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# WAREHOUSE 9 - sound & light OVERVIEW

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## SOUND

2X MONITORS - Active DAP-audio

2X 18" SUB BASS SPEAKERS (+ stands for top speakers.)

1X LD Systems PA800 2x800 W power amp. For SUB Bass

4X YAMAHA MSR400 - Active PRO front speakers

2x Beta 58A Vocal Microphone

2X Microphone stands

1X Digitech Vocal 300 - Vocal effects box

1X Yamaha MG166C - 16 channel mixer – w. vocal effects & phantom power

1X Behringer DJX 700 – 4 channel PRO DJ mixer

2X vinyl DECKS - Technics SL-1200 mk2 / Technics SL-1210 mk2-

2X Pioneer CDJ 100S pro - CD players

2x Numark CDN22 MKIII - CD players

## LIGHT

12 Channel light mixer

6xdimmer transformer

4xPULSAR led spots + controller

4xPULSAR led floods + controller

1x follow profile spot on stand with iris.

# SPCECS

## 2X DAP MONITORS - K-112A Active 12" 2-way



### Dap Audio [D3562] K-112A - Active 12" 2-way Fullrange speakersystem

This Fullrange box is ideal for clubs, tents, festivals and as well as "Side-Fill" active monitor. The K-112A is easy to handle, roadproof and provides exact sound reproduction and universal connectors.

- Adjustable Line/Mic Input with 3p. XLR and 6,3 mm Jack connector
- High level fader
- Low level fader
- Master volume fader with Clip-LED at the front
- 3 flying points (M-8), mounting eye optional (ordercode: D8414)
- Roadproof housing made of plastics
- Built-in stand flange
- Switch for 115V or 230V with Power-Signal LED at the front

### 2X 18" SUB BASS SPEAKERS (+ stands for top speakers.)

## 1X LD Systems PA800 2x800 W power amp.



[DOWNLOAD PA400/800/1000 SPECIFICATION ENGLISH PDF](#)

# PA400/800/1000

These power amplifiers operate with a conventional toroidal transformer power supply. The circuitry is completely balanced with a feedback of only 20 dB, resulting in a very fast power amplifier with only slight distortion. In particular, the rough, unpleasant sound associated with TIM distortion is suppressed. The amplifier has a Class H design, which means that the operating voltage changes depending on the signal level. This improves efficiency, considerably reducing the amount of heat generated by the amplifier. Superfast, high-performance bipolar transistors are used for the power amplifier. They are rated for three times the maximum power dissipation of the amplifier, thus providing an enormous safety factor. Short-circuit protection is therefore not required until there is a load of less than 2  $\Omega$  and a phase shift of 45 degrees due to reactive load. These power amplifier naturally features all of the other standard protection circuits, including a clip limiter.

### SPECIFICATIONS

Article No.	LDPA1000	LDPA800	LDPA400
Power Handling per Channel@1kHz, 0,1%THD			
Stereo into 8 $\Omega$ :	2 x 500 W	2 x 400 W	2 x 220 W
Stereo into 4 $\Omega$ :	2 x 800 W	2 x 650 W	2 x 350 W
Bridge-mono into 8 $\Omega$ :	1200 W	1000 W	600 W
Frequency response:	+0.25 db/-0.25 db from 20 Hz to 20 kHz		
Distortion:	No more than 0.1% THD		
Hum and noise:	110 dB		
Input sensitivity:	Selectable, 0.775 V, 1.0, 1.5 V, Shipped at 1.0 V rated output		
Slew rate:	Closed loop response greater than 40 V/ $\epsilon$ g sec.		
Damping factor:	500:1 at 1 kHz		
Connectors:	1/4" x 2" XLR x 2		
Cooling:	High efficiency, two speed auto controlled fan		
Weight:	21,4 kg	17,6 kg	14,9 kg

