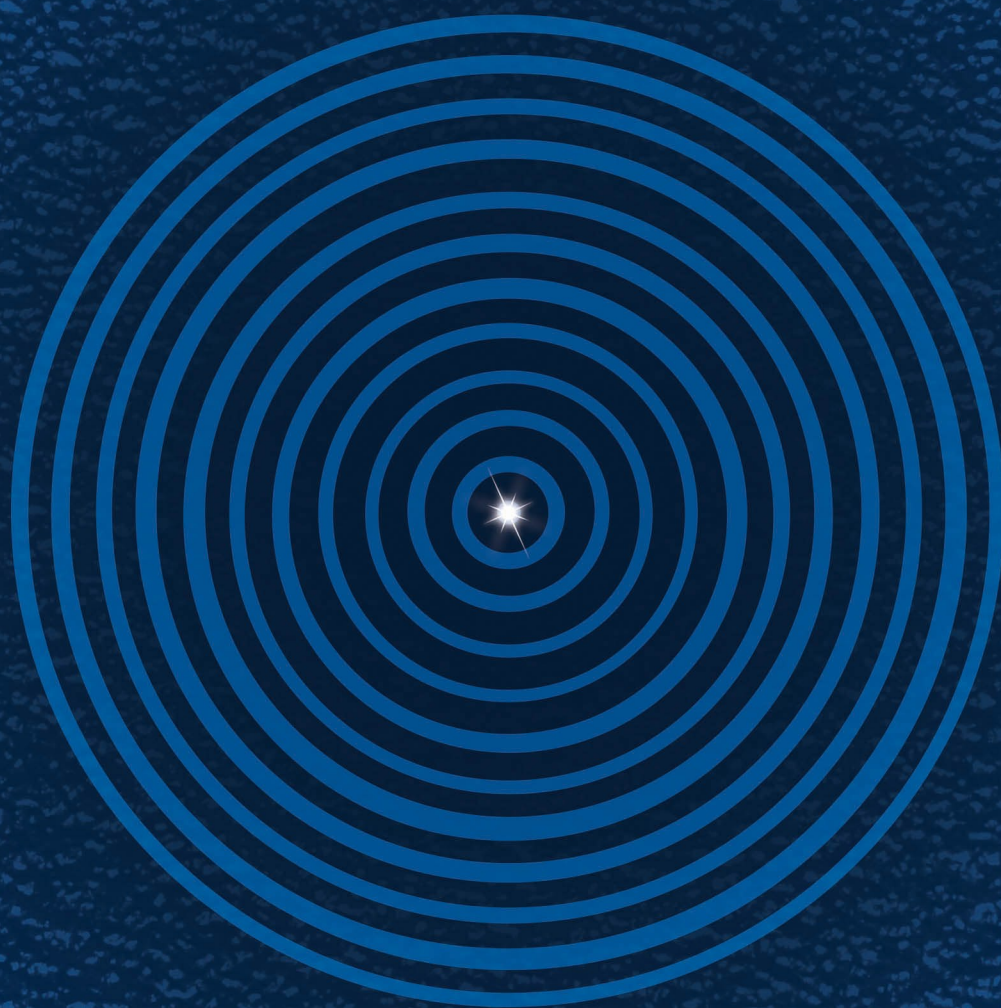


PROLINE



POINT SOURCE SERIES

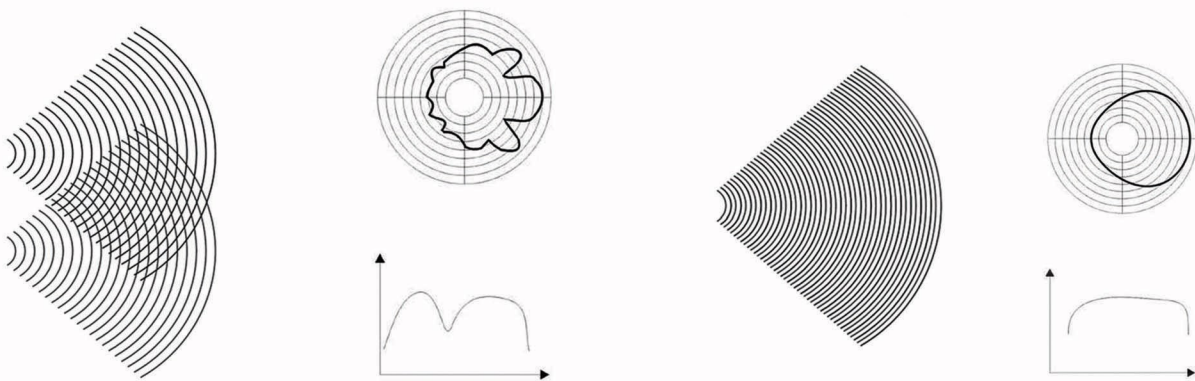


Point Source Coaxial Technology

Classical arrangement of 2-Way loudspeakers consists of separate transducers positioned on a common front baffle, displaced either vertically or horizontally. However, in the typical crossover frequency region, due to the difference in path lengths between the listening point and the two separate sources, spatial frequency summation cannot be homogeneous.

