

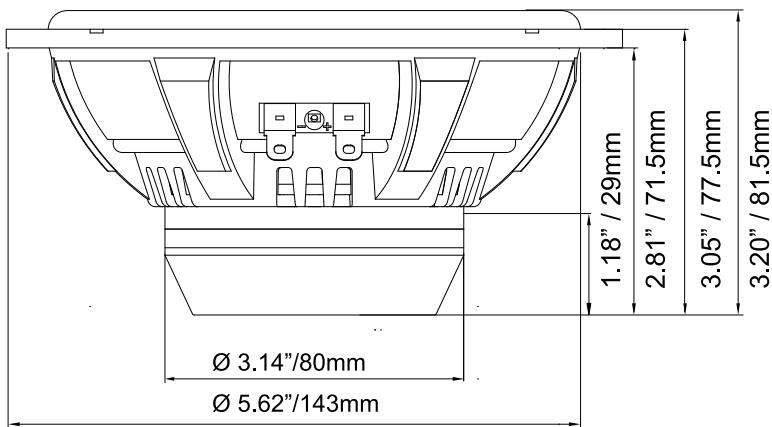
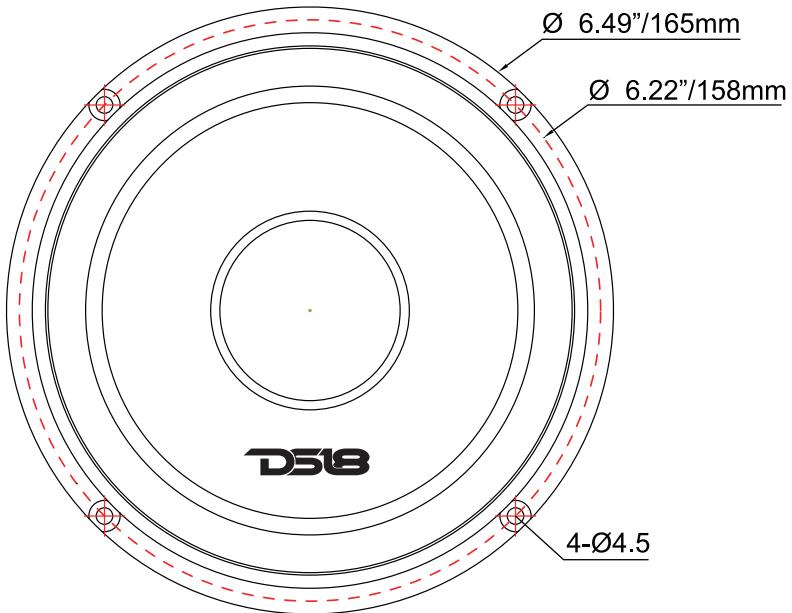
# DSB®

DXBN



OWNER'S MANUAL

# DX3NW WOOFER



**DX3 WOOFER**



### Specifications:

Nominal Diameter .....	6.5"
Nominal Impedance .....	4 OHMS
Peak Power Handling .....	400W
Program Power Handling .....	200W
AES Power Handling .....	100W
Sensitivity (1w/1m) .....	91dB
Frequency Response .....	50Hz-12KHz
Recommended Hi Pass Crossover .....	45 Hz

### Motor

Voice Coil Diameter.....	1.4"/35.5 mm
Voice Coil Former Material .....	Kapton
Winding Material .....	SV
Cone Material .....	Carbon Fiber + Resin
Surround Material.....	Rubber Edge
Basket Material .....	Aluminum
Magnet Material.....	Neodymium
Magnet Weight .....	3.1 oz

