

## PPM1008

The PPM1008 features 800W + 800W peak Class-D, Fast Recovery™ power amplifiers, six mono mic/line channels each with 3-band Perkins EQ and sweepable mid and two stereo mic/line/RCA channels each with 4-band Perkins EQ.

The PPM1008 is equipped with a 32-bit RMFX+™ processor featuring 24 effects with tap delay, dual 9-band graphic EQ (one for mains, one for monitors) and dedicated in-line compressors on the first four channels.

Each mono channel has a premium Mackie mic preamp, a low/high gain switch, one Mon send and one FX/Mon send and a Channel Insert jack for connecting an external processor.

There are built-in DIs on channels five and six for direct connection of guitars or bass, a 1/4-inch stereo footswitch jack for muting effects and a subwoofer output.

Other features include +48V phantom power, stereo tape output, stereo 12-segment LED meters and TRS stereo output jacks.

Despite its large channel count, the PPM1008 is ultra-light. Plus, it's a Mackie which means it is "Built-Like-A-Tank" and will survive years of abuse.

## APPLICATIONS

Live sound mixing, houses of worship, clubs, gymnasiums, banquet halls, conference rooms, boardrooms, multitrack studio and field recording, video post-production, multimedia applications, broadcast, and many, many more.

## FEATURES:

- Full-featured 8-Channel, 1600W Powered Mixer with onboard effects
- 800W + 800W peak Mackie designed Class-D, Fast Recovery™ power amplifiers
- 32-bit RMFX+™ processor featuring 24 "Gig Ready" reverbs, choruses, and tap delay



- Six mic/line mono inputs and two mic/line stereo inputs
- Mackie high-headroom, low-noise mic preamps with RF rejection and switchable 48V phantom power
- Four dedicated In-line compressors
- 3-Band channel EQ with a Mid sweep (100 Hz – 8 kHz) on mono channels and 4-band EQ on stereo line channels 7 and 8
- DI inputs for direct instrument connections on channels 5 and 6
- Two aux sends – one Mon and one FX/Mon
- Dual 9-Band graphic EQs on the Mains and Monitor outputs
- 3-Mode two-channel Amplifier, switchable as Mains Stereo L/R, Mono Mains/Monitor 1, or Mon 1 and Mon 2
- Precision Passive EQ for enhanced clarity and low-frequency response with Mackie passive loudspeakers
- Built-like-a-tank poly carbonate ABS cabinet with built-in handles
- Ultra-lightweight and portable (25.2 lb / 11.4 kg)

## PPM1008 SPECIFICATIONS

### Noise Characteristics

Equivalent Input Noise (EIN), mic input, 150 $\Omega$ source impedance, 20 Hz to 20 kHz	-128 dBu
(1 kHz, 30 kHz bandwidth)	
Main mix level down, all channel levels down	-95 dBu
Main mix level 0 dB, all channel levels down	-86 dBu
Main mix level 0 dB, all channel levels 0 dB	-77 dBu
Gain	
Mic mono input	25 dB / 45 dB
Line mono inputs	0 dB / 20 dB
Line stereo inputs	0 dB

### Frequency Response

Mic mono input (+0 / -3 dB)	<10 Hz to 80 kHz
Line mono inputs (+0 / -3 dB)	<10 Hz to 40 kHz
Line stereo inputs (+0 / -3 dB)	<10 Hz to 75 kHz

### Distortion (THD+N)

(1 kHz, 30 kHz bandwidth)	
Mic mono	<0.005% / <0.007%
Line mono	<0.005%
Line stereo	<0.01% at main out

### Maximum Input Levels

Mic mono input	-5 dBu / -25 dBu
Line mono inputs	+21 dBu / +1 dBu
Line stereo inputs	+21 dBu

### Maximum Output Levels

Preamp main and monitor outputs	+21 dBu
---------------------------------	---------

### Loudspeaker Outputs

(Both channels loaded and driven at 1 kHz)	
Peak output power @ 4 $\Omega$	2 x 800 W peak
RMS output power @ 4 $\Omega$	2 x 400 W rms, 1% THD 2 x 500 W rms, 3% THD
RMS output power @ 8 $\Omega$	2 x 250 W rms, 1% THD 2 x 300 W rms, 3% THD
Recommended load impedance	4 – 8 $\Omega$ per channel