Point Source Coaxial Technology with concentrically aligned woofer and tweeter eliminates this problem and creates a perfectly homogeneous acoustic field horizontally as well as vertically.

The advantages of the point source coaxial approach include: total wave front coherency at all frequencies and dispersion characteristics that are free of polar lobing, typical of traditional horn and woofer combinations. The net result is a natural, studio monitor like sound quality and uniform frequency coverage of the listeners area.



Conventional design: 2 horn 3 way system

Pulz design: Point Source System

CX5



FEATURES

- High performance coaxial driver
- Wavefront coherency at all frequencies
- 90° conical dispersion
- Full range of mounting options
- High SPL

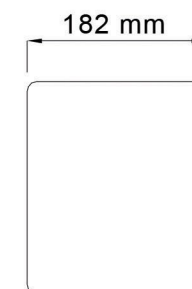
The Pulz CX5 loudspeaker is a versatile system that is designed for high quality distributed sound reinforcement or compact front fill to be used with our larger FOH (Front of House) speaker systems. Using true point source coaxial technology, the CX5 features advanced components in flexible, multipurpose format that is suitable for fixed installations. The CX5 is a passive 2-Way loudspeaker containing a 1" voice coil compression driver assembled in a coaxial configuration along with a 5" Low-Mid frequency driver providing a conical 90° dispersion.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

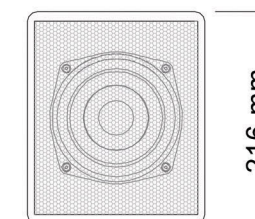
Retail outlets, front fill for installed PA , AV theatre, high quality audio for classrooms etc. are the application field of the CX5. The ultra compact design and the great additional options for the CX5, provide this speaker a simple and easy installation. As a front fill for main FOH systems, the CX5 is meant for vocal and music applications. Combined with Pulz subwoofers, the CX5 allows to create compact and powerful systems suitable for all indoor and outdoor configurations.

SPECIFICATIONS:

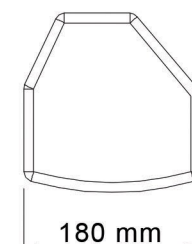
Frequency Response:	100Hz to 20kHz
Power Rating:	150W AES, 600W peak
Sensitivity:	92.5dB @ 1W/1m
Maximum SPL:	114dB continuous, 120dB peak @ 1m
Nominal Impedance:	8Ω
Low Frequency Driver:	5" (125 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1" (25 mm) voice coil compression driver mounted coaxially
Dispersion:	90° conical
Recommended Filter:	30Hz 18dB/octave Butterworth High pass filter; 20kHz 12dB/octave Butterworth Low pass filter
Crossover:	4kHz passive, Air core inductors, MKP capacitors, Wirewound resistors
Finish:	Black impact resistant structured coating
Connector:	2 X Speakon
Enclosure:	Closed type, 15mm Birch Plywood
Grill:	Acoustically transparent perforated steel with foam backing
Dimensions (H X W X D):	216 mm X 180 mm X 182 mm (8.5" X 7" X 7.2")
Net Weight:	5 kg (11 lb)
Packed Weight:	6 kg (13 lb)



SIDE VIEW

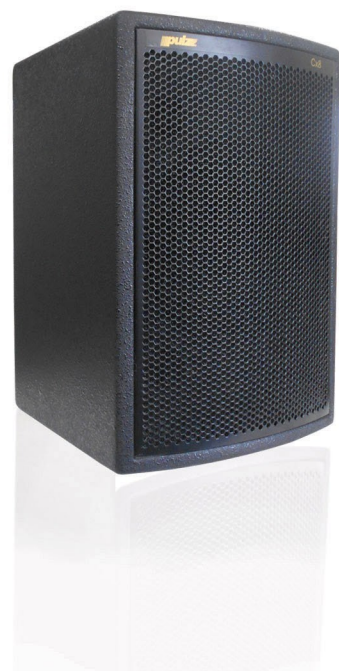


FRONT VIEW



TOP VIEW

CX8



FEATURES

- High performance coaxial driver
- Wavefront coherency at all frequencies
- 90° conical dispersion
- Full range of mounting options
- High SPL

