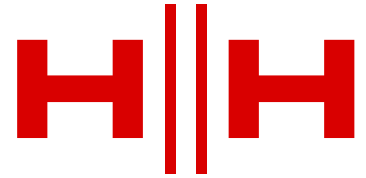


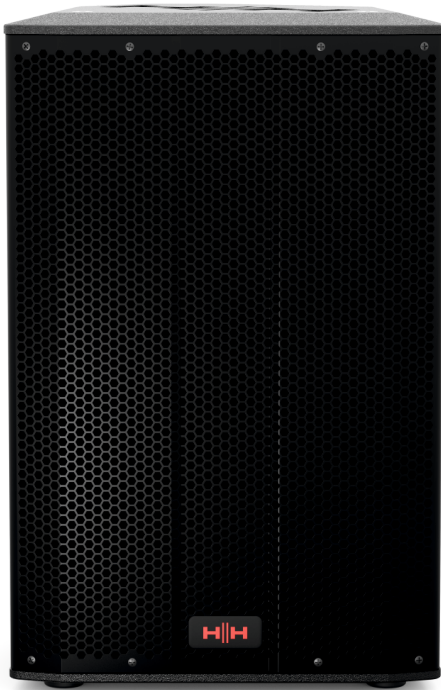
TNX-1201

12" Two-Way Powered Loudspeaker

T E S S E N



SPEC SHEET



The TNX-1201 is a compact and versatile loudspeaker in the Tessen-X range. It has been designed to deliver maximum performance for its size and is suitable for front of house PA, stage monitor or install use.

Key Features:

- Premium high sensitivity, long throw CELESTION 12" woofer
- Premium high performance, CELESTION 1.4" compression driver.
- 2600W asymmetric highly efficient Class D bi-amp
- 7 x M10 fly points for horizontal or vertical suspension
- 35mm pole mount
- 35° monitor angle
- Custom designed DSP engine
- EQ pre-sets for room/application optimisation
- Variable EQ for instant fine tuning for venue/audience size
- Auto-ranging feedback suppression
- Inbuilt 2 channel mixer
- Extensive protection
- Multilayer plywood construction with hardwearing black finish
- 1.5mm steel grille with acoustic foam backing for maximum driver protection
- Frequency range: (-10) 45-20KHz
- Frequency range: (-3) 57-20KHz

Applications:

- Live sound venues
- Dance clubs
- Worship facilities
- Sports facilities
- General sound reinforcement

Specifications:

System	Model : TNX-1201
	System type : 2 way active 12" loudspeaker, Bass reflex
	Frequency response (-10) : 45 - 20kHz
	Frequency response (-3) : 57 - 20kHz
	Max SPL (Peak) : 132dB
Amplifier	
	Power Rating : 2600W Peak, 1300W Continuous
	Input Impedance : 22K Balanced, 10K unbalanced
	Gain : 20dBu
	Maximum Input Level : Mic/Line : 21dBu
	Input Connectors : 2x Balanced Combi XLR/1/4" Jack connectors
	Output Connectors : 1x Balanced XLR output (Switchable CH1/CH1+2)
	Signal Indicators : Power, Standby, Anti-Feedback, Signal Present, Clip Indicator, EQ Mode
	EQ : User selectable performance presets for Flat, Bass, Monitor, Vocal plus HF/LF fine trim.
	DSP : Crossover, EQ, phase and time optimisation
	Protection : Comprehensive protection and clip free limiting + clip indicator
	Feedback Suppression : Auto ranging 12-frequency auto notch anti-feedback
	Other : 2x channel gain, logo on/off
	AC Power : ~100V-240V 50/60Hz
	AC Power Consumption : 150W (1/8th Power)
Speaker	
	HF Driver : 1.4" Celestion CDX1 compression driver
	LF Driver : Celestion TF1225
	Coverage : 90H x 60V nominal
	Crossover Frequency : 3KHz
Enclosure	
	Cabinet : Lightweight multilayer plywood
	Finish : Hard wearing black finish
	Flying points : 7 x M10 Penn-Elcom fly points
	Pole mount : 35mm
	Grille : Heavy gauge 1.5mm powdercoated steel with acoustic foam backing
	Logo : Illuminating with on/off switch
	Monitor Angle : 35°
	Unit dimensions (mm) (HWD) : 624x398x375
	Monitor depth (mm) : 442
	Unit weight (Kg) : 20.3
	Carton dimensions (mm) (HWD) : 695x485x470
	Packed weight (Kg) : 23.6

