RMS ACOUSTICS

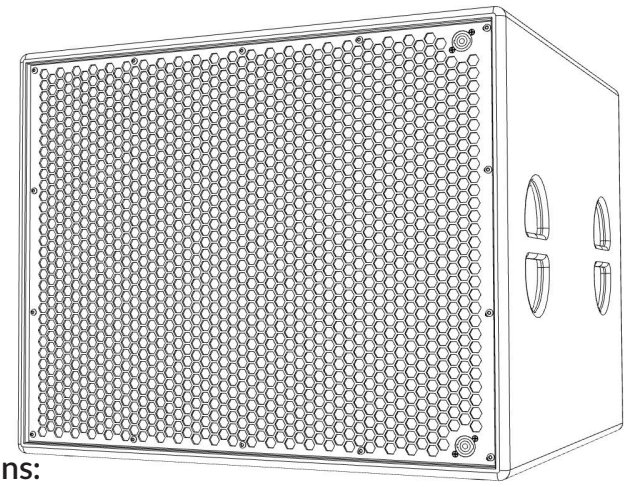
Model

M118

Subwoofer
High Power, Single 18”
Single Channel

Key Features:

- Heavy duty construction
- Low profile, space optimized design
- Laminar vent
- Integrated locking feet
- Designed with Cardioid Sub Arrays in mind



The M118 Subwoofer is a high efficiency, high power handling sub-bass loudspeaker with exceptionally high power handling.

The M118 provides incredibly high impact, high sensitivity, low thermal compression and very low distortion, even at the highest drive levels. These combined properties deliver the sonic qualities of precision and musicality.

The M118 features one long excursion, high power handling 18” cone loudspeaker mounted in a mechanically and acoustically optimized bass reflex cabinet with laminar venting. Port tur-bulence is virtually eliminated, and high drive level distortion is minimized via large, flared, symmetrical laminar venting.

The M118 enclosure was designed with live performances and mobile deployment in mind. It features ergonomic handles, heavy duty rubber feet with integrated stacking slots on top. A pole mount with M20 thread, and optional integrated fly rigging for the creation of traditional and cardioid flown subwoofer arrays. The compact profile allows the M118 to fit easily under stages, up tight to ceilings, and between standard framing for flush mount installations.

The enclosure is constructed of premium birch hardwood plywood and is coated with a weath-er and wear resistant urethane hybrid finish. Components in the front of the enclosure are protected by a steel grill made from perforated steel that is coated with heat cured epoxy powder and lined with acoustically transparent foam. All optional rigging components are weather and corrosion protected with a heat cured epoxy powder coated finish.

The M118 cabinet features an impact resistant polyurethane paint finish, and an integrated handle. The loudspeaker system is available as weatherized (-X) or in white (-W) or custom colors (-C). The weatherized option provides and IP54 rating.

The optimum processed amplification solution for the M118 is the RMS-Acoustics 4410K and the Linea Research 44M20 with propriety presets provided by RMS-Acoustics. All other Linea Research M series and C series amplifiers can also be used.

System Specifications:

SYSTEM:		
Frequency Range (-10dB)		30 Hz
Frequency Response (+/-3dB)	35 Hz - 120 kHz	
Sensitivity	LF	100 dB (2.9 V @ 100 Hz, 1w, 1m)
Maximum SPL	LF	131 dB Avg 137 dB Peak
Long Term Power Rating (IEC)		1000W IEC, 4000W Peak 100 Hr
Transducer Power Rating (AES)		1600W AES, 3200W Peak AES3-2012 (111 V, 8 Ohm)
Transducer Low Frequency Driver		1 High power, high excursion 18” subwoofer 1x 18” weather resistant, long excursion, 4” coil, die cast basket, vented magnet, Aluminum heat sink and demodulating rings
Nominal Impedance		8 Ohm
PHYSICAL:		
Input Connectors		Dual Neutrik NL4, Transducer wire pins 1, pins 2 thru, connectors paralleled Optional Phoenix Connector for M118i
Enclosure Materials		15 and 18mm Exterior Grade Birch Hardwood Ply 1.3mm layers
Grille Materials		12 Gauge Cold Rolled Steel with Heat Cured Epoxy Anti-Corrosion Coating, Acoustically transparent black foam backing
Finish		Black finish (Standard) Urethane Blend, Highly Impact and UV resistant textured fine grain coating. Additional Finishes available - See Options Below
IP Rating		54
Suspension Attachment		Order models M118F, M118i, M118iF or Optoinal M118FLYKIT for M118
Dimensions		27.5” w x 21.6” d x 28” h (699 mm x 549 mm x 711 mm)
Weight		105 Lbs (47.7 kg) Net
Ordering Options		M118, M118i, M118F, M118iF
Finish Options		-X1 (Weatherized), -W (White), -C (Custom Color) Upcharge applies
Optional Accessories	M118-CART1	Welded Aluminum Cart, Holds up to 3x M118
	WB-M118R2	Locking Wheel Board for M118R2. Requires R2 version with catch plates installed.
	Wheel Kit 4im	Rear Wheel Kit for M118/ M218
	M118FLYKIT	Flown Rigging Kit for M118, M218
	M118RF1	Flown Rigging Frame for M118F, only applicable to M118F, or Requires M118FLYKIT
	M118COVER2	2 High Travel Cover for M118
	M118COVER3	3 High Travel Cover for M118

Free field, semi anechoic conditions. To compare with half space measurements, add 6dB to maximum output specifications.

1. Full Space, 4pi conditions
2. Measured Maximum SPL, based on power compression observation of 3dB
3. IEC Shaped pink noise with 6dB Crest Factor
4. AES Standard AES2-2012, one decade pink noise with 6dB Crest factor within device’s applicable operating band, free air. Standard AES 2 hr rating are specific for low frequency transducers.

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