# 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.

### *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 wicked 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

**EAW**
EASTERN ACOUSTIC WORKS

## TECHNICAL SPECIFICATIONS
### 2-WAY SELF-POWERED LOUDSPEAKER 90° X 12°
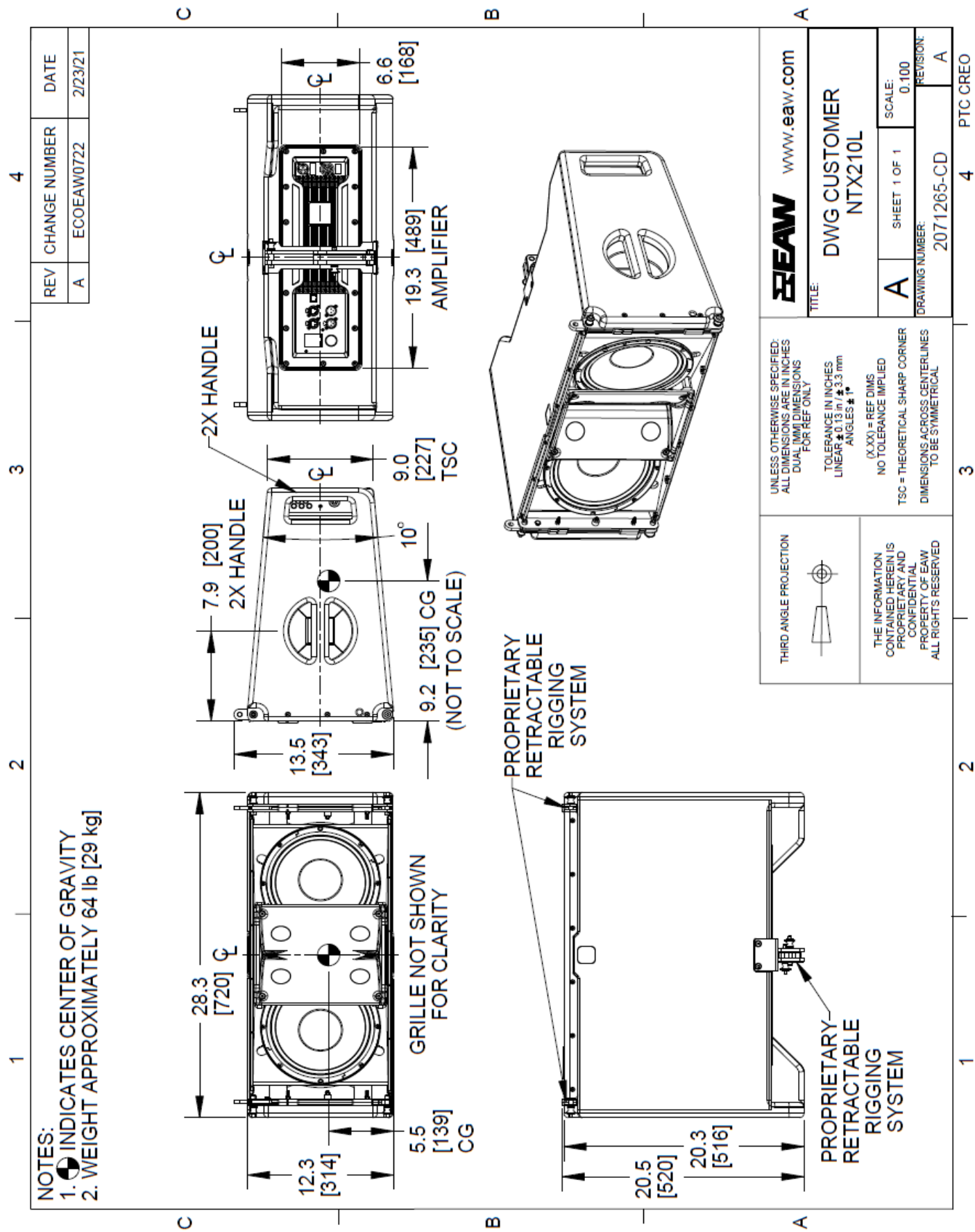
### PERFORMANCE

