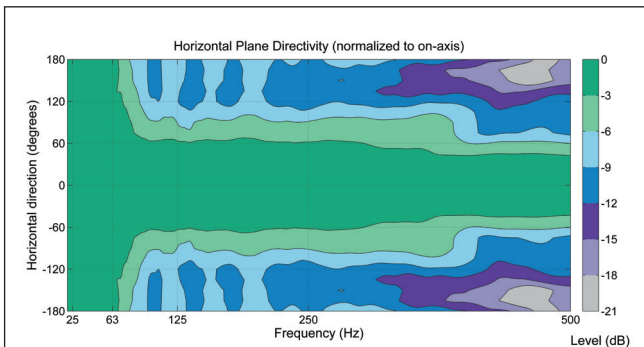


Figure 12. Horizontal directivity of W371A. Continued Directivity Mode

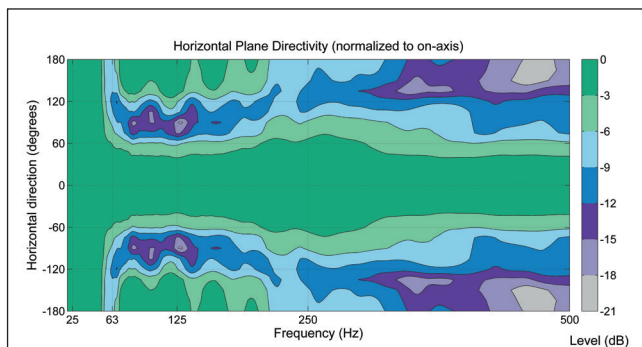


Figure 14. Horizontal directivity of W371A. Null Steering Mode - reduction side wall

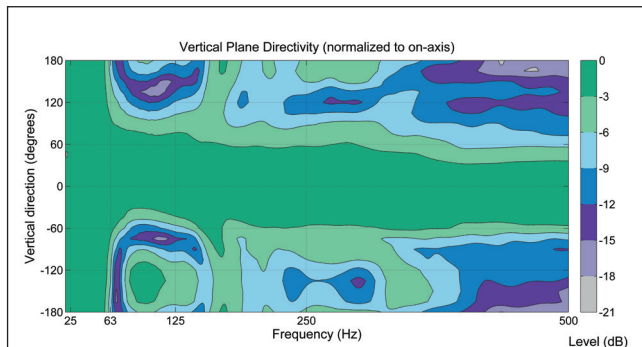


Figure 15. Vertical directivity of W371A. Null Steering Mode - reduction floor