DMX NETWORKED BROADCAST CONSOLE

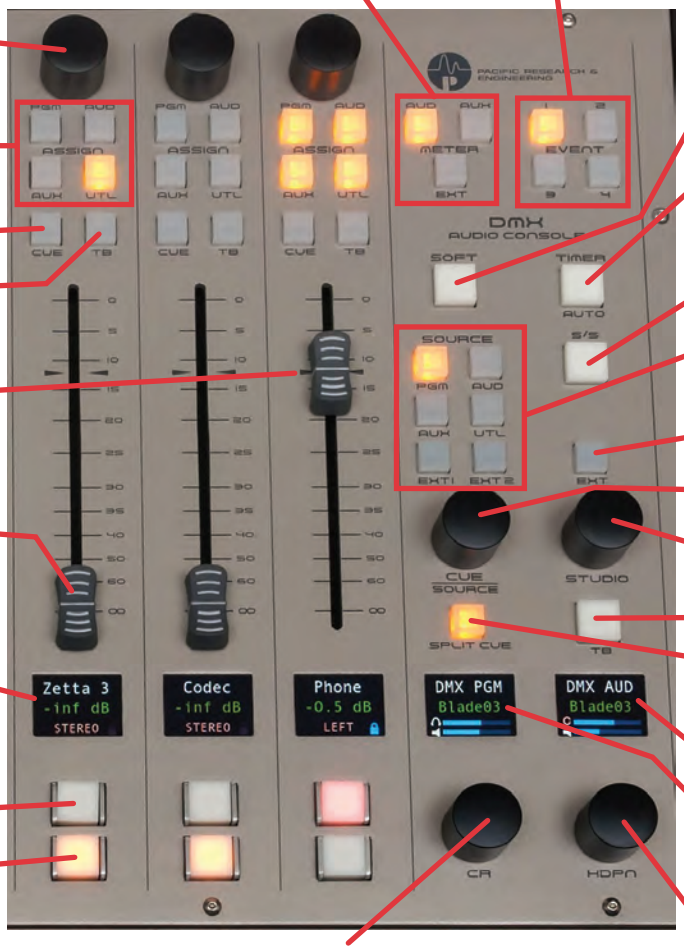
Quick Guide

DMX-8: 041394
DMX-16: 041395

DMX-8 SURFACE PART IDENTIFICATION

(DMX-16 HAS EIGHT ADDITIONAL FADER CHANNELS)

BOARD OPERATOR CONTROLS



DMX BROADCAST CONSOLE Quick Guide

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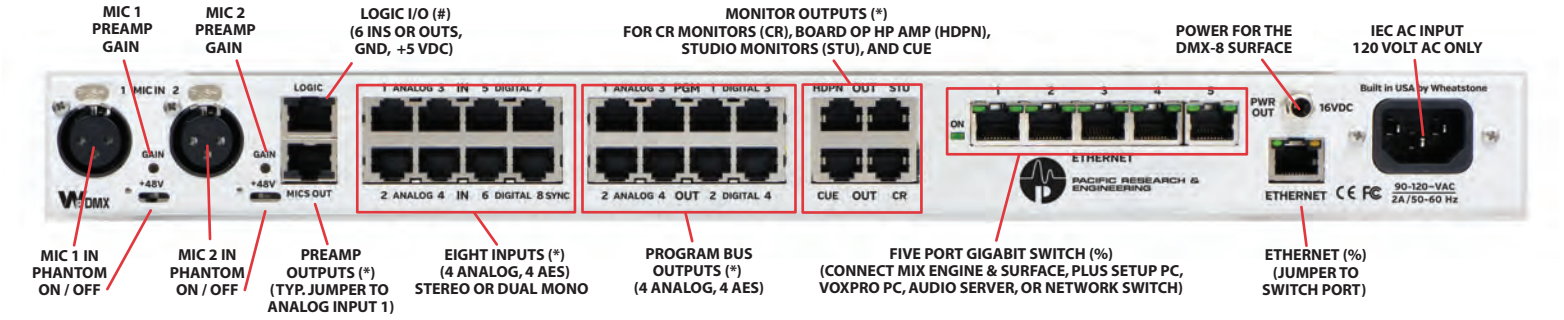
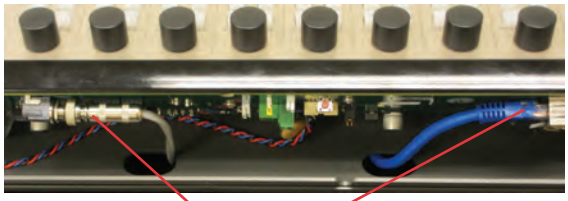
PR&E MIX ENGINE REAR PANEL CONNECTORS



DMX SURFACE & MIX ENGINE CONNECTIONS

Remove the upper rear cover from the Surface (three #1 Phillips screws) to access the DC power and Ethernet connectors (see photo). After positioning the Surface on your countertop, mark and drill a small cable access hole for the DC and Ethernet cables. On the DMX-8, the Mix Engine must be mounted so the supplied 16-foot DC cable can easily connect to the Surface. The DMX-16 Surface has a separate DC supply so the Mix Engine can be located up to 100 meters from the DMX-16 Surface.