| | |
|---|---|
| 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**

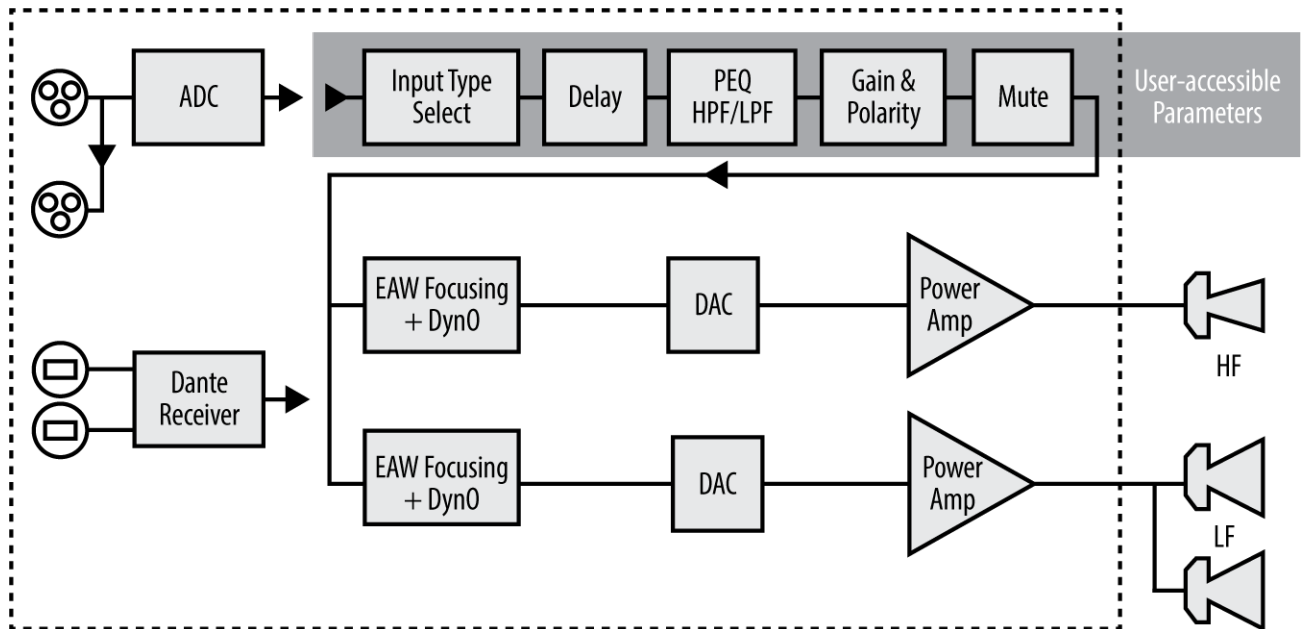| | Amplifier Channels | External Signal Processing |
|---|---|---|
| Bi-amp | LF, HF | DSP w/EAW Focusing™ & DynO™ |

### 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

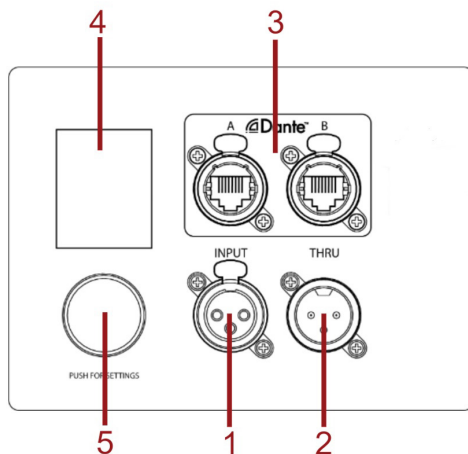| Part Numbers: | Black |
|---|---|
| NTX210L | 2070747-70 |
| **Accessories** | |
| NTX210L\|FLYBAR | 2071074-70 |
| NTX210L\|CART | 2071075-70 |
| NTX210L\|CART LID | 2071076-70 |
| NTX210L\|COVER | 2071300 |
| NTX\|RAINSHIELD-HORIZONTAL | 2070971 |

### 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\|FLYBAR |

NOTES:
1. ⊕ INDICATES CENTER OF GRAVITY
2. WEIGHT APPROXIMATELY 64 lb [29 kg]

28.3 [720] ℄

12.3 [314]

5.5 [139] CG

GRILLE NOT SHOWN FOR CLARITY

6.6 [168]

19.3 [489] AMPLIFIER

2X HANDLE

9.0 [227] TSC

7.9 [200] 2X HANDLE

10°

9.2 [235] CG (NOT TO SCALE)

13.5 [343]