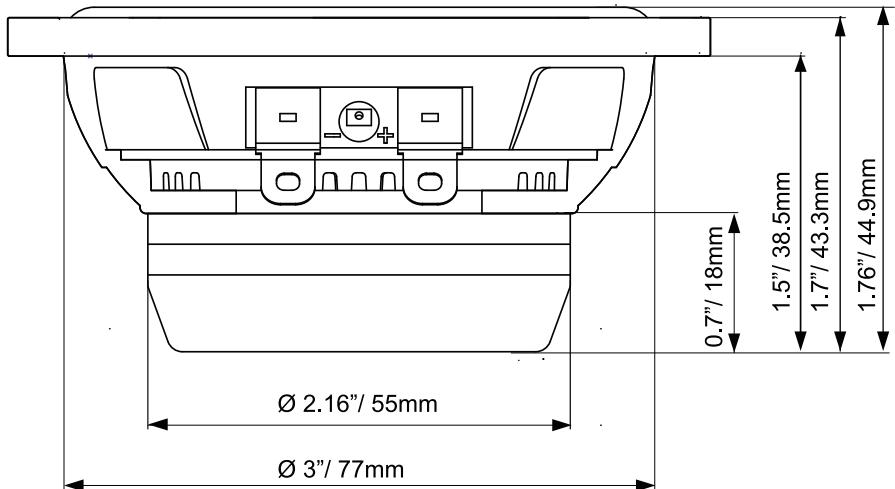
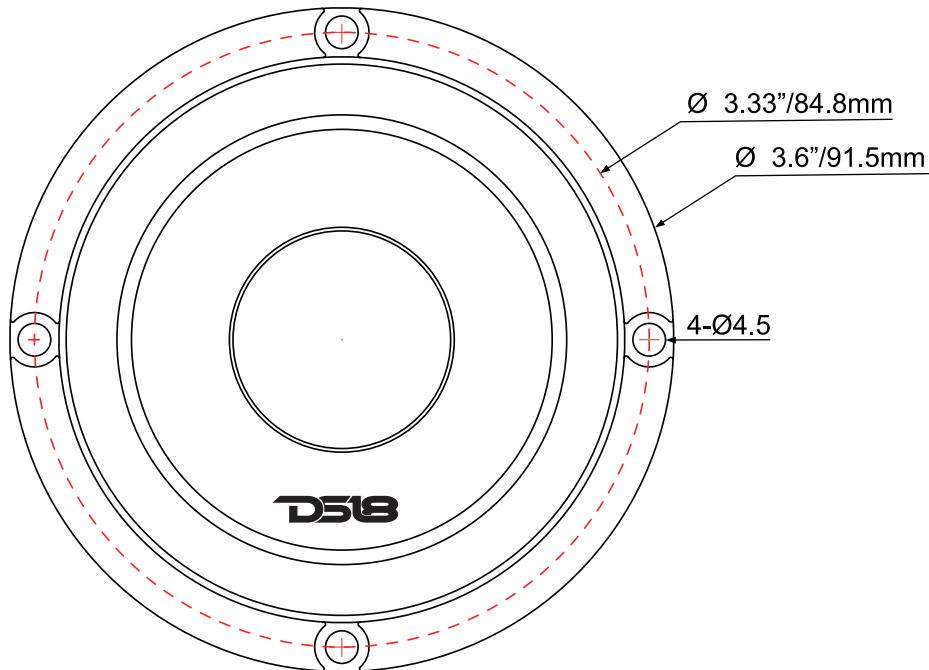
### Thiele & Small Parameters

Equivilant Volume .....	Vas .....	11.07L
Excursion.....	Xmax .....	5mm
Free Air Resonance .....	Fs .....	56Hz
Mechanical Factor .....	Qms .....	10.36
Electrical Factor .....	Qes.....	0.453
Total Factor.....	Qts.....	0.434
Moving Mass .....	Mms .....	19.58g
Compliance .....	Cms .....	0.408 mm/N
Force Factor .....	BL .....	6.836
Voice Coil Inductance .....	Le .....	0.1394 mH
Diaphragm Area .....	Sd .....	138.93cm <sup>2</sup>
Dc Resistance .....	Re.....	3.059 ohms
Mechanical Mass without Air.....	Mmd .....	18.1g

