road 12A_net

TWO WAY POWERED STAGE MONITORS

>> Biamplified 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

>> Remote monitoring and control via DASnet™

The Road 12A_net 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 EFW voice coil. The 60° x 40° rotatable horn allows for high frequency coverage options when the situation calls for it.

The biamplified 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.

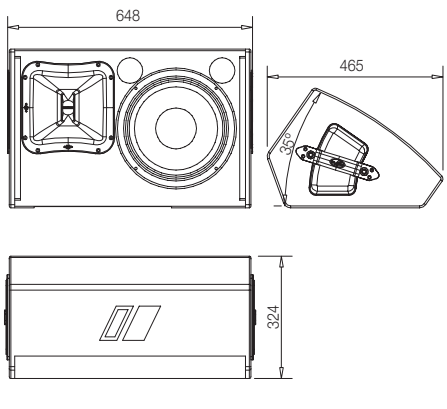
Housed in the birch plywood enclosure finished with durable Iso-Flex black paint and sturdy speaker grilles for “performer’s abuse”, the Road-12A is available in Left or Right hand versions.

Remote monitoring and control is provided by way of DASnet™, the audio management application for D.A.S. powered cabinets and processors which offers users instant and intuitive view of the system status as well as control over a range of parameters of a single cabinet or a network of them.

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[1]	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	AUDIO ANALOG INPUT: Female XLR AUDIO LOOP THRU ANALOG: Male XLR AUDIO+DATA INPUT: etherCON AUDIO+DATA LOOP THRU: etherCON AC INPUT: PowerCon TRUE1 AC LOOP THRU: PowerCon TRUE1
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

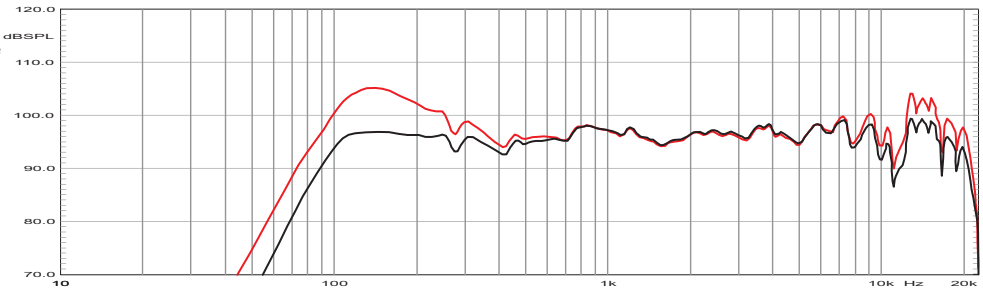


1. Measured maximum peak level

Frequency Response

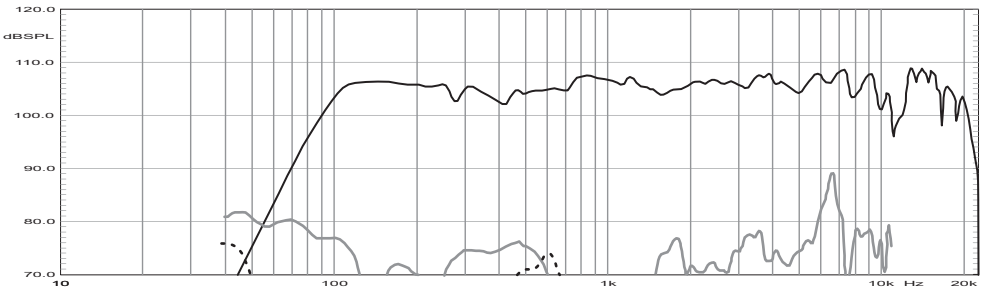
Shows the frequency response of one unit, radiating to a half space environment, at the position of the ear and driven by a -20dBu swept sine wave signal.

Black: Monitor EQ.
Red: Main EQ.



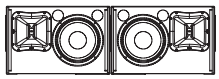
Distortion

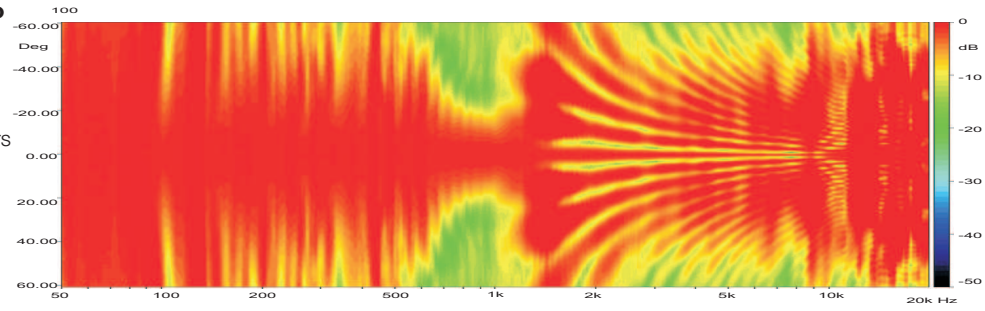
Shows the Second Harmonic Distorsion (grey) and Third Harmonic Distorsion (dotted) curves for a unit driven by a swept sine wave signal (-10 dBu input).



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

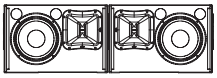
Shows normalized horizontal isobar plot for two units, with the Low Frequency drivers next to each other.
1/12th octave resolution.

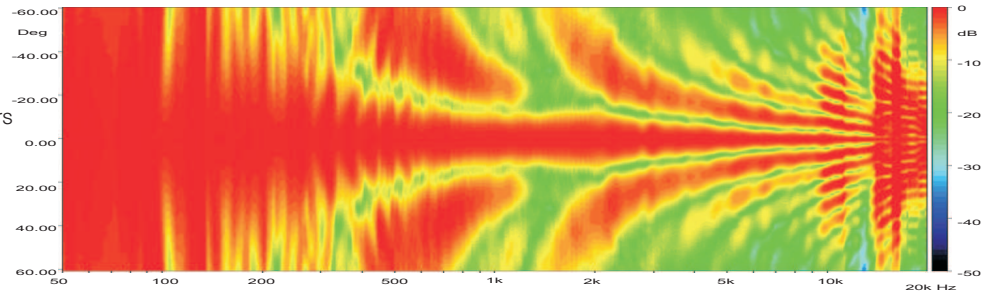




Horizontal Directivity of two units, HF drivers inside.

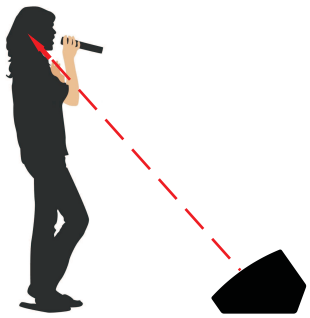
Shows normalized horizontal isobar plot for two units, with the High Frequency drivers next to each other.
1/12th octave resolution.





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. Isobar directivity plots were obtained in a closed space to resemble a practical application.



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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