### Equalization

High Shelving (all channels)	$\pm 15$ dB @ 12 kHz
Mid Mono Channels	
Mid Peaking, sweepable	$\pm 15$ dB
Mid sweep range	100 Hz to 8 kHz
Mid Stereo Channels	
Hi Mid Peaking	$\pm 15$ dB @ 2.5 kHz
Lo Mid Peaking	$\pm 15$ dB @ 400 kHz
Low Shelving (all channels)	$\pm 15$ dB @ 80 Hz
9-Band Graphic EQ	$\pm 15$ dB @ 63, 125, 250, 500, Main and Monitor 1 1k, 2k, 4k, 8k and 16 kHz

### Digital Effects

Processor	32-bit
I/O	Mono input / Stereo output
Number of presets	24

### Impedances

Mic mono input	3.6 k $\Omega$ balanced
Line mono input	20 k $\Omega$ balanced
Line mono input, Ch 5, 6 Hi-Z	500 k $\Omega$ unbalanced
Main and monitor preamp outputs	240 $\Omega$ balanced 120 $\Omega$ unbalanced

## PPM1008 SPECIFICATIONS continued...

### AC Power Requirements

US	100 – 120 VAC, 50 – 60 Hz, 250W
EU	200 – 240 VAC, 50 – 60 Hz, 250W
AC Connector	3-pin IEC 250 VAC
Operating Temperature	0° – 40°C 32° – 104°F

### Physical Properties (packaged product)

Height	15.2 in / 386 mm
Width	22.1 in / 561 mm
Depth	15.2 in / 386 mm
Shipping Weight	31.0 lb / 14.1 kg

### Physical Properties (product)

Height	12.3 in / 314 mm
Width	19.3 in / 490 mm
Depth	11.4 in / 290 mm
Net Weight	25.2 lb / 11.4 kg

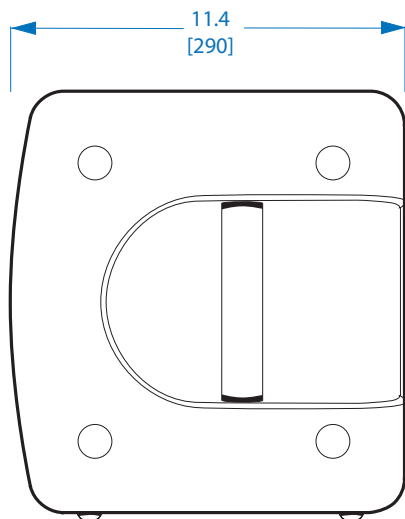
### Options

Mixer Bag	P/N 093-011-00
-----------	----------------

### Ordering Information

PPM1008 8-Channel Professional Powered Mixer, US	P/N 0026940-00
PPM1008 8-Channel Professional Powered Mixer, EU	P/N 0026940-01

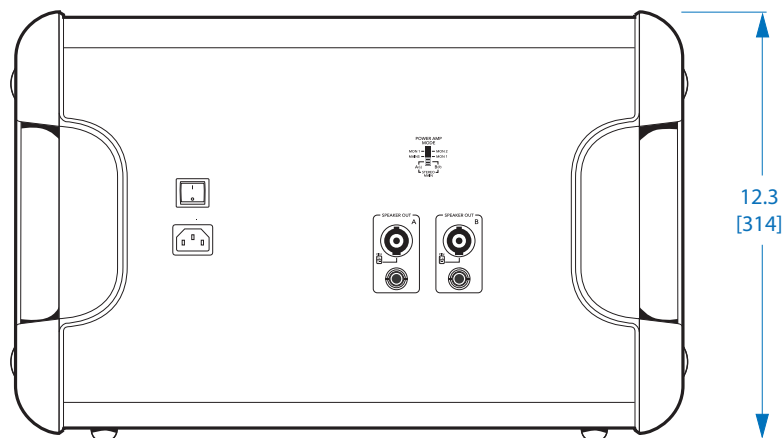
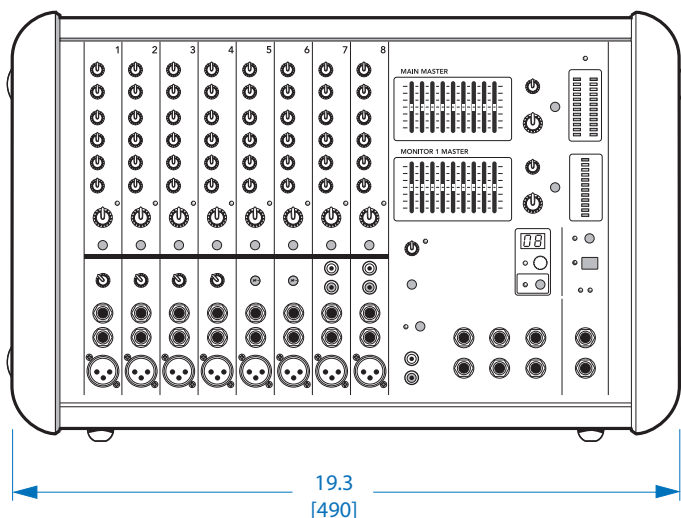
### PPM1008 DIMENSIONS