On a DMX-8 fasten the DC cable from the PWR OUT jack on the Mix Engine to the power jack on the Surface. On a DMX-16, connect the DC power supply cable to the Surface DC power plug. On either Surface, connect a customer-supplied CAT6 cable from the Surface Ethernet jack to PORT 4 on the Mix Engine's Gigabit switch. Replace the rear cover panel on the Surface.



Surface DC Power & Ethernet Connections

On the Mix Engine, install a short Ethernet cable between the ETHERNET jack and PORT 5 on the Gigabit switch. Plug in the supplied IEC AC cord to the Mix Engine and connect to an isolated ground AC outlet. It will take roughly two minutes for the Mix Engine and Surface to complete their power up process.

CONNECTOR WIRING

* STUDIOHUB+ WIRING

RJ45 PIN (WIRE)	SIGNAL
1 (WHT/ORG)	Left + or AES +
2 (ORG)	Left - or AES -
3 (WHT/GRN)	Right +
6 (GRN)	Right -
4 (BLU)	GND
5,7,8	No Connection

\# WNIP LOGIC WIRING

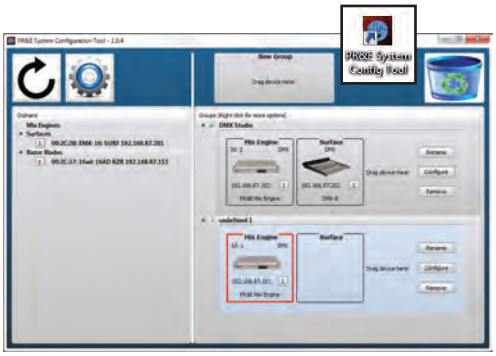
RJ45 PIN (WIRE)	SIGNAL
1 (WHT/ORG)	GND
2 (ORG)	Logic 1
3 (WHT/GRN)	Logic 2
4 (BLU)	Logic 3
5 (WHT/BLU)	Logic 4
6 (GRN)	Logic 5
7 (WHT/BRN)	Logic 6
8 (BRN)	+5 Volts

% ETHERNET WIRING

RJ45 PIN (WIRE)	SIGNAL
1 (WHT/GRN)	TRANSMIT+
2 (GRN)	TRANSMIT-
3 (WHT/ORG)	RECEIVE+
4 (BLU)	N/C
5 (WHT/BLU)	N/C
6 (ORG)	RECEIVE-
7 (WHT/BRN)	N/C
8 (BRN)	N/C

DMX SURFACE & MIX ENGINE CONFIGURATION

The DMX ships with a USB thumb drive with three software apps (DMX Surface Setup, PR&E Navigator, PR&E System Configuration Tool). These apps are used to configure and manage your DMX consoles. The thumb drive also has a PDF of the user manual and this Quick Guide. The DMX apps can be installed on any Windows PC (XP, 7, 8, or 10; 32- or 64-bit processor). For best performance the PC needs at least 1 GB of memory and a 1.8GHz or faster processor. This "admin PC" needs to have one NIC assigned to an IP address of 192.168.87.20. Connect the NIC to one of the Mix Engine's Gigabit switch ports using a straight-thru CAT5 cable (customer-supplied).



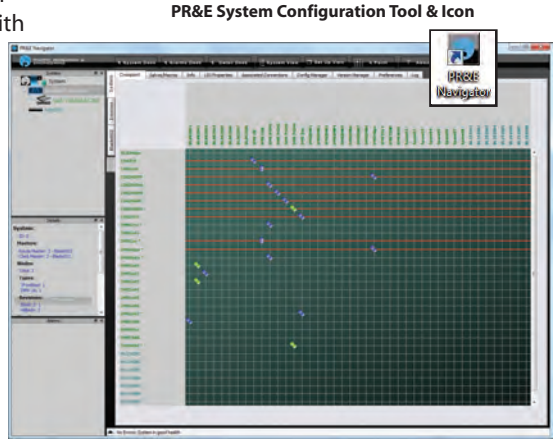
PR&E System Configuration Tool & Icon

The **PR&E System Configuration Tool** is used change the device settings on a DMX Surface, Mix Engine, or Razor Interface. Since every DMX device ships with the same IP address: DMXSurface = 192.168.87.201; Mix Engine = 192.168.87.101 (Blade ID=1); Analog Razor = 192.168.87.50; AES razor = 192.168.87.60; and A/D Razor = 192.168.87.70. The Config Tool allows multiple consoles to be easily networked together by automatically changing the default IP address and Mix Engine IDs to be uniquely set for each device in your facility.

The **DMX Surface Setup** app "marries" the Mix Engine and Surface. It's then used to configure the Surface for a specific application by setting various Surface options including which sources appear on each source selector and setting the various channel attributes that can be assigned to a source, along with a host of other settings which are in *five vertical page tabs*.

The **PR&E Navigator** is used for DMX system management. It is initially used to name system signals. It is then used to connect signals by clicking in an X-Y crosspoint grid; to create and take salvos to allow many system functions to be done simultaneously; to manage the system through a built-in syslogger; along with many other system control functions.

DMX Surface Setup Icon& VDips Page Tab



PR&E Navigator Icon & Crosspoint Grid