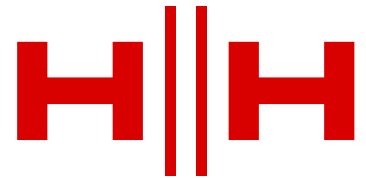
Control Panel:



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TNX-1201

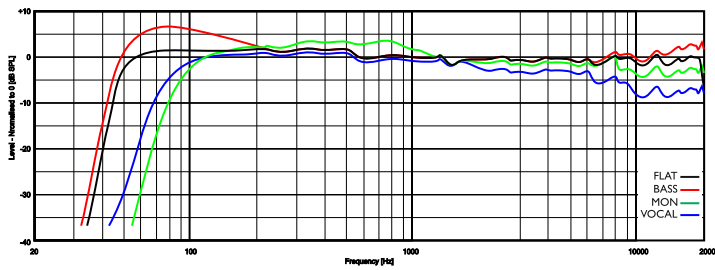
12" Two-Way Powered Loudspeaker



SPEC SHEET

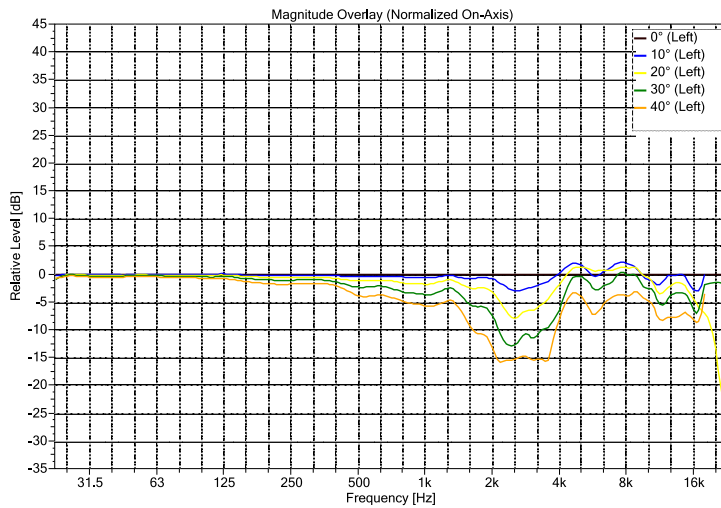
FREQUENCY RESPONSE

Display Parameters: Frequency: (1/3rd Octave) Mer: 0° Par: 0°



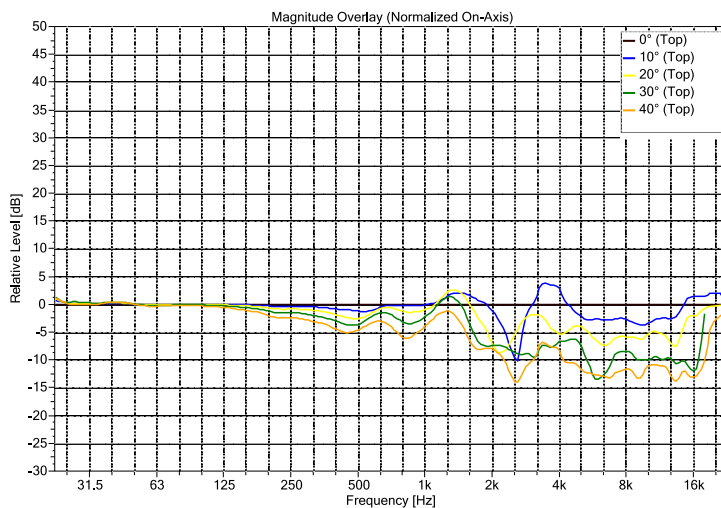
HORIZONTAL OFF-AXIS RESPONSE

Data Shown: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 20000Hz (1/3rd Octave) Mer: 0° Par: 0°



VERTICAL OFF-AXIS RESPONSE

Data Shown: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 20000Hz (1/3rd Octave) Mer: 0° Par: 0°

