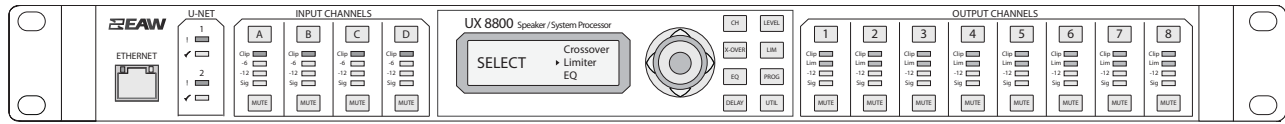
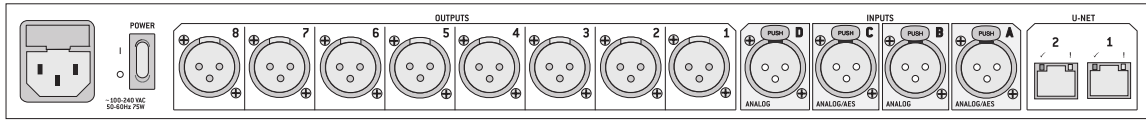




UX8800 DIGITAL SIGNAL PROCESSOR QUICK START - Loudspeaker Processor Mode



UX8800 Front Panel



UX8800 Rear Panel

1 Basic Tasks

- Connect audio signal cables, power cable, and, if needed, computer cable.
- Select the operating mode, input signal type(s), and temperature/humidity conditions.
- Select the signal source(s) for each input channel.
- Select the loudspeaker type for each input channel and assign the output channel(s).
- Adjust the amplifier and listening distance parameters for the output channel(s).
- Adjust input channel EQ, gain, polarity, and delay.
- For Generic Processing, use EAWPilot to adjust output channel EQ, gain, polarity, limiting, and delay.

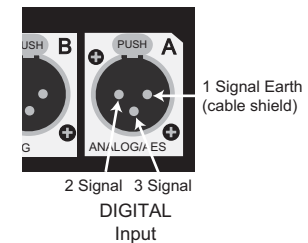
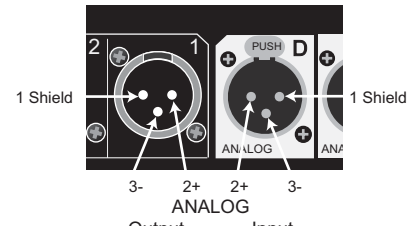
2 Hardware Installation

2.1 AC MAINS

Universal power supply maximum operating range is 100 V to 240 V, 50 Hz to 60 Hz
Use supplied IEC-type ac mains cable with Nema connector for nominal 115 V or with Schuko connector for nominal 230 V.

2.2 INPUTS A TO D

- Cable: 2 conductor plus shield
Mating Connector: XLR-3 male
Analog:
Pin 1 Shield
Pin 2 Signal + or high
Pin 3 Signal - or low
Digital (AES/EBU):
Pin 1 Signal ground (shield)
Pin 2 Signal
Pin 3 Signal



2.3 OUTPUTS 1 TO 8

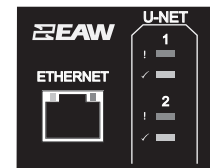
- Cable: 2 conductor plus shield
Mating Connector: XLR-3 female
Analog:
Pin 1 Shield
Pin 2 Signal + or high
Pin 3 Signal - or low

2.4 ETHERNET

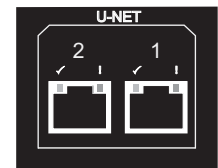
- For control of the processor using EAWPilot.
Cable: Ethernet CAT-5 cable or better
Mating Connector: RJ-45
Wiring Configuration: Crossover (supplied) for direct to computer connection
Standard for connection to a hub or switch

2.5 U-NET

- For networking audio and computer control between multiple U-Net enabled products.
Cable: Ethernet CAT-5 cable or better
Mating Connector: RJ-45
Wiring Configuration: Standard or crossover (supplied): the ports auto-sense the wiring



FRONT PANEL
Ethernet Port / U-Net Indicators



REAR PANEL
U-Net Ports

3 EAWPilot Software Installation

Install the EAWPilot™ program on a computer with the Microsoft® Windows operating system: XP, 2000, NT, ME, or Windows 98.
See EAWPilot's Help file for EAWPilot's operating instructions.

4 Operation

NOTES:

The steps in Section 4.1 correspond to the diagram.

These steps do not include all available operating parameters nor are they in the appropriate order for all situations.

When configured for specific loudspeaker models, output parameters are preset and unavailable for adjustment.

4.1 ADJUST OPERATING PARAMETERS (UX8800 front panel or EAWPilot)

1. Global Setup

- Operating Mode: Select 'Loudspeaker Processor'
 - Inputs A & B / Inputs C & D: Select input signal type: Analog or AES Ch 1 & 2
 - Temperature & Humidity: Adjust values to current conditions
2. Channel A to Channel D Source: Source: Select one or two signal sources for each input
3. Channel A to Channel D Type: Select loudspeaker model

Type [greybox]: (specific loudspeaker model)

- 4. X-Over HPF / LPF: Adjust crossover parameters (typically for a full-range to subwoofer crossover)
 - 5. Select outputs: Select the output channel(s)
 - 6. Adjust Gain/Voltage/Listener Distance: Adjust amplifier gain, maximum voltage, and listener distance parameters
7. Channel A to channel D
- Delay: Adjust signal delay
 - EQ: Adjust equalization parameters
 - Gain / Polarity: Adjust gain and polarity

Type [greybox]: (generic processing)

(Steps are not shown in the diagram.)

- 4. Channel A to channel D
- Delay: Adjust signal delays
- EQ: Adjust equalization parameters
- Level: Adjust gain and polarity
- 5. Select outputs: Assign the output channel(s) to each input
- 6. Channel 1 to Channel 8
- (Setting these parameters requires using EAWPilot.)
- X-Over HPF / LPF: Adjust crossover parameters
- EQ: Adjust equalization parameters
- Gain / Polarity: Adjust gain and polarity
- Limiter: Adjust limiting parameters
- Delay: Adjust signal delay

UX8800 QUICK START DIAGRAM Loudspeaker Processor Mode