### Measurements

Overall Diameter .....	6.49"/165 mm
Front Mount Baffle Cutout .....	5.62"/143 mm
Mounting Depth.....	2.81"/71.5 mm
Overall Depth .....	3.20/81.5mm
Motor Diameter.....	3.14"/80mm

# DX3NM MIDRANGE



DX3 NUMERICAL RANGE



### Specifications:

Nominal Diameter .....	3.5"
Nominal Impedance .....	4 OHMS
Peak Power Handling .....	120W
Program Power Handling .....	60W
AES Power Handling .....	30W
Sensitivity (1w/1m) .....	90 dB
Frequency Response .....	80hz-20Khz
Recommended HI Pass Crossover .....	800 Hz

### Motor

Voice Coil Diameter.....	1"/25 mm
Voice Coil Former Material .....	TIL
Winding Material .....	CCAW
Cone Material .....	Carbon Fiber + Resin
Surround Material.....	Rubber Edge
Basket Material .....	Aluminum
Magnet Material.....	Neodymium
Magnet Weight .....	1.1 oz

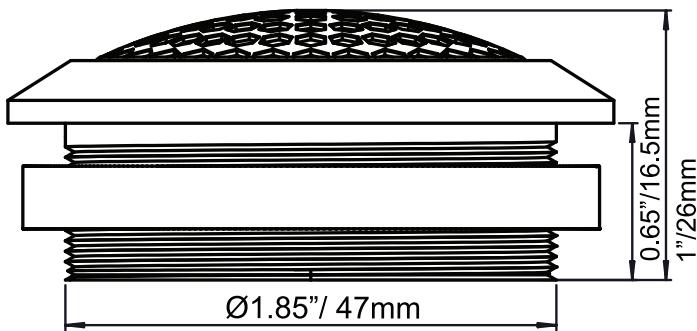
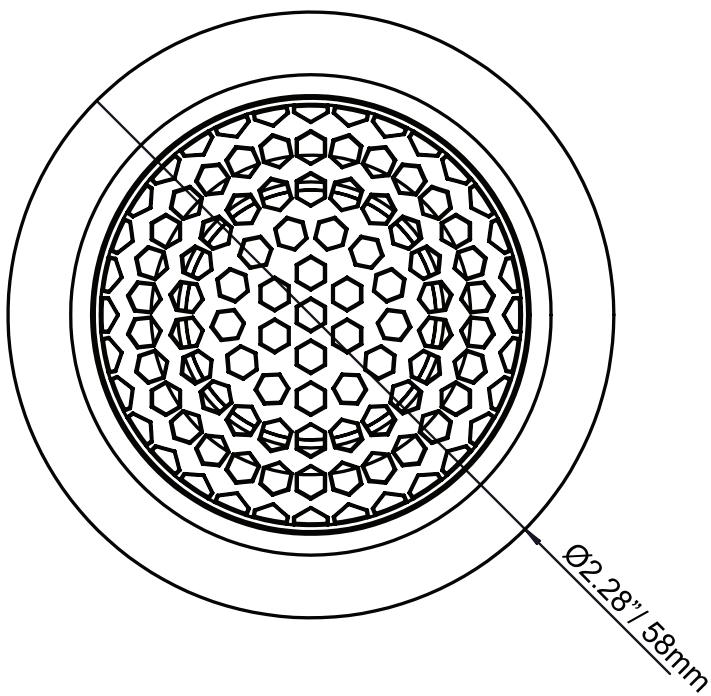
### Thiele & Small Parameters