## 4 x YAMAHA MSR400



<b>Type</b>	Biamp. 2-way Powered Speaker
<b>Crossover Frequency</b>	1.6kHz
<b>Overall Frequency Response</b>	50Hz - 20kHz
<b>Maximum SPL</b>	121dB (1m)
<b>Dispersion</b>	90° (H)/40° (V)
<b>Dimension (W x H x D)</b>	406 x 652 x 351 mm (16" x 25-3/4" x 13-7/8")
<b>Weight</b>	23kg (50.7lbs)
<b>SPEAKER SECTION</b>	
<b>Components</b>	LF: 12" cone HF: 1.75" V.C. Compression Driver
<b>Enclosure Material</b>	Bass-reflex Type PP
<b>AMP SECTION</b>	
<b>Output Power</b>	Bi-amplified system LF: 225W/ 4Ω HF: 75W/16Ω Burst Power: 400W Total
<b>Input Sensitivity /Impedance</b>	MIC/LINE: -36dB/+4dB 10kΩ
<b>Input/Output Connectors (all parallel)</b>	1: XLR-3-31 balanced 2: XLR-3-32 balanced 3: PHONE balanced
<b>Controls</b>	LEVEL CONTROL, EQ. LOW: (+/- 3dB at 55Hz), HIGH: (+/- 3dB at HF), POWER Switch (ON/OFF)
<b>Indicators</b>	Power ON: Green LED Clipping: Red LED
<b>Power Requirement</b>	U/C: AC120V 60Hz
<b>Power Consumption</b>	110W

## 2x Beta 58A Vocal Microphone



### Type

Dynamic (moving coil)

### Frequency Response

50 to 16,000 Hz

**NOTE:** The curve above shows on-axis response at a distance of 2 feet from a uniform sound source. Your response may vary, depending on microphone position.

### Polar Pattern

Supercardioid, rotationally symmetrical about microphone axis, uniform with frequency.

### Output Level (at 1,000 Hz)

Open Circuit Voltage: -51.5 dBV/Pa\* (2.6 mV)

\*1 Pa = 94 dB SPL

### Impedance

Rated impedance is 150 ohms (290 ohms actual) for connection to microphone inputs rated low Z Phasing. Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3.

### Case

Silver blue enamel-painted die cast metal with hardened, matte-finished, spherical steel mesh grille.

### Adjustable, Stand Adapter

Slip-in microphone mounting, unbreakable, adjustable through 180 degrees with standard 5/8"-27 thread, black finish.

### Dimensions

See User Guide.

### Net Weight

278 grams (9.92 oz)

## 1x Digitech Vocal 300 - vocal effects box



The Digitech Vocal 300 is a Vocal Effects Processor with a built-in expression pedal. Equipped with multiple mic preamp types, the DigiTech Vocal 300 is ideal for both warm classic vocals or cutting edge distortion and lo-fi styles. The exclusive voice "characters" transform your voice from the scariest of monsters to spacey alien beings. The Vocal 300 comes with 38 fully programmable studio quality effects (up to 7 effects at once). The built-in expression pedal can be assigned to control your choice of up to 3 parameters in real-time. Each effect includes up to 4 adjustable parameters, giving you total flexibility to create the sound you want. The 6 character alphanumeric and 2 character numeric displays, combined with the 4-knob matrix editing system, provide a simple straightforward user interface.

The Vocal 300 also includes 40 great sounding Factory Presets and 40 User Presets for your own custom creations. The rear panel features a 1/8" CD input for singing along with your favorite music, a 1/4" unbalanced input, a balanced XLR input, a balanced XLR mono output, a 1/4" TRS stereo line output and a 1/8" headphone output.

### Features

- 7 effects at once
- Up to 4 fully programmable parameters per effect
- 24 bit A/D/A converter
- Balanced XLR input and output
- Line input
- 1/4" TRS stereo line output
- Expression Pedal with V-Switch
- Simple User Interfact
- 6 Digit Alpha Numeric Display
- Power supply included
- 2 Digit Numeric Display
- Rugged Metal Chassis
- 40 User / 40 Factory Presets

- Power Supply Included
- Effects List**
- Mic pre and voice characters
- Compression
- EQ
- Noise Gate
- Chorus
- Flanger
- Phaser
- Tremolo
- Vibrato
- Strobe
- Doubler
- Envelope
- Pixelator
- Detune
- Pitch Shifter
- Whammy™
- Digital Delay
- Ping Pong Delay
- 8 Reverb Types

