

NTX210L

2-Way Self-Powered Loudspeaker

- ▶ Array self-detection via onboard infrared sensors and accelerometers for near-instant optimization that cuts down on setup and tuning time.
- ▶ Comprehensive software that delivers system prediction, control and monitoring from any location in the venue.
- ▶ Integrated Dante™ networking (with loop-thru) including Analog redundancy capability.

OVERVIEW

Building on the Radius line of loudspeakers, NTX Series aims to deliver a high performance solution while cutting down long set up times. NTX Series couples unique and intelligent features with EAW's signature acoustical design to deliver solutions for rental firms, production companies, and system integrators. The NTX articulated array features OptiLogic, providing automatic array self-detection and instant optimization including air loss compensation and more. Resolution 2™ software provides system optimization from anywhere in the venue, plus intuitive room design and prediction in a single, comprehensive application. With the proven sonic performance of EAW's acoustic design and DSP mastery plus full Dante integration across the line, NTX Series delivers an intelligent and flexible system to fit any budget.



NTXseries

TECHNOLOGIES



Beamwidth Matched Crossovers Introduced over a decade ago for our MK series loudspeakers, EAW Engineers use carefully-designed HF horns and crossovers to eliminate polar irregularities through the crossover point.



Focusing™ Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn "honk" and splashiness, this makes the loudspeaker sound like a studio monitor instead of a "PA" speaker.



DynO™ Dynamic Optimization actively tracks input spectrum and power delivery, continually wicking maximizing output and fidelity at any drive level.



Phase Aligned LF™ Tuned spacing of LF components to extend pattern control without the need for enormous horns.



Symmetry of Sources™ Symmetrical arrangement of acoustic sources along a common axis for utmost consistency throughout the coverage pattern.