The Pulz CX8 loudspeaker is a versatile system that is designed for high quality distributed sound reinforcement. Using true point source coaxial technology, the CX8 features advanced components in flexible, multipurpose format that is suitable for either touring or fixed installations. The CX8 is a passive 2-Way loudspeaker containing a 1" voice coil compression driver assembled in a coaxial configuration along with a 8" Low-Mid frequency driver providing a 90° conical dispersion.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

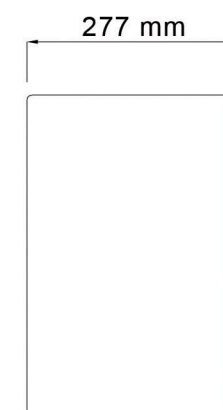
The new MVC (Multi Vent Convection) technology, allows the CX8 to handle its maximum power capacity in any working position.

Medium power touring, installed PA for clubs, A/V theatre, high quality stage monitoring etc. are the application field of the CX8. The design and the great additional options for the CX8, provide this speaker a simple and easy installation. One can put it on the floor, install it on a stand, or fly it. As a main FOH (Front of House) the CX8 is meant for vocal applications, stage monitor or distributed sound. Combined with Pulz subwoofers, the CX8 allows to create compact and powerful systems suitable for all indoor and outdoor configurations.

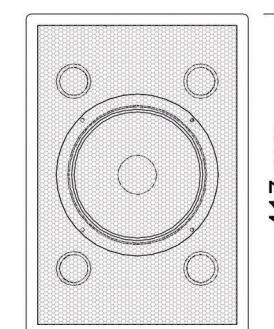
The enclosure comprises a 45° side for stage monitor applications and includes single 35 mm built-in stand fittings and two wood integrated handles.

SPECIFICATIONS:

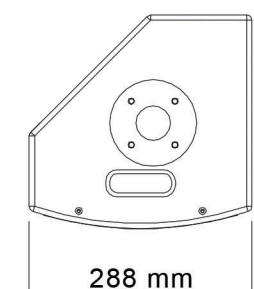
Frequency Response:	70Hz to 20kHz
Power Rating:	120W AES, 480W peak
Sensitivity:	93.8dB @ 1W/1m
Maximum SPL:	114.5dB continuous, 120.5dB peak @1m
Nominal Impedance:	8Ω
Low Frequency Driver:	8" (200 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1" (25 mm) voice coil compression driver mounted coaxially
Dispersion:	90° conical
Recommended Filter:	60Hz 18dB/octave Butterworth High pass filter; 20kHz 18dB/octave Butterworth Low pass filter
Crossover:	2.6kHz Passive, Air core inductors, MKP capacitors, Wirewound resistors
Finish:	Black impact resistant structured coating
Connector:	2 X Speakon
Enclosure:	Bass reflex type with MVC technology, 15 mm Birch Plywood
Grill:	Acoustically transparent perforated steel with foam backing
Dimensions (H X W X D):	417 mm X 288 mm X 277 mm (16.4" X 11.3" X 11")
Net Weight:	13 kg (29 lb)
Packed Weight:	14 kg (31 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

CX10



FEATURES

- High performance coaxial driver
- Wavefront coherency at all frequencies
- 90° conical dispersion
- Full range of mounting options
- High SPL

The Pulz CX10 loudspeaker is a versatile system that is designed for high quality distributed sound reinforcement. Using true point source coaxial technology, the CX10 features advanced components in flexible, multipurpose format that is suitable for either touring or fixed installations. The CX10 is a passive 2-Way loudspeaker containing a 1" voice coil compression driver assembled in a coaxial configuration along with a 10" Low-Mid frequency driver providing a 90° conical dispersion.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

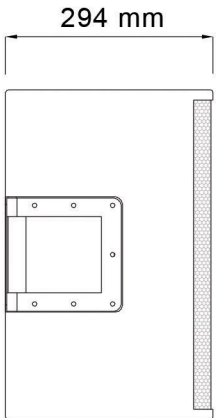
The new MVC (Multi Vent Convection) technology, allows the CX10 to handle its maximum power capacity in any working position.

