

road 12A

TWO WAY POWERED
STAGE MONITORS

>> Bi-amplified 2-way system

>> 550 W low frequency 3rd Generation Class-D power amplifier

>> 220 W high frequency 3rd Generation Class-D power amplifier

>> 12" speaker (3" voice coil)

>> 3" diaphragm compression driver, 1.5" exit

The Road 12A is a 2-way powered stage monitor that incorporates a 12R4 cone loudspeaker for bass reproduction. High frequencies are handled by an M-75 compression driver with 1.5" exit, a 3" titanium diaphragm and EFV voice coil. The 60° x 40° rotatable horn allows for high frequency coverage options when the situation calls for it.

The bi-amplified system uses a 3G Class "D" amplifier. With a 24-bit DSP providing FIR (Finite Impulse Response) filters, unparalleled control over critical signal parameters can be accomplished.

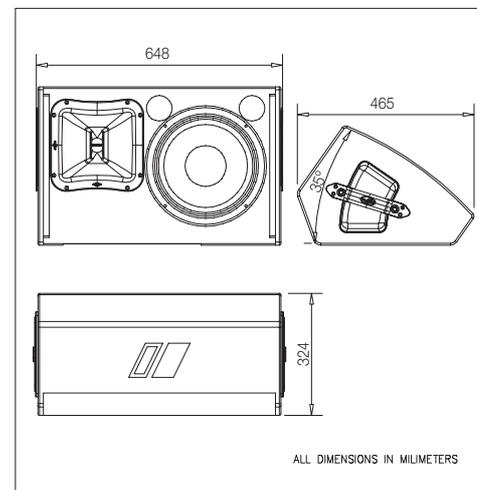
The monitor's low profile design, side mounted handles, and strategically located skid plates allow for ease of use onstage. Hidden connector plugs and indicator LEDs offer an undistractive reference for the artist and a clean stage appearance.

Housed in the birch plywood enclosure finished with durable Iso-Flex black paint and sturdy speaker grilles for "performer's abuse", the Road-12A is available in Left or Right hand versions.

Technical Specifications

Nominal LF Power Amplifier	550W
Nominal HF Power Amplifier	220W
Input Type	Balanced
Input Impedance	Line: 20 kohms
Sensitivity	Line: 1.55V (+ 6dBu)
On-axis Frequency Range (-10dB)	55 Hz - 23 kHz (EQ Monitor)
Maximum Peak SPL at 1m	134 dB
HF Horn Coverage Angles (-6dB)	40° x 60°
Enclosure Material	Birch Plywood
Finish	Isoflex Black Paint
Transducers / Replacement Parts	LF: 1 x 12R4 / GM 12P4 HF: 1 x M-75 / GM M-75
Connectors	ANALOG INPUT: Female XLR LOOP THRU ANALOG: Male XLR AC INPUT: PowerCon NAC 3 FCA AC LOOP THRU: PowerCon NAC 3 DFCB
AC Power Requirements	115 V, 50Hz/60 Hz 230 V, 50 Hz/60 Hz
Current Draw (1/3 power @ 230V)	1.7A
Shut-down Voltage	85V @ 115V 170V @ 230V
Dimensions (H x W x D)	32.4 x 64.8 x 42 cm (12.8 x 25.5 x 16.5 in)
Weight	23.5 Kg (51.7 lb)
Accessories (optional)	TRD-2 TRD-6