Dante
SPOKEN HERE

TECHNICAL SPECIFICATIONS

2-WAY SELF-POWERED LOUDSPEAKER 90° X 12°

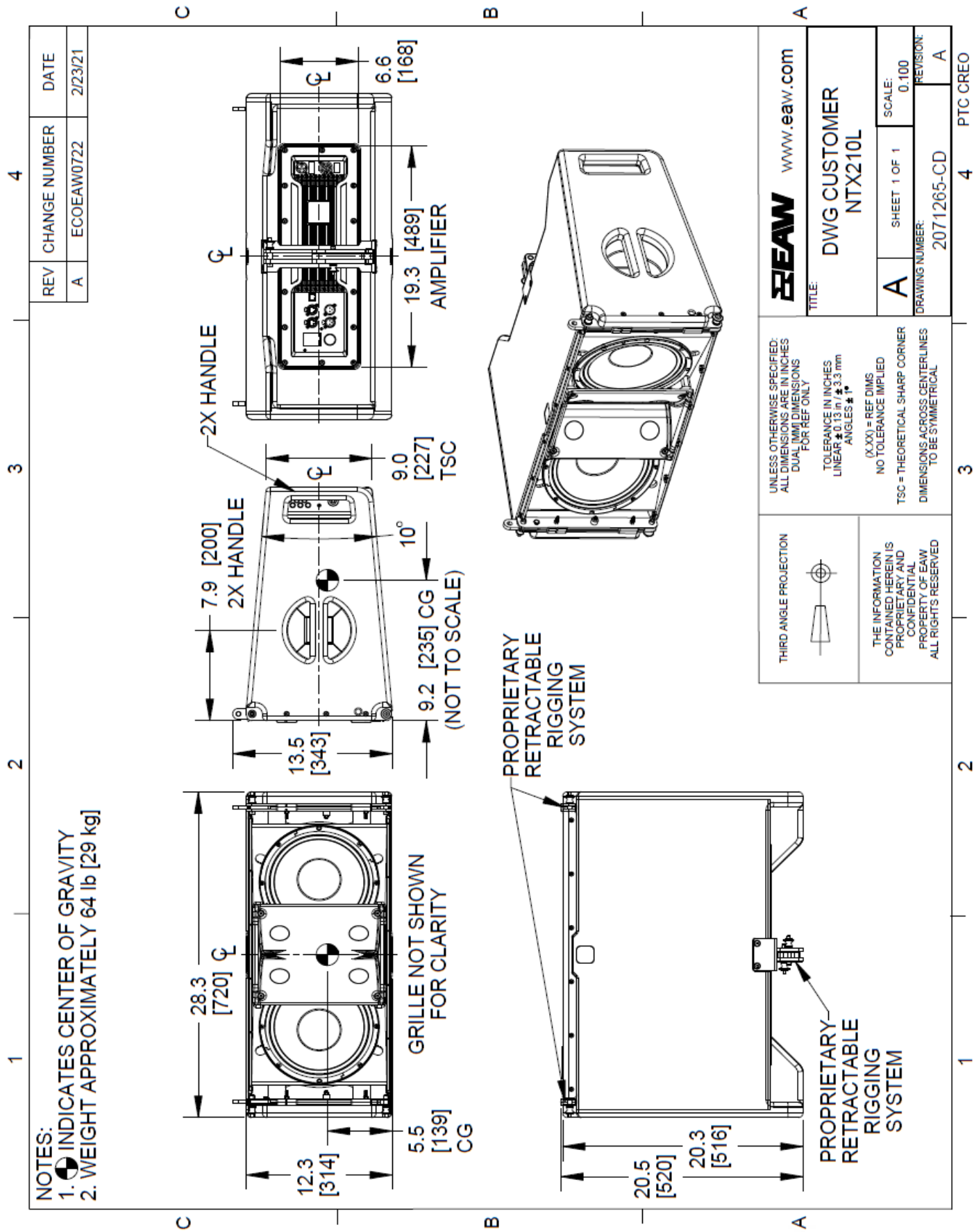
PERFORMANCE		
Calculated Axial Output Limit (whole space SPL)	Peak 140dB LF/HF (12dB Crest Factor)	
Operating Range	55Hz–18kHz	
Nominal Beamwidth	Horz: 90°	Vert: 12°

CONFIGURATION		
Subsystem	Transducer	Loading
LF	2x10" cone, 2.5" VC	Vented
HF	1x1.4" exit, 3" VC compression drivers	Isophasic Wave Guide
Operating Mode		
	Amplifier Channels	External Signal Processing
Bi-amp	LF, HF	DSP w/EAW Focusing™ & DynO™

