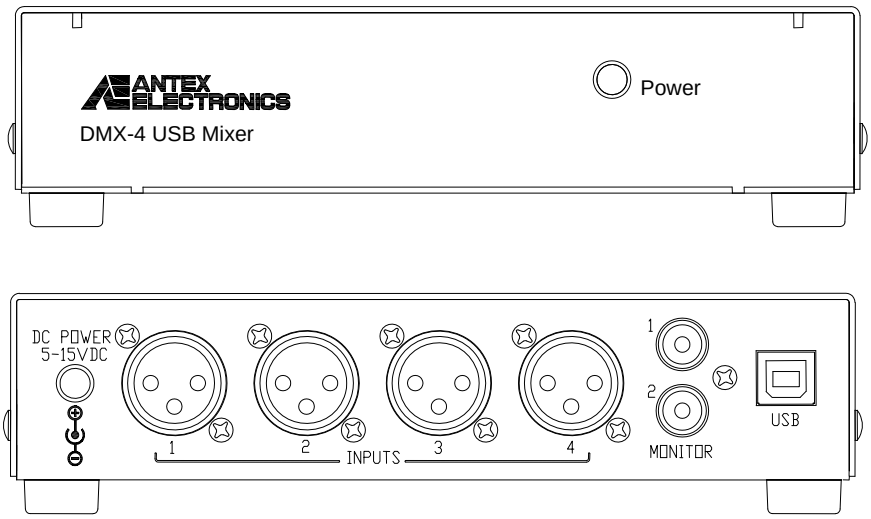
DMX-4

USB MIXER



The DMX-4 is a digital recording device that connects to a host PC via USB 2.0. The DMX-4 has 4 balanced XLR mic/line inputs that can be mixed in any combination to 4 digitized recording outputs. There are 2 analog monitor outputs intended for interfacing to telephone or video teleconferencing systems, or as a "monitor all" to connect to a public address system. Any selection of inputs may be routed to either of the 2 monitor outputs. The digitized audio is sent to the host PC via a USB 2.0 connection for recording on the host PC's hard drive. A software driver is provided that makes the DMX-4 appear as a standard Microsoft Wav device.

All level adjustments are solid state; there are no mechanical knobs on the unit. Level adjustments are made by moving virtual slider controls in the Antex Mixer Program running on the PC. This allows for settings to be stored and retrieved as a "scene". Also, if the PC connected to the DMX-4 is connected to a LAN, adjustments can be made from a remote computer anywhere on the LAN. The DMX-4 is ideal for mobile court, deposition and other voice recording applications.

Features

- **Combines functions of a 4-channel mic preamp with 4-channel audio encoder card in a single device.**
- **USB 2.0 interface ensures easy installation and configuration.**
- **Includes 4 professional XLR MIC/line inputs.**
- **Inputs can be mixed to any of the 4 s/w records. Inputs can also be mixed to the 2 physical monitor outs.**
- **All 4 inputs are digitized separately.**
- **MIC inputs are software configurable to accept either dynamic, condenser, balanced or unbalanced (mic/line level), and phantom powered inputs.**
- **Antex software interface gives you complete control of internal configurations.**
- **Compatible with most court recording software applications.**
- **9-Volt international wall adapter provided. Unit may also be powered by battery pack or from automobile accessory plug ("cigarette lighter"). LED power indicator on front panel gradually changes from green at 12 volts to red at 5 volts to indicate when battery power gets low.**
- **Power consumption is 5 watts. Power input can be from +5 to +15 VDC.**
- **Windows 2000, XP, and VISTA O/S support.**

DMX-4

Preliminary Specifications

Analog Inputs

Quantity	4
Connector	XLR-F
Input Impedance	2K ohms
Phantom Power	14VDC, 1K series resistor each line
THD+N	0.006% condition: -30dBu input (25mVRMS)
CMRR	80dB
Frequency Response	20 to 20kHz ± 3dB
Gain adjustment:	
Channels 1 & 2, mic setting	10 to 85dB, 1 dB steps
Channels 1 & 2, line setting	0 dB, fixed
Channels 3 & 4, mic setting	10 to 85dB
Channels 3 & 4, line setting	-8 to 31.5dB
Clipping Level	+6dBV – gain setting (note 1)

Note 1. For example, if the gain is set to 65dB, clipping will begin with a –59dBV signal. If the gain is set to 0, clipping will begin with a +6dBV signal

Mixer

Record Device Source Selection	Any N of 4 inputs for each of 4 records
Monitor Source Selection	Any N of 4 inputs for each of 2 monitor out

A/D Conversion

Conversion	16 bits
Sample rates	8,11.025,12,16,22.05,24,32,44.1,48 KHz
Physical Record Devices	4 (mono)

Audio Monitor Outputs

Number	2
Connector	RCA female
Type	Unbalanced (single ended)
Series impedance	560 ohms
Output level before clipping	2VRMS (+6dBV)
Output Trim Control	>90dB range, 0.5 dB steps
THD+N	-84dB (note 2)

Note 2. A weighted. Test conditions: Test signal of –30dBV amplitude input into microphone input. Input gain slider set to +30dB, Monitor gain slider set to 0dB.

Computer Interface

OS support	Windows 2000 workstation, XP Home, XP Pro, Vista
USB	USB 2.0 required
Audio Wav Devices	2 or 4 mono record devices (1 or 2 stereo)
Mixer	Antex Mixer Windows application with storable mixer “scenes”

General

Input range	+5VDC to +15VDC (Universal 100-240VAC wall adapter supplied)
Power consumption	5 watts
Protection	Reverse polarity and overvoltage clamping with self resetting fuse
Power LED	Changes color from green to red with decreasing voltage
Certifications	cUL 60065-1, CE/FCC Part 15 Class B
Size	7” W x 4.6” D x 1.8” H
Weight	1 lb for unit, <0.5 lbs for power
Operating Environment	0-40C, 0-95% RH non-condensing

Specifications subject to change without notice

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