Medium power touring, installed PA for clubs, A/V theatre, high quality stage monitoring etc. are the application field of the CX10. The design and the great additional options for the CX10, provide this speaker a simple and easy installation. One can put it on the floor, install it on a stand, or fly it. As a main FOH (Front of House) the CX10 is meant for vocal applications, stage monitor or distributed sound. Combined with Pulz subwoofers, the CX10 allows to create compact and powerful systems suitable for all indoor and outdoor configurations.

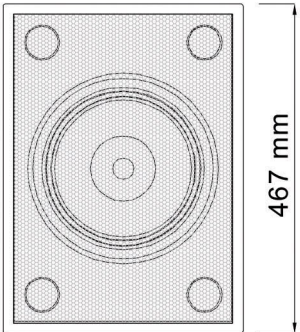
The enclosure comprises a 45° side for stage monitor applications and includes two 35 mm built-in stand fittings as well as a steel bar handle and two wood integrated handles.

SPECIFICATIONS:

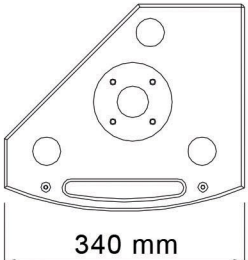
Frequency Response:	60Hz to 20kHz
Power Rating:	150W AES, 600W peak
Sensitivity:	96.7dB @ 1W/1m
Maximum SPL:	118dB continuous, 124dB peak @ 1m
Nominal Impedance:	8Ω
Low Frequency Driver:	10" (250 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1" (25 mm) voice coil compression driver mounted coaxially
Dispersion:	90° conical
Recommended Filter:	50Hz 18dB/octave Butterworth High pass filter; 20kHz 18dB/octave Butterworth Low pass filter
Crossover:	2.5kHz Passive, Air core inductors, MKP capacitors, Wirewound resistors
Finish:	Black impact resistant structured coating
Connector:	2 X Speakon
Enclosure:	Bass reflex type with MVC technology, 15 mm Birch Plywood
Grill:	Acoustically transparent perforated steel with foam backing
Dimensions (H X W X D):	467 mm X 340 mm X 294 mm (18.4" X 13.4" X 11.5")
Net Weight:	14 kg (31 lb)
Packed Weight:	16 kg (35 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

CX12



FEATURES

- High performance coaxial driver
- Wavefront coherency at all frequencies
- 90° conical dispersion
- Full range of mounting options
- High SPL

The Pulz CX12 loudspeaker is a versatile system that is designed for high quality distributed sound reinforcement or high performance stage monitoring. Using true point source coaxial technology, the CX12 features advanced components in flexible, multipurpose format that is suitable for either touring or fixed installations. The CX12 is a passive 2-Way loudspeaker containing a 1.5" voice coil compression driver assembled in a coaxial configuration along with a 12" low frequency driver providing a 90° conical dispersion.

Further advantages of the coaxial approach include: single point source radiation, total wave front coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

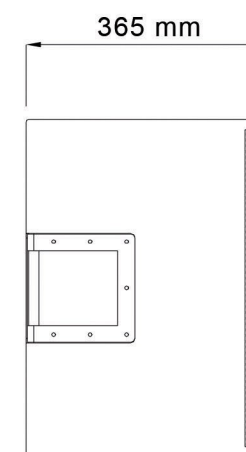
The new MVC (Multi Vent Convection) technology, allows the CX12 to handle its maximum power capacity in any working position.

High power touring, installed PA for clubs, A/V theatre, high quality and high SPL stage monitoring etc. are the application field of the CX12. The design and the great additional options for the CX12, provides this speaker a simple and easy installation. One can put it on the floor, install it on a stand, or fly it. As a main FOH (Front of House) the CX12 is meant for vocal applications, stage monitor or distributed sound. Combined with Pulz subwoofers, the CX12 allows to create compact and powerful systems suitable for all indoor and outdoor configurations.

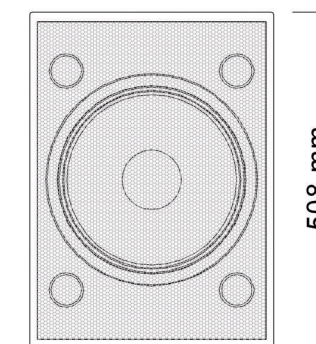
The enclosure comprises a 45° side for stage monitor applications and includes two 35 mm built-in stand fittings as well as a steel bar handle and two wood integrated handles.