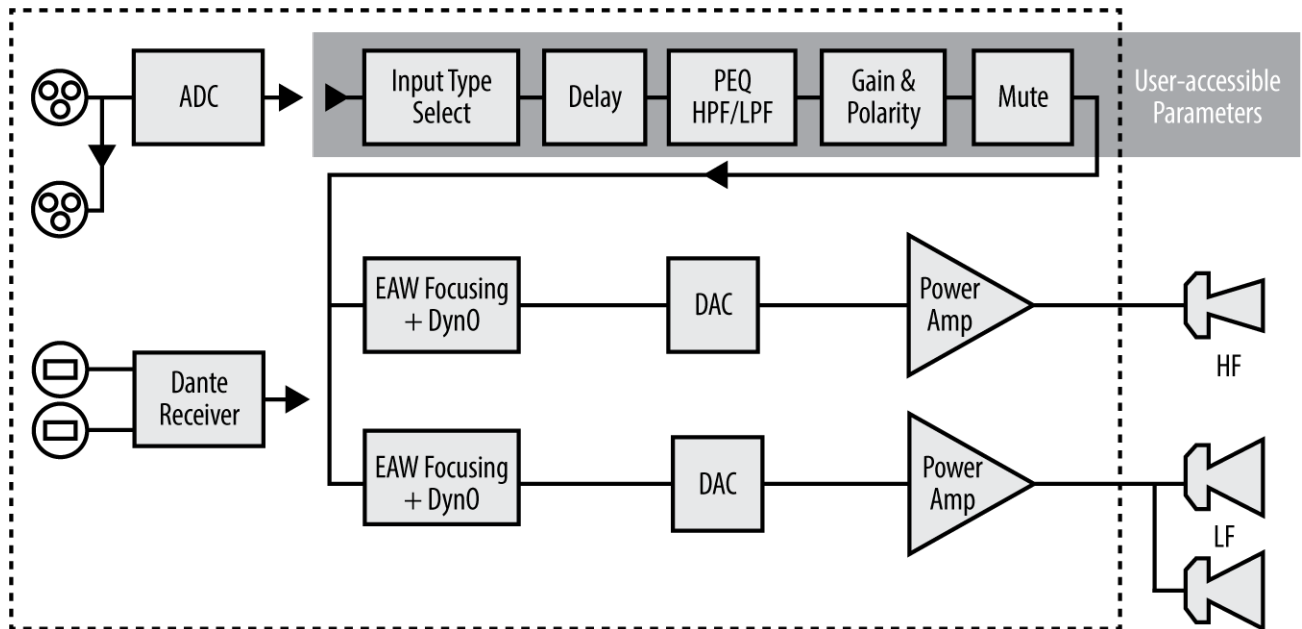
ELECTRICAL	
Input Type	Electronically Balanced
Max Input Level	21dBu
Impedance	20 kOhm (balanced)
Input Wiring	XLRF, Pin 1 chassis, pin 2 +, pin 3 – separate loop-thru XLRM (for analog signal only)
Input Selection	Analog, Dante
Amplifiers & Processing (LF/HF) Type	Modified Class D
Maximum Output	LF:1200W / HF: 400W
Driver Protection	Integral DSP limiting
AC Mains (nominal) Connector	Neutrik True1
Input	100 V TO 240 V
Frequency	50 Hz to 60 Hz
Power Consumption	Idle – 20W
	1/8th - 200W
	1/3rd - 300W
	Full - 550W
Controls/Communication Connections	Neutrik PowerCON TRUE1 TOP
Protocols	Ethernet/Dante
Software	EAW Resolution 2™

ORDERING DATA	
Part Numbers:	Black
NTX210L	2070747-90
Accessories	
NTX210L FLYBAR	2071074-90
NTX210L CART	2071075-90
NTX210L CART LID	2071076-90
NTX210L COVER	2071300
NTX RAINSHIELD-HORIZONTAL	2070971

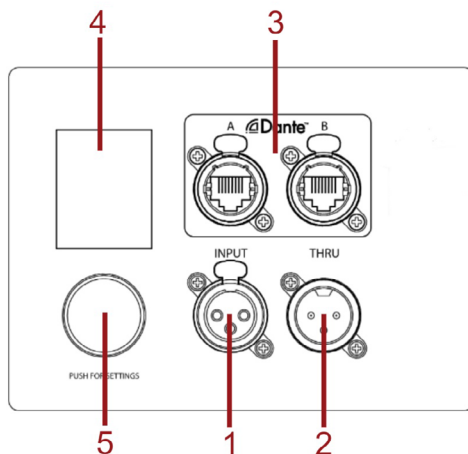
PHYSICAL	
Physical/Rigging	3-Point Integrated Rigging
Dimensions (H×W×D)	12.3 X 28.3 X 20.5in (314 X 720 X 520mm)
Weight	64lbs
Flyware	NTX210L KF210 FLYBAR



