





MediaMatrix<sup>®</sup>

## SPECIFICATIONS

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### XR® 1212



Console style mixer/amp, 12 channels with XLR mic inputs plus stereo line inputs on channels 11 & 12, 60 mm faders, 4 band EQ with mid-morph technology, 2 monitor sends, 1 EFX send, pan pot, PFL and Mute switches. Dual 600W @ 4 ohm Class D power amps, 2 combo (Speakon and 1/4") connecters per amp channel, digital EFX (w/footswitch defeat and tap function). Auto EQ feature (with dedicated RTA input), Feedback Ferrets and digital graphic EQ's that are dedicated to each amplifier. Five power amp modes, including fully active subwoofer crossover. Rack mountable. Full color box.

### Features:

- 12 XLR mic channels
- Dual 600W amps lightweight Class D
- Auto GEQ
- Feedback Ferret(r)
- 4-band EQ on input channels

- Digital effects
- Rack mountable
- Dual 9-band graphic EQ
- Two monitor sends
- Dedicated effect return fader









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#### **INPUT SPECIFICATIONS**

FUNCTION	INPUT Z (MIN OHMS)	INPUT GAIN SETTINGS	INPUT LEVELS MIN.* NOMINAL** MAX.	BAL/ Unbal	CONNECTOR XLR: PIN 1 GND.
XLR	2.2 k	Max Gain	-73 dBu -53 dBu -35 dBu	Bal.	Pin 2 (+)
(150 Ohms)		(57 dB)			Pin 3 (-)
		Min Gain	-19 dBu +1 dBu +19 dBu		
		(3 dB)			
Line Input	10 k	Max Gain	-53 dBu -33 dBu -15 dBu	Bal.	1/4" TRS:
(10 k ohms)		(37 dB)			Tip (+)
		Min Gain	+1 dBu +21 dBu +39 dBu		Ring (-)
		(-17 dB)			Sleeve Gnd.

<sup>\*</sup> Minimum input level (sensitivity) is the smallest signal that will produce nominal output (+4 dBu) with sub and master controls set for maximum gain. \*\*Nominal settings are defined as all controls set at 0 dB (or 50% rotation for rotary pots) except the gain adjustment pot, which is as specified.

#### **OUTPUT SPECIFICATIONS**

FUNCTION	MIN. LOAD (OHMS)	OUTPUT LEVEL MIN. MAX.	BAL/ UNBAL	CONNECTOR(S)
Main L/R	600	+4 dBu +22 dBu	Bal.	XLR: Pin 1 Gnd
				Pin 2 (+)
				Pin 3 (-)
Monitor	600	+4 dBu +22 dBu	Bal.	1/4" TRS: Tip (+)
				Ring (-),
				Sleeve Ground
EFX	600	+4 dBu +22 dBu	Bal.	1/4" TRS: Tip (+)
				Ring (-),
				Sleeve Ground
Таре	600	+4 dBu +22 dBu	Unbal.	RCA Phono
Headphone	8	+4 dBu +22 dBu	Unbal.	1/4" TRS: Tip Left
		(No Load)		Ring Right
				Sleeve Gnd

o dBu = 0.775 V RMS









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Output	<b>Residual Noise</b>	S/N Ratio	Test Conditions
		(Ref. +4 dBı	ı)
Master L/R Mond	95 dBu	99 dB	Master Fader Down, Channels Muted
	-90 dBu	94 dB	Master Fader Nominal, Channels Muted
	-82 dBu	86 dB	Master Fader Nominal, Channel Faders Nominal
			Panned Odd Channels (left), Even Channels (right)
Mono/Subwoofe	r -95 dBu	99 dB	All Controls Off
	-90 dBu	94 dB	All Channel Sends Nominal, Masters Nominal
Monitor Sends	-95 dBu	99 dB	All Controls nominal_mic gain min
	-85 dBu	89 dB	All Channel Sends Nominal, Masters Nominal
Effects Send	-90 dBu	94 dB	All Controls Off
	-85 dBu	89 dB	All Channel Sends Nominal

(Hum & Noise measurements: 22 Hz to 22 kHz BW)

#### **GAIN**

Mic input gain adjustment range: 3 dB to 57 dB
Mic input to any output: 77 dB (max. gain)
Stereo Channel in to any output: 37 dB (max. gain)