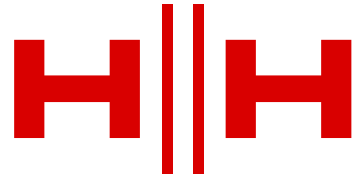


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TNX-1201

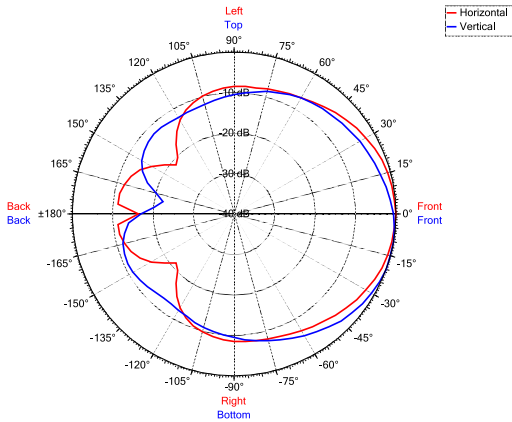
12" Two-Way Powered Loudspeaker

T E S S E N

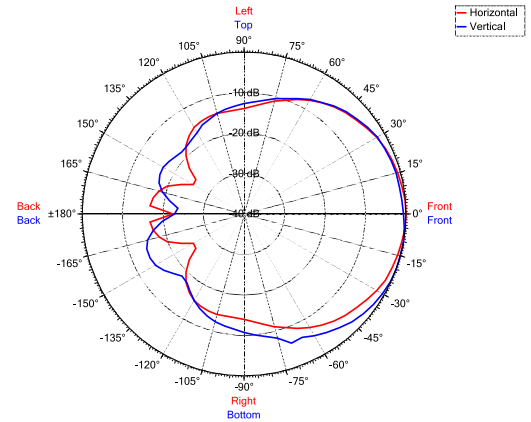


SPEC SHEET

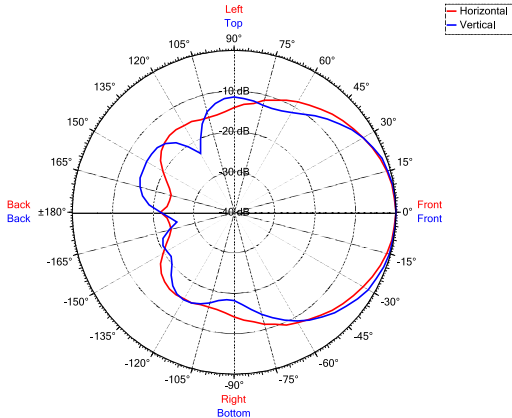
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 500Hz (1/3rd Octave)



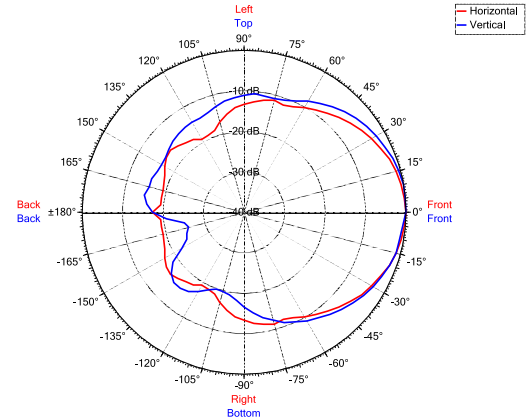
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 630Hz (1/3rd Octave)



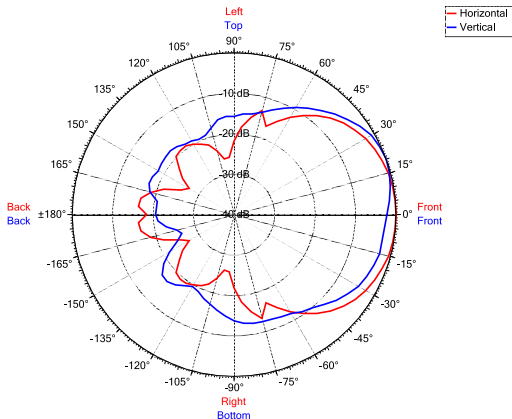
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 800Hz (1/3rd Octave)



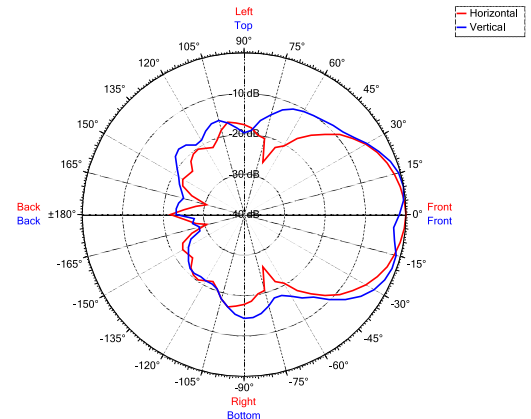
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1000Hz (1/3rd Octave)