PROPRIETARY RETRACTABLE RIGGING SYSTEM

20.5 [520]

20.3 [516]

PROPRIETARY RETRACTABLE RIGGING SYSTEM

| REV | CHANGE NUMBER | DATE |
|---|---|---|
| A | ECOEAW0722 | 2/23/21 |

www.eaw.com

TITLE:
DWG CUSTOMER
NTX210L

SHEET 1 OF 1

SCALE: 0.100

DRAWING NUMBER: 2071265-CD

REVISION: A

PTC CREO

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
DUAL [MM] DIMENSIONS
FOR REF ONLY

TOLERANCE IN INCHES
LINEAR ± 0.13 in / ± 3.3 mm
ANGLES ± 1°

(X.XX) = REF DIMS
NO TOLERANCE IMPLIED

TSC = THEORETICAL SHARP CORNER

DIMENSIONS ACROSS CENTERLINES
TO BE SYMMETRICAL

THIRD ANGLE PROJECTION

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## 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**
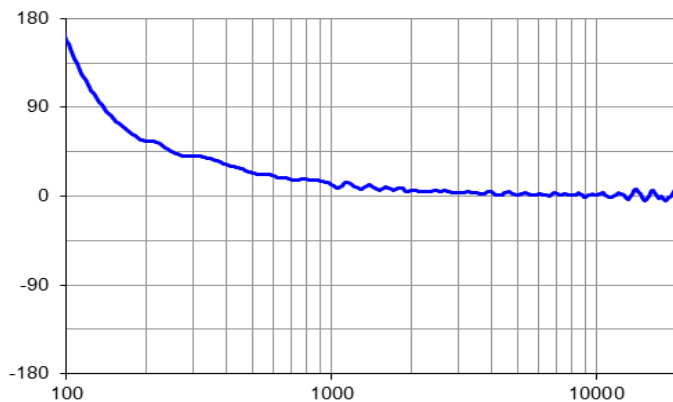
**Beamwidth**[1]  ■=Horizontal  ■=Vertical
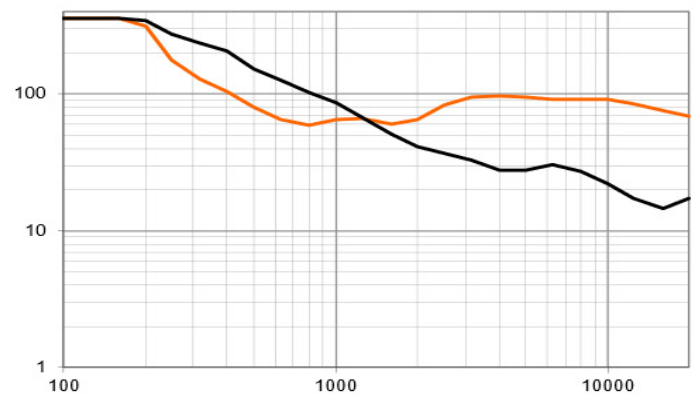
**Frequency Response**[2]  ■=LF Processed  ■=HF Processed  ■=Overall
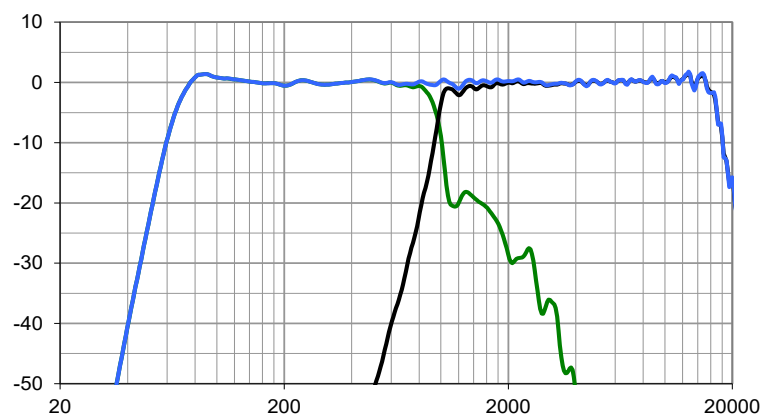
**1** Average angle for each 1/3 octave frequency band where, starting from the rear of the loudspeaker, the output first reaches -6 dB SPL referenced to 0 dB SPL as the highest level. This method means the output may drop below -6 dB SPL within the beamwidth angle.

**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.

**EAW.**
**EASTERN ACOUSTIC WORKS**

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