SBX118F

18" Powered Arrayable Subwoofer

- Flyable with NTX210L
- Self configuration and array optimization
- Dante input and loop through
- Configurable from a back panel interface or through Resolution software
- Integrated power supply with universal voltage and PFC power supply





OVERVIEW

The SBX118F is a high output, mid-size subwoofer system designed to provide low frequency extension for NTX210L systems. SBX118F use of a 4-in voice coil ensures the best sonic performance, meeting expectations for venues of all sizes.

SBX products are designed around transducers normally found in more expensive solutions. With NTX210L and SBX118F, each module can wirelessly communicate with it's neighbor utilizing IR sensors on the top and bottom (both in the front and rear) of each cabinet. Arrayed elements are aware of their relative location and configuration, which greatly reduces set up time, tuning time, and opportunities for misidentification of cabinets while making DSP adjustments.

SBX118F's can be deployed in multiple configurations. They may be flown in the same array with NTX210L utlizing the supported flybar and transition bar, or simply flown with the NTX210L flybar in a subwoofer array. SBX118F supports ground stack operation of NTX with flybar locating pins providing safe operation at any splay angle, and includes pole mounts on it's top and side surfaces for maximum flexibility.



NTX210L & SBX118F shown in flown array



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SBX118F Module

TECHNICAL SPECIFICATIONS SINGLE 18" POWERED ARRAYABLE SUBWOOFER

PERFORMANCE			
Max SPL (Half Space)	135dB		
Operating Range	25Hz-120Hz		
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	2500W		
Driver Protection	Integral DSP limiting		
AC Mains (nominal) Connector	Neutrik PowerCON TRUE1 TOP		
Input	100 V TO 240 V		
Frequency	50 Hz to 60 Hz		
Power Consumption	ldle – 20W		
	1/8th - 200W		
	1/3rd - 300W		
	Full - 550W		
Controls/Communication Connections	2x Neutrik PowerCON TRUE1 TOP		
Protocols	Ethernet/Dante		
Software	EAW Resolution 2 [™]		

CONFIGURATION				
Subsystem	Transduc	er	Loading	
	1x18" con	ie, 4" VC	Vented	
Operating Mode				
	Amplifier	Channels	External Signal Processing	
Single Amp	VLF		DSP w/EAW DynO™	
ORDERING DATA				
Part Numbers:				
SBX118F Black			2072285-90	
Accessories				
SBX118F/SB818 CART			2072415-90	
SBX118F CASTER KIT			2070738	
SBX118F/SB818 COVER				
NTX RAINSHIELD-HORIZONTAL		ZONTAL	2070971	
M20 THREADED POLE			2047634	
KF210/NTX210L TRANSITION BAR		TION BAR	2072421-90	
PHYSICAL				
Dimensions	(H×W×D)	21.3 x 28.6 x 31.5in (540 x 726 x 800mm)		
Weight		130 lbs. (59.2kg)		

PERFORMANCE GRAPHS

Frequency Response¹ ■=60Hz Seting ■=100Hz Setting



1 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 (80hm nominal impedance), or 4 V (16 ohm nominal impedance) referenced to a distance of 1 m.



10000

1000

SBX118F Module





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 DynO processing