Input Connections	1/4" TS and XLR
Output Connections:	Stereo 1/4 TRS and Mono XLR
Headphone Connection:	1/8" TRS
CD Input Connection:	1/8" TRS
A/D/A Converter:	24 bit
Sample Rate:	44.1 kHz
Simultaneous effects:	Up to 7
Effects:	Mic pre and voice characters, compression, EQ, noise gate, chorus, flanger, phaser, tremolo, vibrato, strobe, doubler, envelope, pixelator, detune, pitch, Whammy™, digital delay, analog delay, ping-pong delay, 8 reverb types
Memory Capacity	40 User/40 Factory
Power Requirements:	9VAC, 1.3A (PS0913B included)
Power Consumption:	10 Watts
Dimensions	8.5"L x 13" W x 2.25"H
Unit Weight	3.76 lbs.
Specifications subject to change without notice.	

## X1 - Yamaha MG166C - 16 channel mixer -



### DOWNLOAD

[MG166C Owners Manual \(pdf\)](#)

### YAMAHA MG166C Specs

	MG102C	MG124C	MG166C	MG206C
Mic/Line inputs	4	6	10	16
Line inputs	2 mono + 4 stereo	4 mono + 4 stereo	8 mono + 4 stereo	12 mono + 4 stereo
Mixer input channels	10	12	16	20
Group busses	-	2	4	4
AUX busses	2	2	3	4
Main busses	Stereo	Stereo	Stereo	Stereo
Total harmonic distortion (THD+N)	Less than 0.1%, 20Hz-20kHz			
Frequency response	0, +1, -3dB , 20Hz-20kHz			
Hum and noise level	Equivalent input noise (EIN): -128dBu Residual output noise: -100dBu	Equivalent input noise (EIN): -128dBu Residual output noise: -98dBu		
Crosstalk (1kHz)	-70dB			
Power supply adaptor	PA-10 AC adaptor (AC38VCT, 0.62A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-20 AC adaptor (AC35VCT, 0.94A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz
Power consumption	21W	30W	30W	40W
Dimensions (W x H x D, mm)	256.6 x 62.2 x 302.5	346.2 x 86.1 x 436.6	478 x 105 x 496	478 x 105 x 496
Net weight	1.5kg	3.0kg	5.3kg	6.0kg
Accessories	Owners manual, AC adaptor			

- Hum and noise are measured with a 6dB/octave filter @12.7kHz; equivalent to a 20kHz filter with infinite dB/octave attenuation.

MG166C

Terminal	Gain	Actual load impedance	For use with nominal	Input level			Connector
				Sensitivity	Nominal	Max. before clip	
CH IN MIC (1-8)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	+4dBu	
CH IN LINE (1-8)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	TRS phone jack*
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH MIC IN (9/10, 11/12)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	-6dBu	
ST CH LINE IN (9/10, 11/12)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH IN (13/14, 15/16)	-	10kΩ	600Ω Lines	-30dBu	-10dBu	+10dBu	Phone jack**, RCA pin jack
CH INSERT IN (1-8)	-	10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	TRS phone jack**
RETURN [L,R]	-	10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA pin jack**

- Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.
- 0dBu : 0.775Vrms; -0dBV : 1Vrms.
- \* : Balanced; \*\* : Unbalanced

MG206C

Terminal	Gain	Actual load impedance	For use with nominal	Input level			Connector
				Sensitivity	Nominal	Max. before clip	
CH IN MIC (1-12)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	+4dBu	
CH IN LINE (1-12)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	TRS phone jack*
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH MIC IN (13/14-19/20)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	-6dBu	
ST CH LINE IN (13/14, 15/16)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH LINE IN (17/18, 19/20)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**, RCA pin jack**
	+10dB	10kΩ	600Ω Lines	-10dBu	+10dBu	+30dBu	
CH INSERT IN (1-12)	-	10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	TRS phone jack**
RETURN [L,R]	-	10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA pin jack**

- Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.
- 0dBu : 0.775Vrms; -0dBV : 1Vrms.
- \* : Balanced; \*\* : Unbalanced

MG166C

Terminal	Actual source impedance	For use with nominal	Output Level		Connector
			Nominal	Max. before clip	
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type*, TRS phone jack*
GROUP OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
AUX SEND (1-3)	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
CH INSERT OUT (1-8)	75Ω	10kΩ Lines	0dBu	+20dBu	TRS phone jack**
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack*
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**

- 0dBu : 0.775Vrms; -0dBV : 1Vrms.