#### **CHANNEL EQ**

 High Shelving
 ±15 dB @ 12kHz

 Mid-morph
 +15 dB @ 4kHz

 -15 dB @ 2kHz

 Low-mid
 ±15 dB @ 450Hz

 Low
 ±15 dB @ 80Hz

#### **FREQUENCY RESPONSE**

Mic input to L/R output: 11 Hz to 30 kHz (+0 dB / -1 dB)

#### **TOTAL HARMONIC DISTORTION (THD)**

< 0.01%, 20 Hz to 20 kHz Mic to Left/Right Output (22 Hz to 80 kHz BW)

< 0.003% Typical (22 Hz to 22kHz BW)

#### **EQUIVALENT INPUT NOISE (EIN)**

-128 dBu (input terminated with 150 ohms, max gain)









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#### **CROSSTALK/ATTENUATION**

Adjacent Input Channels (1kHz) > 90 dB

Left to Right outputs (1kHz) > 85 dB

Mute Button Attenuation (1kHz) > 90 dB

Channel Fader Kill (1kHz) > 8odB

#### **COMMON MODE REJECTION RATIO (MIC INPUT)**

60 dB min. (20 Hz to 20 kHz) 70 dB typ. @ 1 kHz

#### 9-BAND GRAPHIC EQ FILTERS

Mains and Monitors ±12 dB @ 63, 125, 250, 500, 1k, 2k, 4k, 8k & 16kHz

#### **METERS**

8-segment peak reading (o dB = +4 dBu) Signal/Overload Indicators Red LED illuminates 2 dB below clipping

#### **POWER SECTION**

#### **POWER AND LOAD:**

600 Watts Program into 4 Ohms, both channels driven 500 Watts RMS per channel into 4 Ohms, both channels driven 360 Watts Program into 8 Ohms, both channels driven 300 Watts RMS per channel into 8 Ohms, both channels driven

#### **OUTPUT CONNECTIONS:**

Speakon® –  $\frac{1}{4}$ " Phone combo output connectors are compatible with Neutrik NL2FC and NL4FC cable connectors and  $\frac{1}{4}$ " phone plugs. Speakon connections are made to 1+ and 1- only.

#### **FREQUENCY RESPONSE:**

20 Hz-20 kHz (+o/-1 dB)

#### **TOTAL HARMONIC DISTORTION:**

<0.1% at 500Watts per channel @ 1kHz both channels driven









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#### **HUM & NOISE:**

95 dB below rated power level (600 Watts)

#### **DDT**<sup>™</sup> **DYNAMIC RANGE:**

Greater than 12 dB

#### **POWER REQUIREMENTS:**

Dom: 120VAC 60Hz;275 W nominal

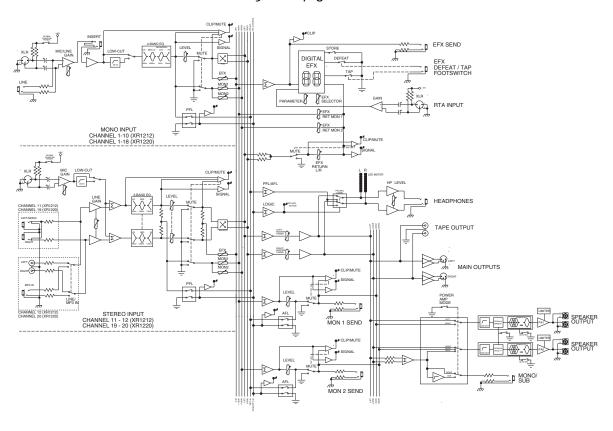
Export: 220-240VAC 50/60Hz;275 W nominal

XR<sup>®</sup> 1212 **DIMENSIONS:** Inches: 16.5 X 17 X 5.5 mm: 419 X 432 X 140

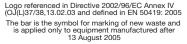
**WEIGHT:** XR 1212 18.4 lbs 8.4 kg

**DIMENSIONS:** XR 1220 Inches: 24 X 17 X 5.5 mm: 610 X 432 X 140

25 lbs 11.4 kg **WEIGHT:** XR 1220







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Features and specifications subject to change without notice.

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