Equivilant Volume .....	Vas .....	1.221L
Excursion.....	Xmax .....	2mm
Free Air Resonance .....	Fs .....	96.93Hz
Mechanical Factor .....	Qms .....	11.18
Electrical Factor .....	Qes .....	0.467
Total Factor.....	Qts .....	0.448
Moving Mass .....	Mms .....	3.956g
Compliance .....	Cms .....	0.681mm/N
Force Factor .....	BL .....	4.159
Voice Coil Inductance .....	Le .....	0.0706 mH
Diaphragm Area .....	Sd .....	34.212cm <sup>2</sup>
Dc Resistance .....	Re .....	3.355 ohms
Mechanical Mass without Air.....	Mmd .....	4g

### Measurements

Overall Diameter .....	3.6"/91.5 mm
Front Mount Baffle Cutout .....	3"/77 mm
Mounting Depth.....	1.5"/38.5 mm
Overall Depth .....	1.76"/44.9mm
Motor Diameter.....	2.16"/55mm

# DXBN TWEETER



[WWW.DS18.COM](http://WWW.DS18.COM)



DIXON TWEETER

### SPECIFICATIONS:

Nominal Diameter .....	1.18"
Nominal Impedance .....	4 ohms
Peak Power Handling .....	60 Watts
Program Power Handling .....	30 Watts
AES Power Handling.....	15 Watts
Sensitivity (1W/1W).....	95.2dB
Frequency Response .....	920Hz-20Khz
Recommended Hi Pass Crossover .....	3.8 KHz

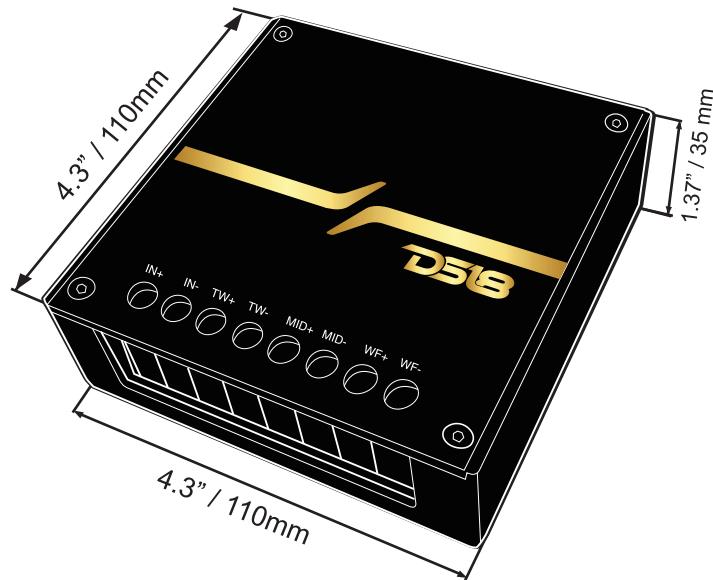
### MOTOR

Voice Coil Diameter.....	0.98"/25mm
Voice Coil Former Material .....	KVC
Winding Material .....	CCAW
Diaphragm Material.....	Titanium
Magnet Material.....	Neodymium
Body Material .....	Aluminum

### MEASUREMENT

Overall Diameter .....	2.28" / 58mm
Overall Depth .....	1"/26 mm
Front Mount Baffle Cutout .....	1.85" x 47 mm
Mounting Depth .....	0.65" / 16.5 mm

# DX3NC CROSSOVER



## SPECIFICATIONS:

Passive Crossover Ways .....	3 Ways
Frequency Crossover .....	800Hz (Mid) 3.8 KHz (Tw)
Power Handling .....	300 Watts
Cut Off Slope .....	6dB (Mid) 12dB (Tw) / Oct
Tweeter Attenuation.....	(+/-) 3dB