Dimensions

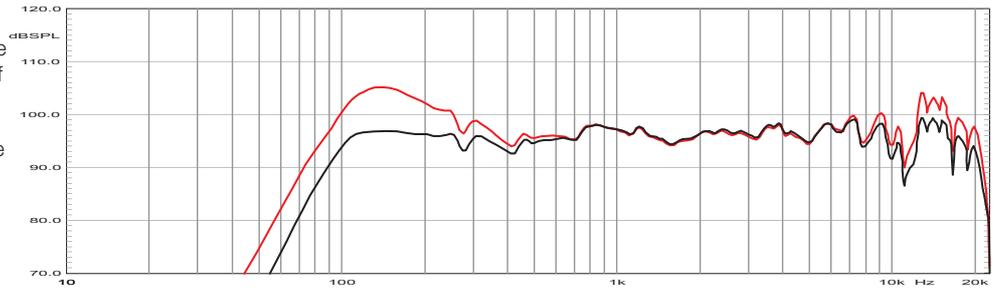


1. Measured maximum peak level

Frequency Response

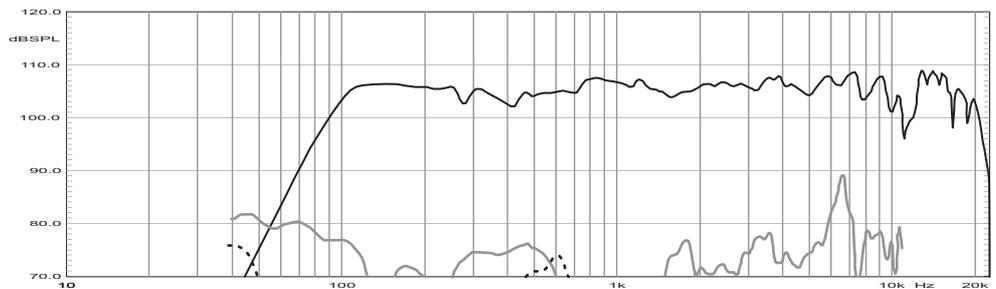
Shows the frequency response of one unit, radiating to a half space environment, at the position of the ear and driven by a -20dBu swept sine wave signal.

Black: Monitor EQ.
Red: Main EQ.



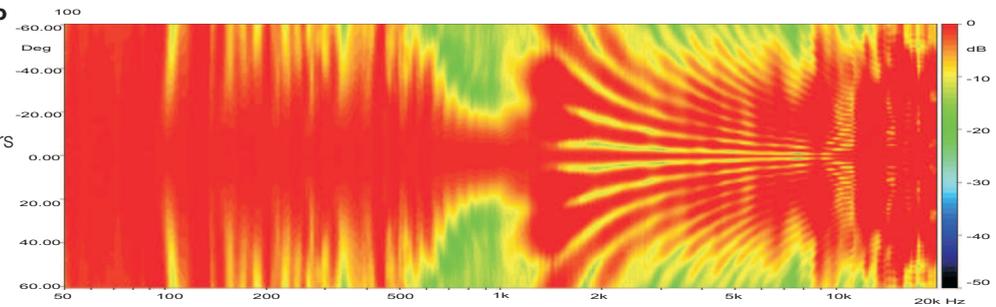
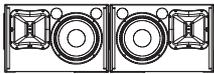
Distortion

Shows the Second Harmonic Distorsion (grey) and Third Harmonic Distorsion (dotted) curves for a unit driven by a swept sine wave signal (-10 dBu input).



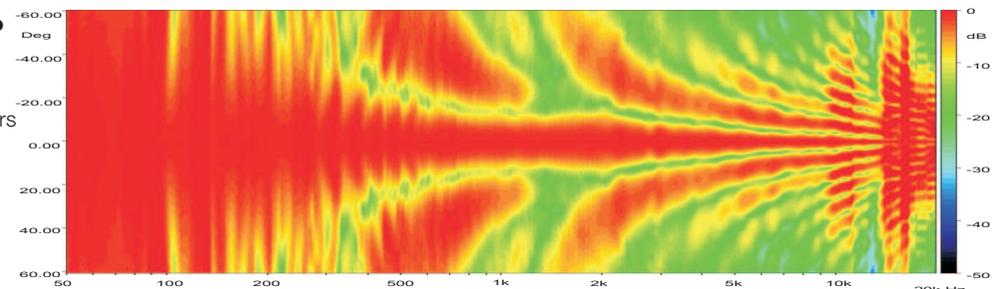
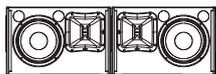
Horizontal Directivity of two units, HF drivers outside (Recommended).

Shows normalized horizontal isobar plot for two units, with the Low Frequency drivers next to each other. 1/12th octave resolution.



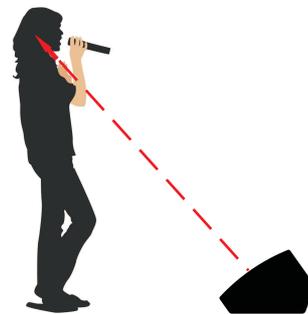
Horizontal Directivity of two units, HF drivers inside.

Shows normalized horizontal isobar plot for two units, with the High Frequency drivers next to each other. 1/12th octave resolution.



Measurements setup.

All measurements have been made to reflect real-life usage conditions, with the monitor on the floor and the microphone placed on the HF axis at the position where the ear of an average height person would be.



NOTES: Frequency response measured outdoors at a distance of 1.95m (6.5ft) from the front grille. For identification of potential feedback frequencies, only light smoothing (1/12th octave) has been used.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.



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