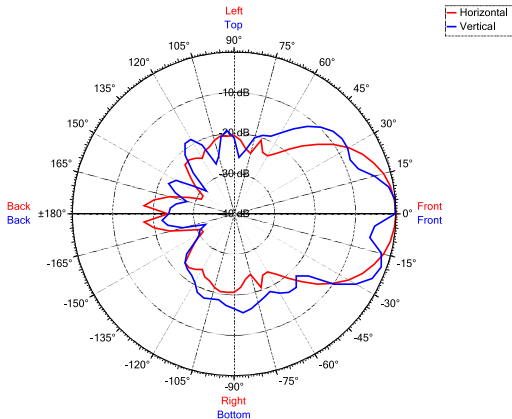
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1250Hz (1/3rd Octave)



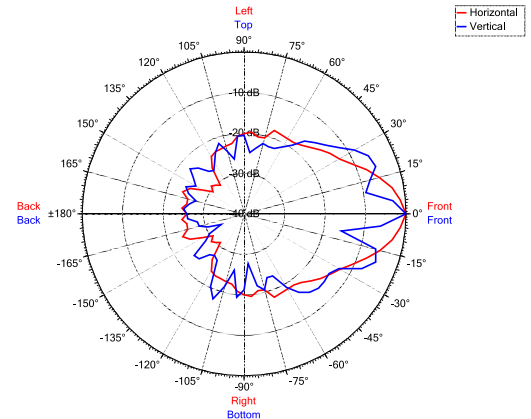
Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1600Hz (1/3rd Octave)



Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 2000Hz (1/3rd Octave)



Data Show: TNX-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 2500Hz (1/3rd Octave)

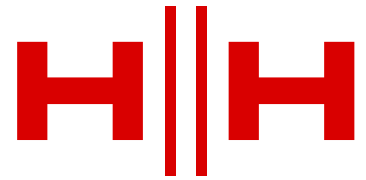


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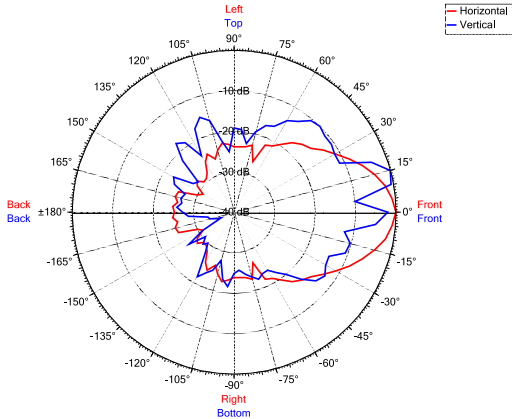
12" Two-Way Powered Loudspeaker

T E S S E N

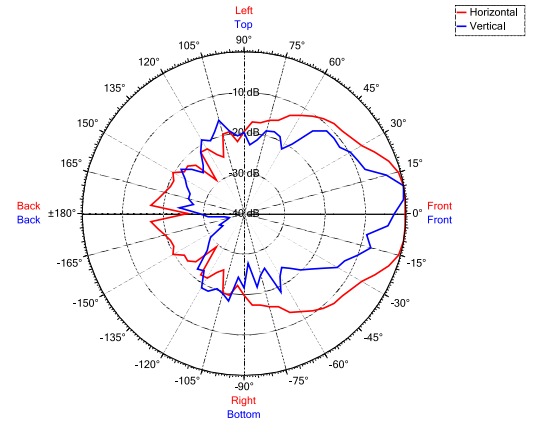


SPEC SHEET

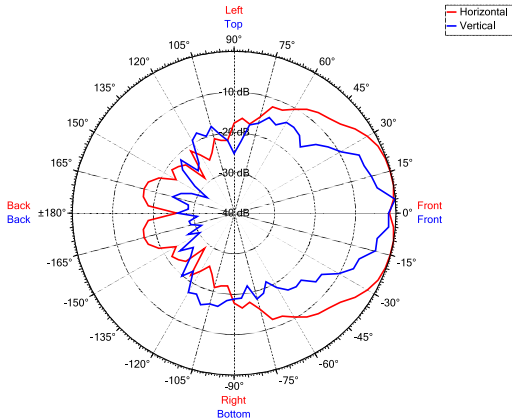
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 3150Hz (1/3rd Octave)