## FEATURES

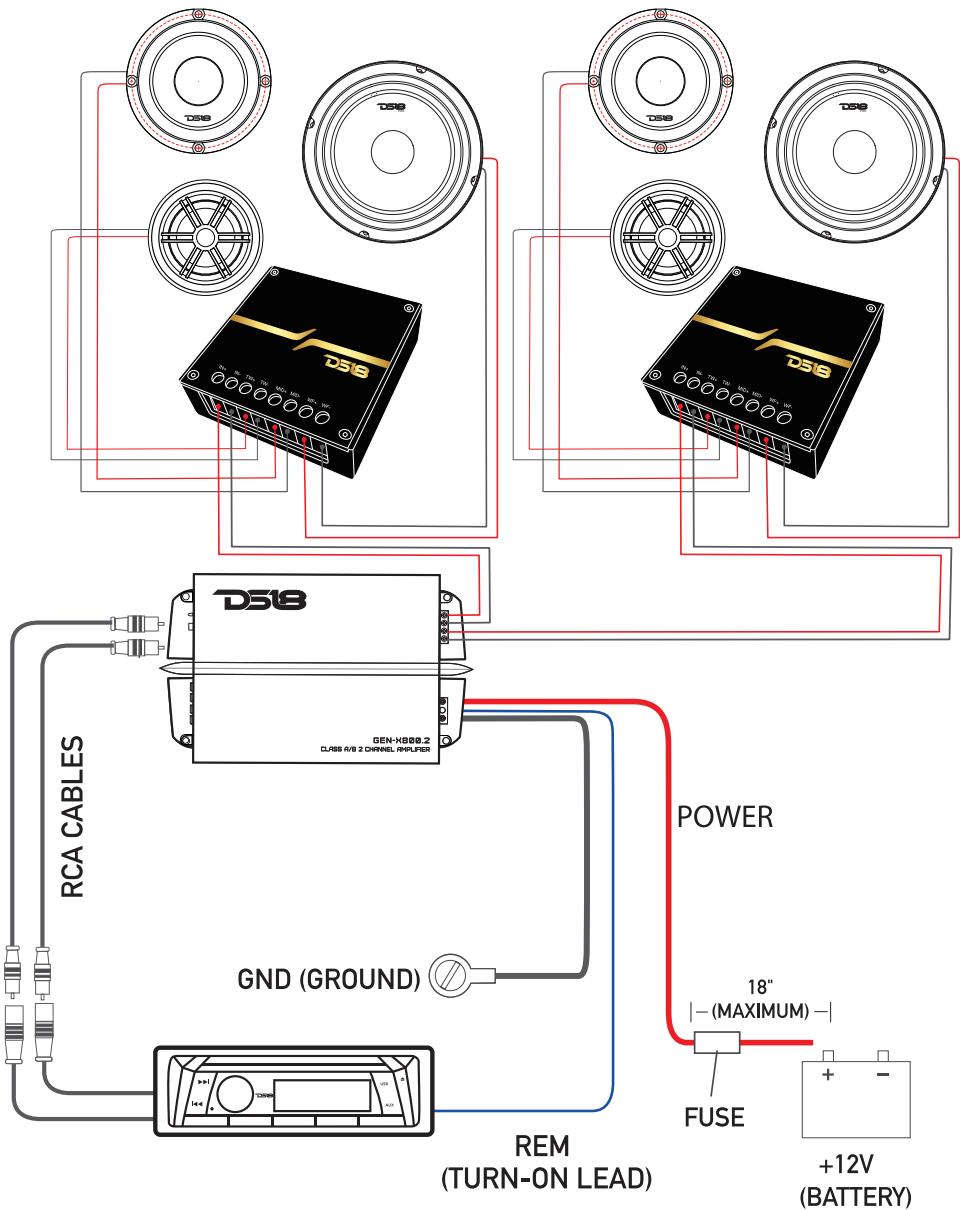
Capacitor Type .....	Metac Film
Coil Type .....	Inductor
Terminals Type .....	Screw Terminal
Housing Material .....	ABS
Adjustments.....	Tw Att Switch
Extra Features .....	Spk Phase Switch

## MEASUREMENT

Overall Lenth .....	4.3"/110 mm
Overall Depth .....	4.3"/110 mm
Overall Height.....	1.37"/35 mm



## DX3N INSTALLATION





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