- \* : Balanced; \*\* : Unbalanced; \*\*\* : Impedance balanced

MG206C

Terminal	Actual source impedance	For use with nominal	Output level		Connector
			Nominal	Max. before clip	
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type*, Phone jack*
GROUP OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
AUX SEND (1-4)	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
CH INSERT OUT (1-12)	75Ω	10kΩ Lines	0dBu	+20dBu	TRS phone jack**
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**

- 0dBu : 0.775Vrms; -0dBV : 1Vrms.

- \* : Balanced; \*\* : Unbalanced; \*\*\* : Impedance balanced

## X1 Behringer DJX 700 – 4 channel PRO DJ mixer



### SPECS:

- Professional 5-Channel DJ Mixer with Multi-FX Processor, BPM Counter and VCA-Control
- Professional, 5-channel, ultra-low noise DJ mixer with state-of-the-art phono preamps
- 47 breathtaking digital effect presets in 24-bit quality: delay, reverb, flanger, filter, panner, Ultrabass, exciter, vinylizer, voice changer and more
- Intelligent, dual BPM counter with time and beat sync display
- Super-smooth, long-life ULTRAGLIDE faders (up to 500,000 cycles)
- Awesome, adjustable XPQ 3D surround effect
- VCA-controlled faders for utmost reliability and smooth audio performance
- Adjustable Crossfader curve for all mixing styles
- 3-band kill EQ (-32 dB) and precise level meters with peak hold function per channel
- Additional 3-way kill switches with extremely steep frequency separation
- Monitor function with master/cue balance control and split option
- Auto-talkover function with separate depth control
- Gold-plated RCA connectors for highest signal integrity
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

DECKS 1x Technics SL-1200 mk2 + 1x Technics SL-1210 mk2



## 2x Pioneer CDJ 100S pro - CD players



### DOWNLOAD

[Owner's Manual](#)  
[CDJ-100S Operating Instructions](#)

### SPECS

Disc Type	Compact Disc (5 inch/3inch)
Frequency Response	4 Hz-20kHz
Digital Filter	18 bit x 8 Oversampling
Line Out	RCA PIN
Audio Output	2.0 V
Power Requirements	AC 120 V 60 Hz
Power Consumption	12 W
Net Weight	4 lbs 14 oz (2.2 kg)

## 2x Numark CDN22 MKIII - CD players



### SPECS

[CDN22MKIII - Reference Manual](#)

#### Dual Rack Mountable CD Player

- $\pm 12\%$  pitch control with pitch bend wheel
- Auto Cue
- Sleep mode, to save laser life
- Digital output
- CDR compatible

### TECHNICAL

- Quantization: 16-bit linear/channel, 3 beam laser
- Oversampling rate: 8 times
- Frequency response: 20Hz-20KHz
- Channel separation: 86dB
- T.H.D. + NOISE: 0.01%
- S/N ratio (IHF-A): 94dB
- Output level: 2.0Vrms
- Short access time (Play next track): less than 1.7sec
- Long access time (Track 1 ->Track 20): less than 3sec
- Start Time: less than 0.3 sec
- Pitch control range:  $\pm 12\%$
- Pitch bend:  $\pm 16\%$
- Digital Output: Type 2, form 1, S/PDIF (Sony/Phillips Digital Interface Format)

### GENERAL

- Dimensions (W x H x D):
  - Main Unit: 482mm x 88.8mm x 264mm (without feet); 19" x 3.5" x 10 3/8" (without feet)
  - Control Unit: 482mm x 88.8mm x 75mm (without feet); 19" x 3 1/2" x 2 7/8" (without feet)
- Weight:
  - Player Unit: 5 Kgs; 11 lbs.
  - Control Unit: 2 Kgs; 4.4 lbs
- Power Supply: 115/230V AC, 50/60Hz
- Power Consumption: 25W