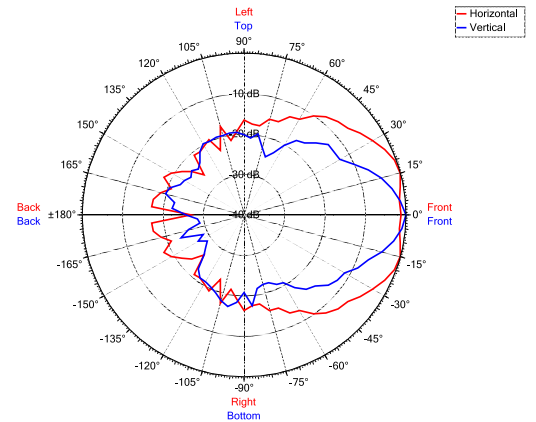
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 4000Hz (1/3rd Octave)



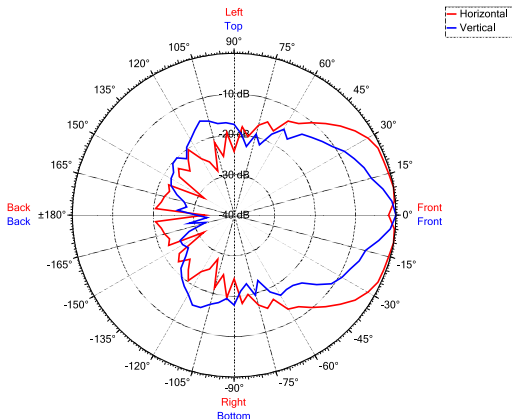
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 5000Hz (1/3rd Octave)



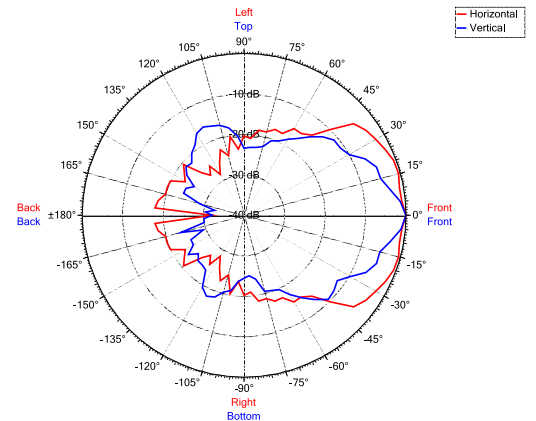
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 6300Hz (1/3rd Octave)



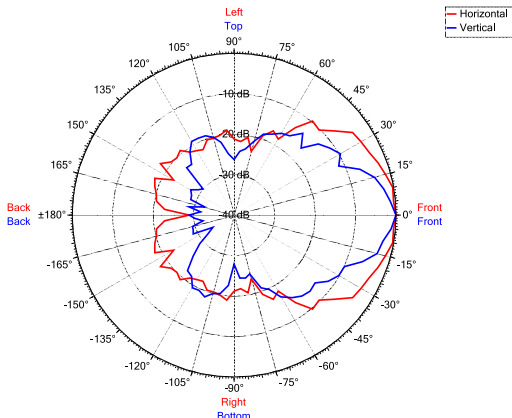
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 8000Hz (1/3rd Octave)



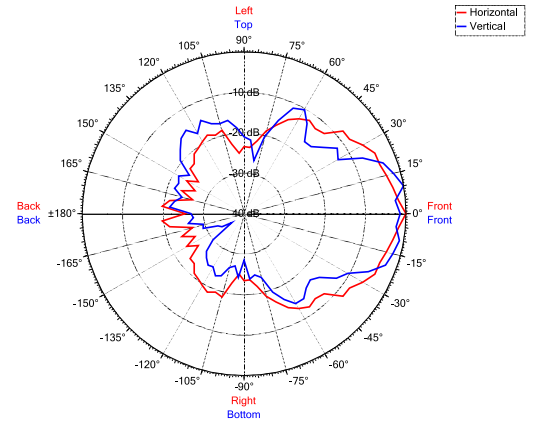
Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 10000Hz (1/3rd Octave)



Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 12500Hz (1/3rd Octave)



Data Show: TNX-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 16000Hz (1/3rd Octave)

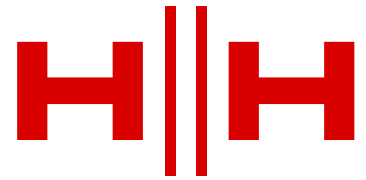


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TNX-1201

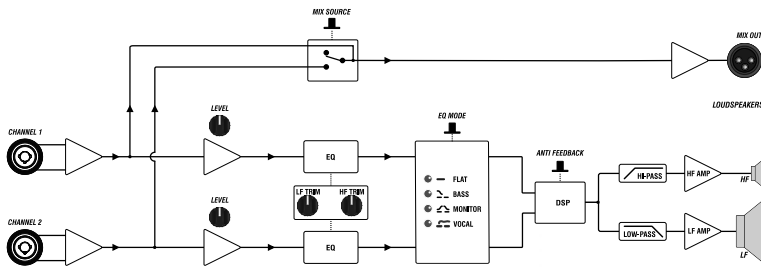
12" Two-Way Powered Loudspeaker

T E S S E N

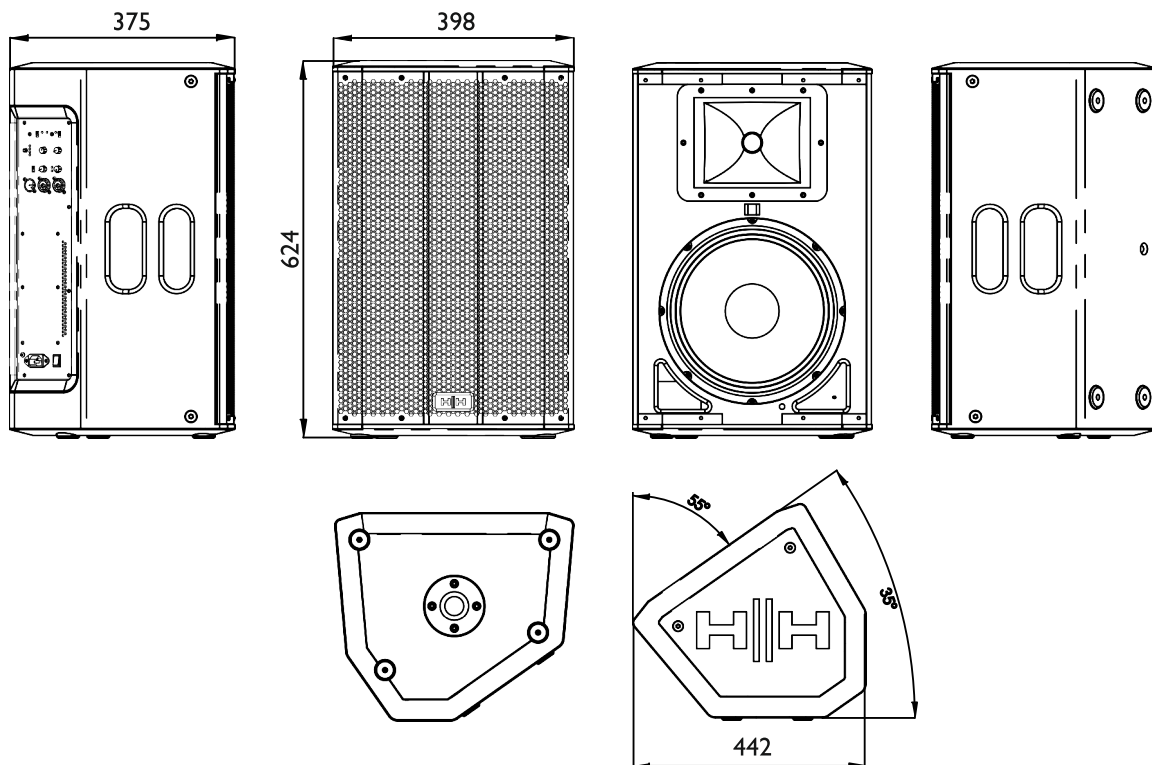


SPEC SHEET

BLOCK DIAGRAM



DIMENSIONS (in mm)



For additional polar plots, EASE modelling files, 2D and 3D drawings files, please check www.hhelectronics.com



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