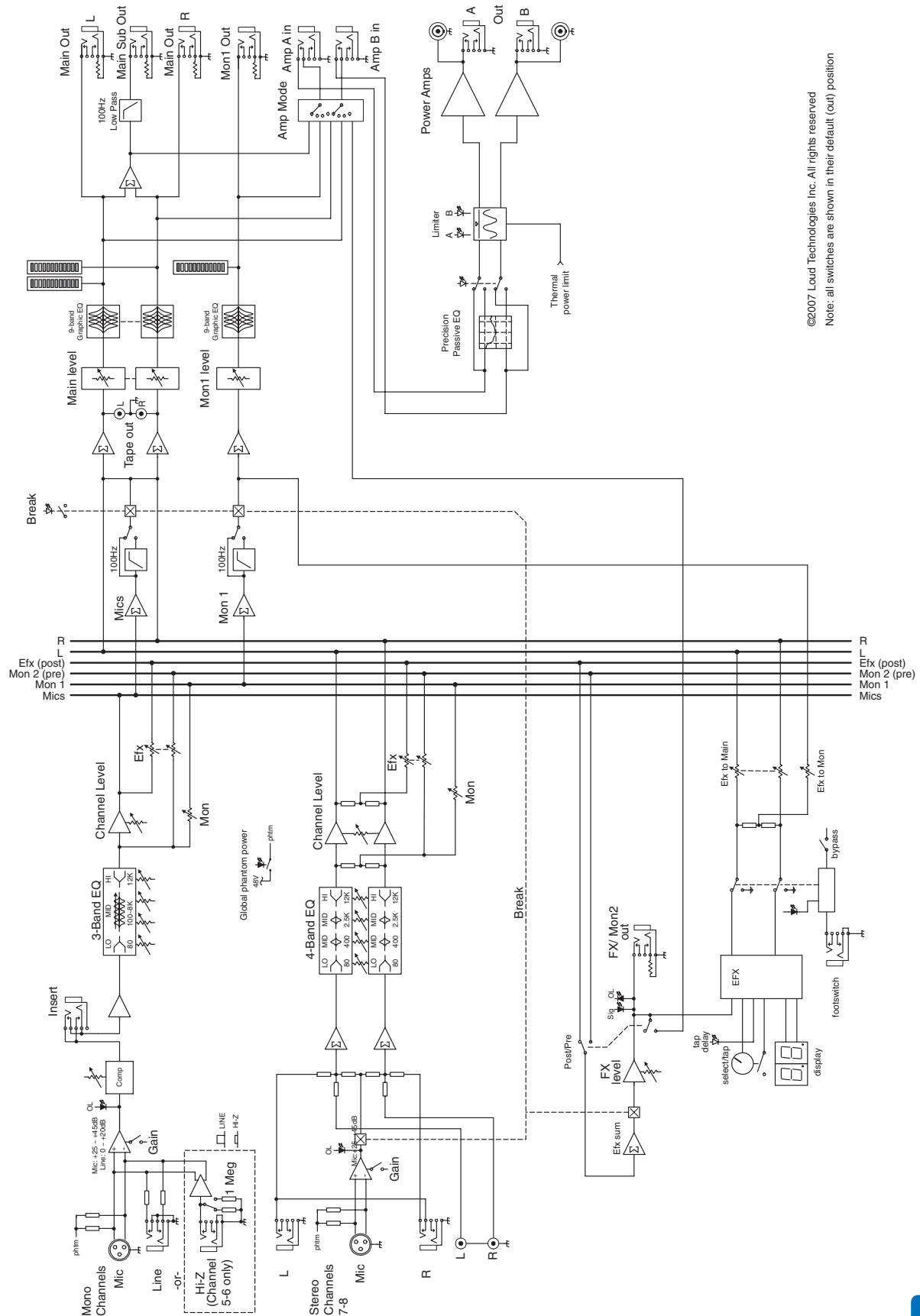
#### NOTES:

1. WEIGHT APPROX. 25.2 lb [11.4 kg].
2. SHIPPING WEIGHT APPROX. 31.0 lb [14.1 kg].

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

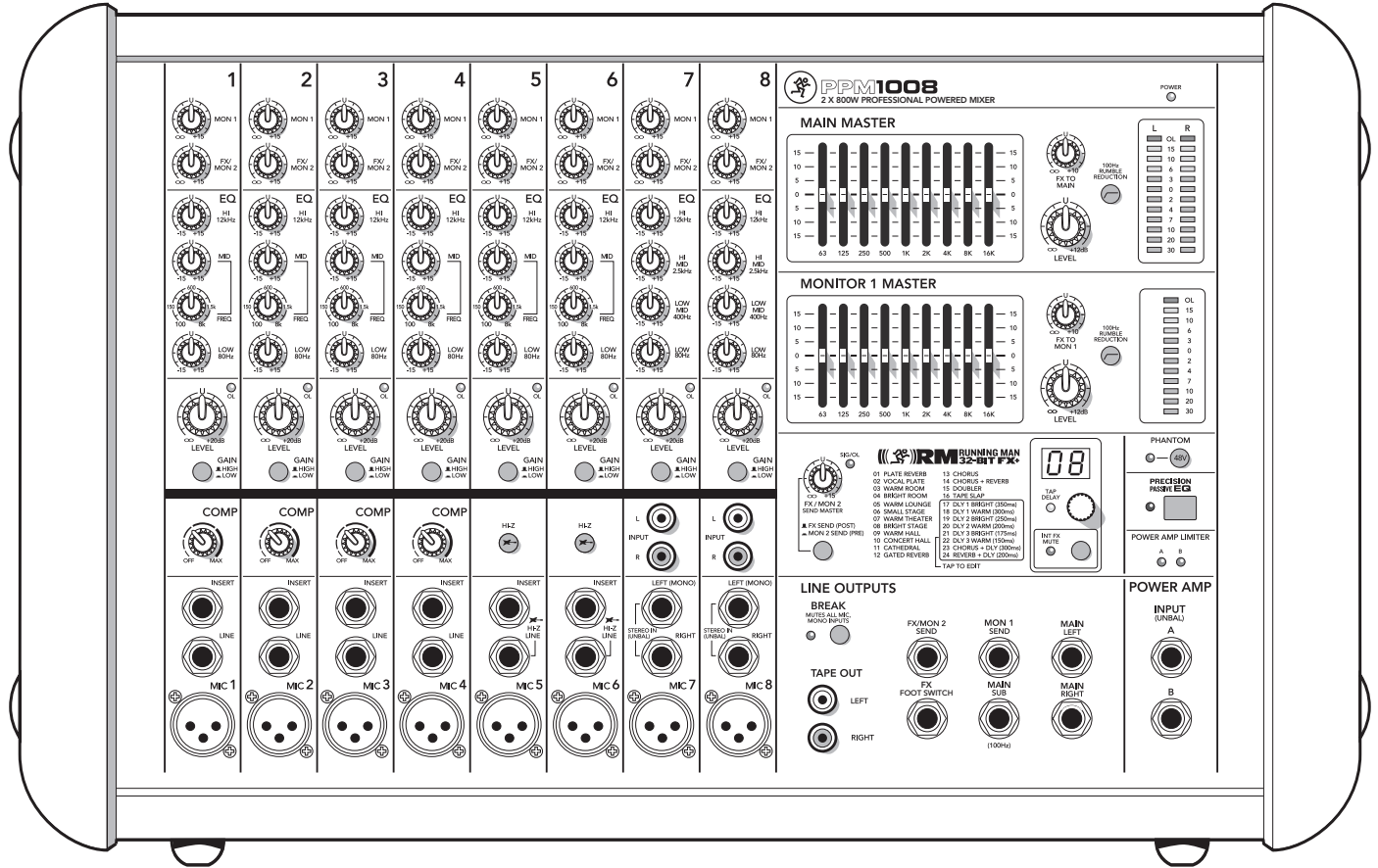


## PPM1008 BLOCK DIAGRAM

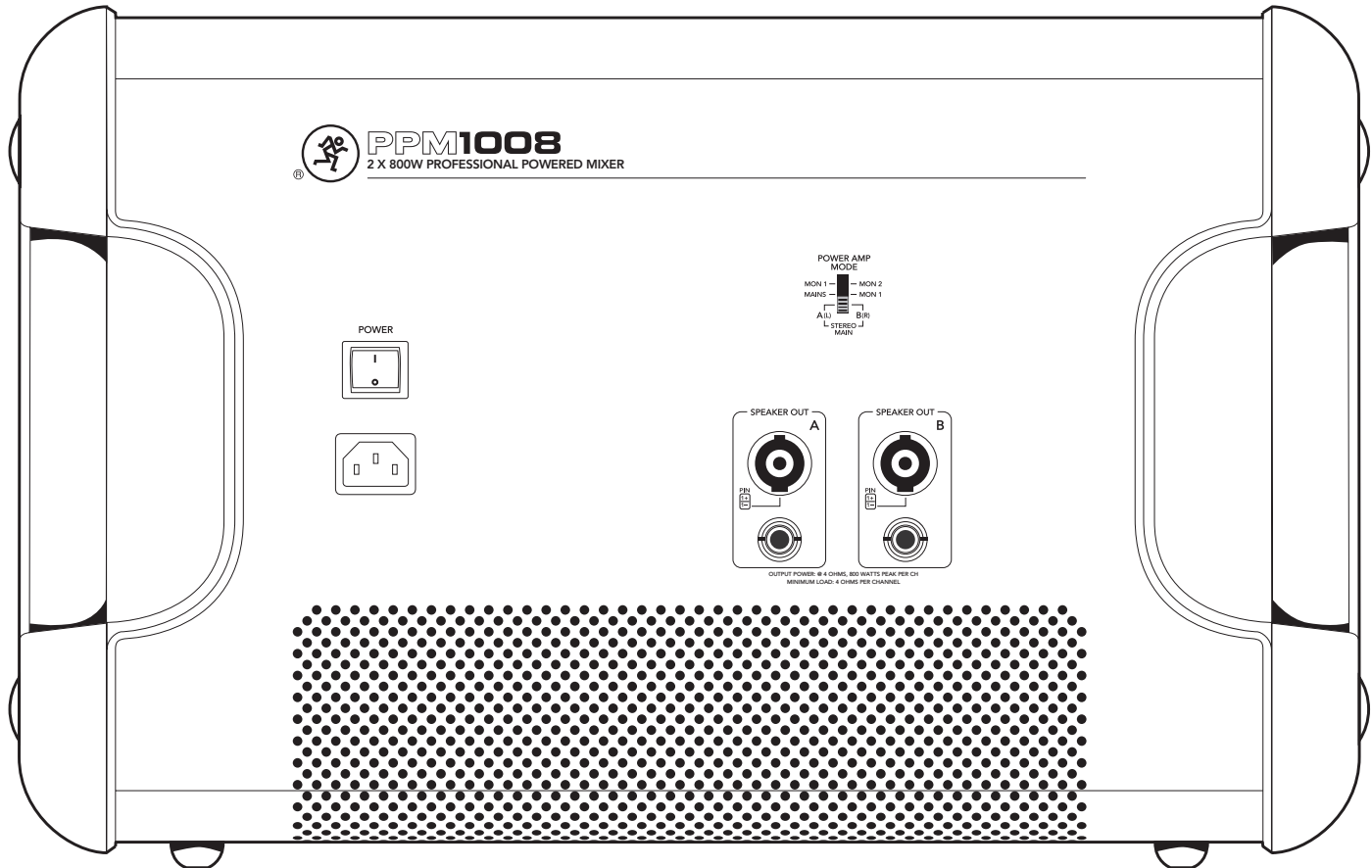


©2007 Loud Technologies Inc. All rights reserved  
Note: all switches are shown in their default (out) position

## PPM1008 FRONT PANEL



## PPM1008 REAR PANEL



Electronic files for this product are available at:

[www.mackie.com](http://www.mackie.com)

Specification Sheet

PPM1008\_SS.PDF

Owner's Manual

PPM1008\_OM.PDF

# MACKIE®

[www.mackie.com](http://www.mackie.com)

16220 Wood-Red Road NE  
Woodinville, WA 98072 USA

800-898-3211, Fax 425-487-4337, [sales@mackie.com](mailto:sales@mackie.com)

Part No. SW0888 Rev. A 05/11

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice. "Mackie" and the "Running Man" figure are registered trademarks of LOUD Technologies Inc. All other brand names mentioned are trademarks or registered trademarks of their respective holders, and are hereby acknowledged.

©2011 LOUD Technologies Inc. All Rights Reserved.