SIGNAL DIAGRAM



INPUT PANEL



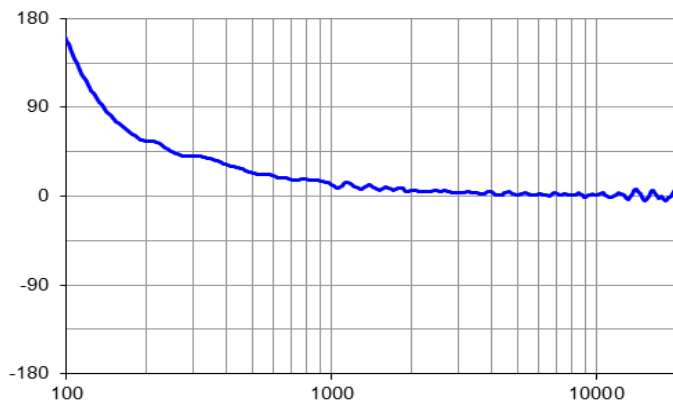
- 1 XLR Input
- 2 XLR Thru
- 3 Dante A / B
- 4 LCD UI Display
- 5 DSP Navigation / Edit Wheel

Legend

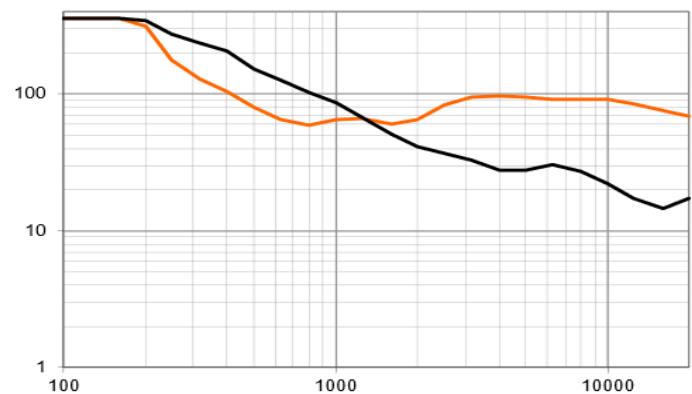
- HPF** High Pass Filter for crossover –or– Recommended High Pass Filter
- LPF** Low Pass Filter for crossover
- LF/MF/HF** Low Frequency / Mid Frequency / High Frequency
- AMP** User Supplied Power Amplifier –or– Integral Amplifier for NT products
- XVR** Passive LPFs, HPFs, and EQ integral to the loudspeaker
- EAW Focusing** Digital Signal Processor capable of implementing EAW Focusing
- EAW DynO** Digital Signal Processor capable of implementing EAW DynO processing

PERFORMANCE GRAPHS

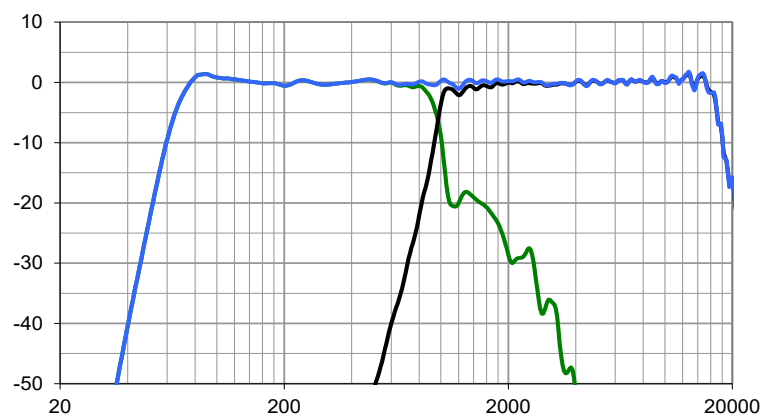
Phase Linearity



Beamwidth¹ ■=Horizontal ■=Vertical



Frequency Response² ■=LF Processed ■=HF Processed ■=Overall



1 Average angle for each 1/3 octave frequency band where, starting from the rear of the loudspeaker, the output first reaches -6 dB SPL referenced to 0 dB SPL as the highest level. This method means the output may drop below -6 dB SPL within the beamwidth angle.

2 Variation in acoustic output level with frequency for a constant input signal. Processed: normalized to 0 dB SPL. Unprocessed inputs: 2 V (4 ohm nominal impedance), 2.83 V (8ohm nominal impedance), or 4 V (16 ohm nominal impedance) referenced to a distance of 1 m.

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