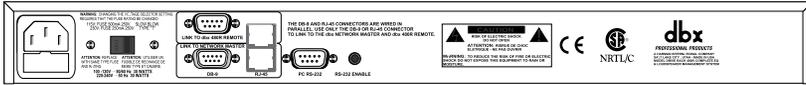


## 480P Rear Panel



### IEC Power Cord Receptacle

The 480P comes with a IEC power supply cord and a selectable power supply.

### Voltage Selector Switch

The 480P allows you to select either 115V with 500mA 250V SLOW BLOW fuse or 230V with 250mA 250V Type "T" fuse. **WARNING:** Fuse must be changed to correspond with the desired power setting.

### RS485 Link to 480R (DB-9 connector type)

This connector is used to connect to the 480R. Cable lengths **480R to 480P** - 300 feet max. 500 feet with dbx proprietary cable.

### RS485 Link to Network Master (DB-9 connector type)

This connector is used to connect the 480R to the network master. Connect to the CONTROLLER IN on the Network master 480P to Network cable length- Up to 4000 feet.

### RS485 Link to 480R (RJ-45 connector type)

This connector is used to connect to the 480R, and is wired in parallel with the DB-9 connector. Cable lengths **480R to 480P** - 300 feet max. 500 feet with dbx proprietary cable.

### RS485 Link to Network Master (RJ-45 connector type)

This connector is used to connect the 480R to the network master. Connect to the CONTROLLER IN on the Network master and is wired in parallel with the DB-9 connector. **480P to Network** cable length- Up to 4000 feet.

### RS232 PC Connection

This input is used to connect a PC to the 480R for 480R software updates.

### RS485/ PC Select Button

This recessed button is used to select the link to master controller connector or the PC

## 480P Front Panel



### Power Switch

Turns the 480P and 480R on and off.

### Specifications ( 480P Power Supply)

#### Inputs

Connectors:

RS 232 and RS 485 Network Communication Connectors

#### Power Requirements

30 Watts

Selectable  
100-120V - 50/60Hz  
or 220-240V-

#### 50/60Hz

#### Dimensions

Dimensions:

Height:

Weight:

Shipping Weight:

1.75" X Width- 19" X Depth 7.90"  
8 lbs.  
9.5 lbs.

**dbx** PROFESSIONAL PRODUCTS

# DriveRack™

Complete Equalization & Loudspeaker Management System



**480P**  
Power  
Supply

**dbx**

PROFESSIONAL PRODUCTS

A Harman International Company

→ *User Manual*

## IMPORTANT SAFETY INSTRUCTIONS



**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

The symbols shown above are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowpoint in an equilateral triangle means that there are dangerous voltages present within the unit. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the owner's manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

### SAFETY INSTRUCTIONS

**NOTICE FOR CUSTOMERS IF YOUR UNIT IS EQUIPPED WITH A POWER CORD.**

**WARNING: THIS APPLIANCE MUST BE EARTHED. CAUTION: EQUIPMENT IS NOT DISCONNECTED FROM MAINS WHEN SWITCH IS IN THE OFF POSITION**

The cores in the mains lead are coloured in accordance with the following code:

GREEN and YELLOW - Earth BLUE - Neutral  
BROWN - Live

As colours of the cores in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The core which is coloured green and yellow must be connected to the terminal in the plug marked with the letter E, or with the earth symbol, or coloured green, or green and yellow.
- The core which is coloured blue must be connected to the terminal marked N or coloured black.
- The core which is coloured brown must be connected to the terminal marked L or coloured red.

This equipment may require the use of a different line cord, attachment plug, or both, depending on the available power source at installation. If the attachment plug needs to be changed, refer servicing to qualified service personnel who should refer to the table below. The green/yellow wire shall be connected directly to the units chassis.

CONDUCTOR	WIRE COLOR	
	Normal	Alt
L LIVE	BROWN	BLACK
N NEUTRAL	BLUE	WHITE
E EARTH GND	GREEN/YEL	GREEN

**WARNING:** If the ground is defeated, certain fault conditions in the unit or in the system to which it is connected can result in full line voltage between chassis and earth ground. Severe injury or death can then result if the chassis and earth ground are touched simultaneously.

