



# DX1400 DSP

## DX-Series Built-in Amplifiers for PA Speaker Systems



- D class power amplifier
- Switching power supply
- Power factor corrector (optional)
- Forced cooling system
- Detachable power cord
- Input section with DSP
- USB port for DSP setting
- 3-position preset switch
- Line inputs – 2 x XLR
- Line outputs – 2 x XLR
- Line output switch: THRU/SAT  
(THRU – parallel connection to input,  
SAT – send processed signal to line output)
- Input level control
- Overload and short-circuit protection
- DC output protection
- Thermal protection
- High frequency protection

## BUILT-IN AMPLIFIER

### **Application:**

*Built-in amplifier for full range speaker systems.*

### **Versions of amplifiers:**

*for 4 Ohms speaker impedance – DX1400-4 DSP*

*for 8 Ohms speaker impedance – DX1400-8 DSP*

### **Power Rating \*:**

– DX1400-4 DSP

**1400/800 W** (4/8 Ohms)

– DX1400-8 DSP

**1400 W** (8 Ohms)

### **Frequency Range \*\***

**45 Hz – 20 kHz**

### **Total Harmonic Distortions**

**<0.05%**

### **Slew Rate**

**20 V/μs**

### **Damping Factor**

**200** (200 Hz, 8 Ohms)

### **Signal-to-Noise Ratio**

**98 dB** (unweighted)

### **Sensitivity \*\*\***

**775 mV**

### **Power Requirements**

**~ 230 V, 50/60 Hz**

### **Weight:**

– DX1400 DSP

**4 kg**

– DX1400 DSP PFC

**4.3 kg**

### **Dimensions**

**198 mm x 408 mm x 104 mm**

### **Note.**

\* At mains voltage:

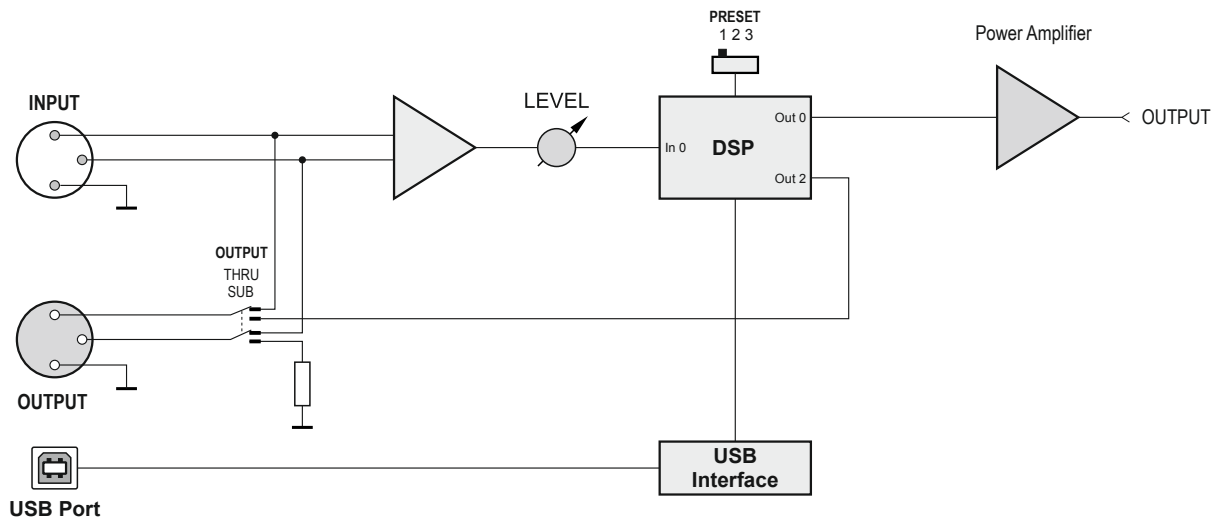
– ~230 V for amplifier without Power Factor Correction (PFC);

– ~160-280 V for amplifier with Power Factor Correction (PFC).

\*\* Frequency range is defined by DSP settings.

\*\*\* Basic setting, which can be changed by DSP engine.

## AMPLIFIER BLOCK DIAGRAM



## MECHANICAL DRAWING