SPECIFICATIONS:

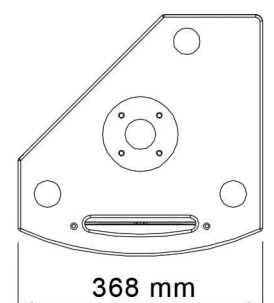
Frequency Response:	70Hz to 20kHz
Power Rating:	400W AES, 1600W peak
Sensitivity:	98dB @ 1W/1m
Maximum SPL:	124dB continuous, 130dB peak @ 1m
Nominal Impedance:	8Ω
Low Frequency Driver:	12" (308 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1.5" (38 mm) voice coil compression driver mounted coaxially
Dispersion:	90° conical
Recommended Fliter:	60Hz 18dB/octave Butterworth High pass filter; 20kHz 18dB/octave Butterworth Low pass filter
Crossover:	2kHz Passive, low loss air core inductors and MKP capacitors
Finish:	Black impact resistant structured coating
Connector:	2 X Speakon
Enclosure:	Bass reflex type with MVC technology, 15 mm Birch Plywood
Grill:	Acoustically transparent perforated steel with foam backing
Dimensions (H X W X D):	508 mm X 368 mm X 365 mm (20" X 14.5" X 14.3")
Net Weight:	22 kg (48 lb)
Packed Weight:	24.5 kg (54 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

CX15



FEATURES

- High performance coaxial driver
- Wavefront coherency at all frequencies
- 90° conical dispersion
- Full range of mounting options
- High SPL

The Pulz CX15 loudspeaker is a versatile system that is designed for high quality distributed sound reinforcement or high performance stage monitoring. Using true point source coaxial technology, the CX15 features advanced components in flexible, multipurpose format that is suitable for either touring or fixed installations. The CX15 is a passive 2-Way loudspeaker containing a 1.75" voice coil compression driver assembled in a coaxial configuration along with a 15" low frequency driver providing a 90° conical dispersion.

Further advantages of the coaxial approach include: single point source radiation, total wavefront coherency at all frequencies and superimposed LF/HF dispersion characteristics that are free of polar lobing effects typical of traditional horn and woofer combinations. The net result is natural, studio monitor level sound quality that is ideal for proximity use.

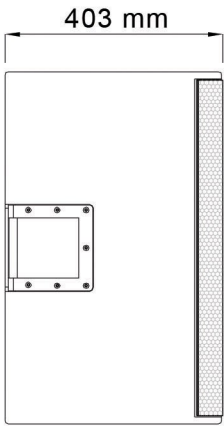
The new MVC (Multi Vent Convection) technology, allows the CX15 to handle its maximum power capacity in any working position.

High power touring, installed PA for clubs, A/V theatre, high quality and high SPL stage monitoring etc. are the application field of the CX15. The design and the great additional options for the CX15, provide this speaker a simple and easy installation. One can put it on the floor, install it on a stand, or fly it. As a main FOH (Front of House) the CX15 is meant for vocal applications, stage monitor or distributed sound. Combined with Pulz subwoofers, the CX15 allows to create compact and powerful systems suitable for all indoor and outdoor configurations.

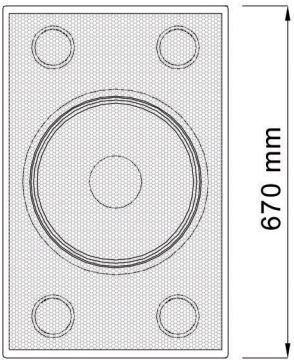
The enclosure comprises a 45° side for stage monitor applications and includes two 35 mm built-in stand fittings as well as a steel bar handle and two wood integrated handles.

SPECIFICATIONS:

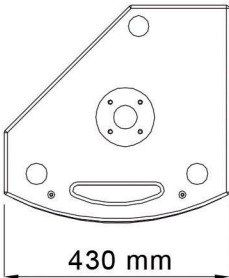
Frequency Response:	65Hz to 20kHz
Power Rating:	500W AES, 2000W peak
Sensitivity:	98dB @ 1W/1m
Maximum SPL:	125dB continuous, 131dB peak @1m
Nominal Impedance:	8Ω
Low Frequency Driver:	15" (380 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1.75" (44 mm) voice coil compression driver mounted coaxially
Dispersion:	90° conical
Recommended Fliter:	45Hz 18dB/octave Butterworth High pass filter; 20kHz 12dB/octave Butterworth Low pass filter
Crossover:	1.3kHz Passive, low loss air core inductors and MKP capacitors
Finish:	Black impact resistant structured coating
Connector:	2 X Speakon
Enclosure:	Bass reflex type with MVC technology, 15 mm Birch Plywood
Grill:	Acoustically transparent perforated steel with foam backing
Dimensions (H X W X D):	670 mm X 430 mm X 403 mm (26.4" X 17" X 16")
Net Weight:	31 kg (68 lb)
Packed Weight:	34 kg (75 lb)