### WARNING FOR YOUR PROTECTION PLEASE READ THE FOLLOWING:

**KEEP THESE INSTRUCTIONS  
HEED ALL WARNINGS  
FOLLOW ALL INSTRUCTIONS  
CLEAN ONLY WITH A DAMP CLOTH.  
DO NOT BLOCK ANY OF THE VENTILATION  
OPENINGS. INSTALL IN ACCORDANCE WITH  
THE MANUFACTURERS INSTRUCTIONS.**

**DO NOT INSTALL NEAR ANY HEAT SOURCES  
SUCH AS RADIATORS, HEAT REGISTERS,  
STOVES, OR OTHER APPARATUS (INCLUDING  
AMPLIFIERS) THAT PRODUCE HEAT.**

**ONLY USE ATTACHMENTS/ACCESSORIES SPEC-  
IFIED BY THE MANUFACTURER.**

**UNPLUG THIS APPARATUS DURING LIGHTNING  
STORMS OR WHEN UNUSED FOR LONG PERI-  
ODS OF TIME.**

**WATER AND MOISTURE:** Appliance should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

**POWER SOURCES:** The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**GROUNDING OR POLARIZATION:** Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

**POWER CORD PROTECTION:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**SERVICING:** To reduce the risk of fire or electric shock, the user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**FOR UNITS EQUIPPED WITH EXTERNALLY ACCESSI-  
BLE FUSE RECEPTACLE:** Replace fuse with same type and rating only.

**MULTIPLE-INPUT VOLTAGE:** This equipment may require the use of a different line cord, attachment plug, or both, depending on the available power source at installation. Connect this equipment only to the power source indicated on the equipment rear panel. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel or equivalent.

## IMPORTANT SAFETY INSTRUCTIONS

### LITHIUM BATTERY WARNING

#### CAUTION!

This product may contain a lithium battery. There is danger of explosion if the battery is incorrectly replaced. Replace only with a Sony or equivalent battery. Make sure the battery is installed with the correct polarity. Discard used batteries according to manufacturer's instructions.

#### ADVARSEL!

Lithiumbatteri - Eksplosjonsfare. Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten. Brukt batteri returneres apparatleverandøren.

#### ADVARSEL!

Lithiumbatteri - Eksplosjonsfare ved feilagtig håndtering. Utdskifting må kun ske med batteri av samme fabrikk og type. Levér det brukte batteri tilbake til leverandøren.

#### VAROITUS!

Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

#### WARNING!

Explosionsfara ved feilagtigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

### ELECTROMAGNETIC COMPATIBILITY

This unit conforms to the Product Specifications noted on the **Declaration of Conformity**. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Operation of this unit within significant electromagnetic fields should be avoided.

- use only shielded interconnecting cables.

### U.K. MAINS PLUG WARNING

A molded mains plug that has been cut off from the cord is unsafe. Discard the mains plug at a suitable disposal facility. **NEVER UNDER ANY CIRCUMSTANCES SHOULD YOU INSERT A DAMAGED OR CUT MAINS PLUG INTO A 13 AMP POWER SOCKET.** Do not use the mains plug without the fuse cover in place. Replacement fuse covers can be obtained from your local retailer. Replacement fuses are 13 amps and **MUST** be ASTA approved to BS1362.

### DECLARATION OF CONFORMITY

Manufacturer's Name: dbx Professional Products

Manufacturer's Address:  
8760 S. Sandy Parkway

Sandy, Utah 84070, USA

declares that the product:

Product name: dbx DriveRack™ 480P

Product option: None

conforms to the following Product Specifications:

Safety: EN 60065 (1993)  
IEC 60065 (1998)  
CAN/CSA E60065-99

EMC: EN 55013 (1990)  
EN 55020 (1991)

Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC as amended by Directive 93/68/EEC.

dbx Professional Products  
Vice-President of Engineering  
8760 S. Sandy Parkway  
Sandy, Utah 84070, USA  
March 15th, 2000

European Contact: Your Local dbx Sales and Service Office or

Harman Music Group  
8760 South Sandy Parkway  
Sandy, Utah  
84070 USA  
PH: (801) 568-7533  
FX: (801) 568-7583