SIDE VIEW

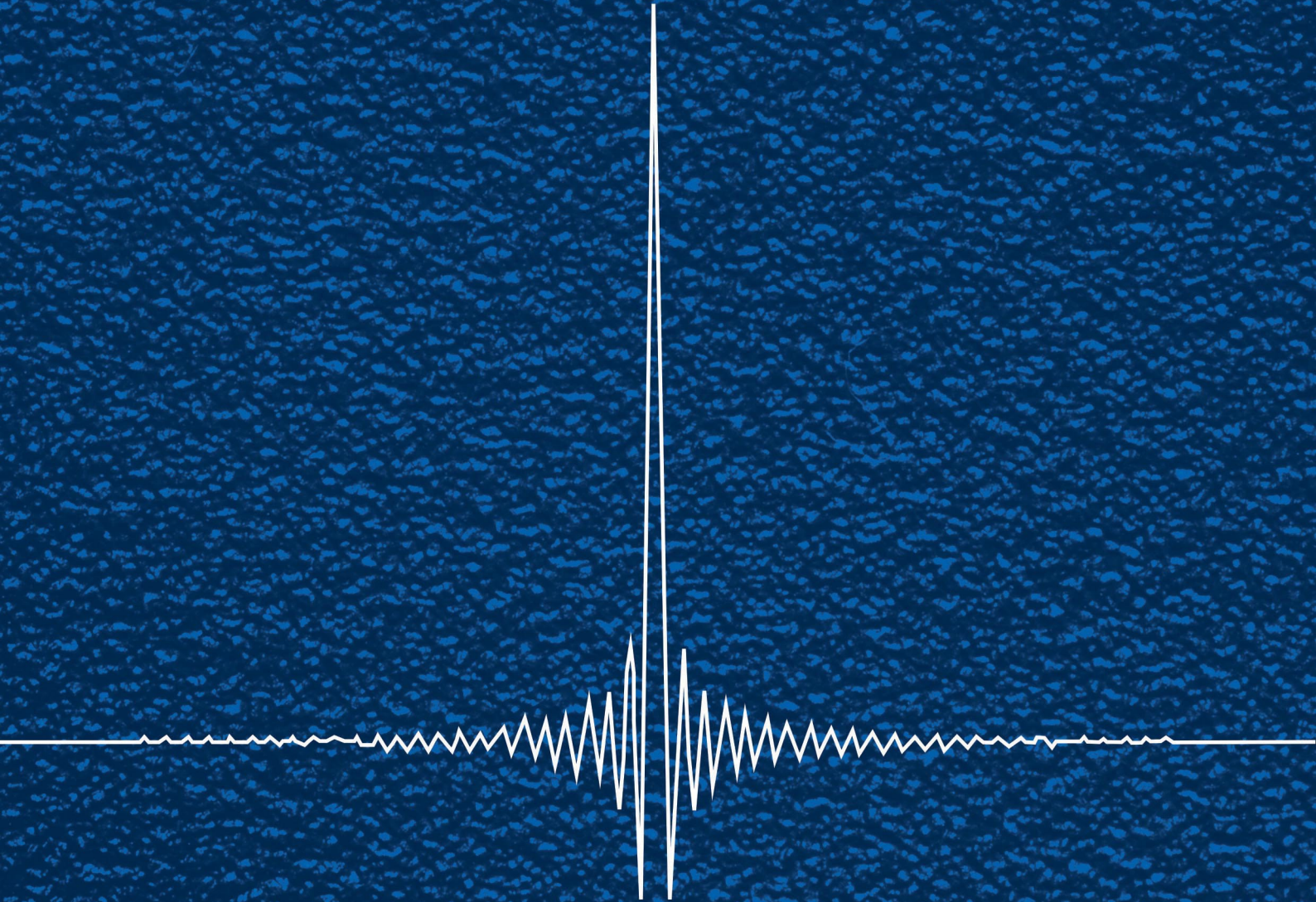


FRONT VIEW



TOP VIEW

sound matters



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Pulz reserves the right to make changes in specifications without prior notice.