# DMP 64 • Setup Guide

This guide provides basic instructions for an experienced technician to install the DMP 64 ProDSP™ Digital Matrix Processor and DSP Configurator™ software. For additional information see the *DMP 64 User Guide* found at **www.extron.com**.
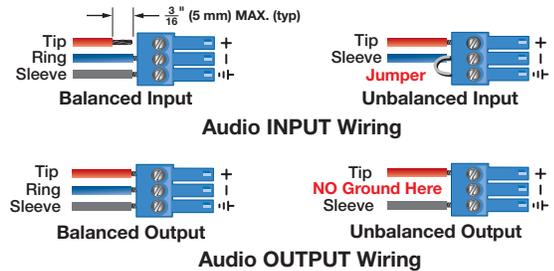
Disconnect Power and Mount the DMP 64

Disconnect power to the DMP 64 and turn off all devices connected to it. The DMP 64 is housed in a half rack width, 9.5 inches deep, 1U high metal enclosure that can sit on a table with the provided rubber feet or can be rack mounted. Select a suitable mounting location, then choose an appropriate mounting option.
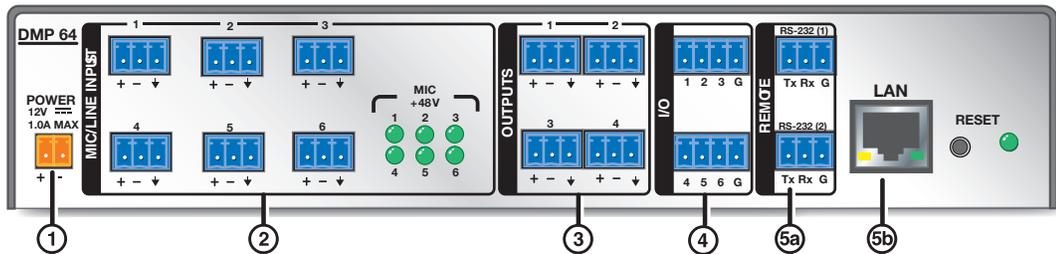
Connections

① **Connect the Power Supply** — The included power supply is prewired. Plug the captive screw connector into the DMP 64 power jack.

② **Mic/Line Inputs** — Attach up to six microphone or mono line level devices, balanced or unbalanced, to the DMP 64 using the audio input wiring diagram shown at right.

③ **Connect the Audio Outputs** — For balanced or unbalanced mono audio output, connect an audio output device to each of the four outputs. Wire the connectors as shown in the audio output wiring diagram shown at right.

④ **Connect the I/O Ports** — To control or monitor external devices, connect up to six digital I/O ports (connections not shown). See the *DMP 64 User Guide* for additional information.

⑤ **Connect a Control System** — There are three options to connect a control system: LAN, RS-232, and USB. Extron recommends using the LAN port for configuration and remote control of the DMP 64.

LAN — Using a standard Ethernet cable, connect to a network via the LAN port (⑤b). The table at right shows the default network settings.

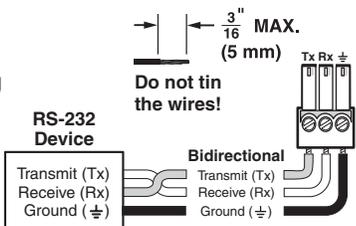> **NOTE:** To connect the DMP 64 directly to a computer, use a crossover Ethernet cable.

RS-232 — Connect the host RS-232 cable to the rear panel of the switcher (⑤a) using the provided 3-pole captive screw connector (see the wiring diagram at right).

USB — Connect the host USB port to the front panel configuration port, (not shown), using a USB A to mini-B cable. The USB connection should be used only for configuration. Use the RS-232 or LAN port for remote control of the DMP 64.

When all connections have been made, power up the input and output devices, then apply power to the DMP 64.

Audio INPUT Wiring

Audio OUTPUT Wiring

> **ATTENTION:**
> - For unbalanced audio outputs, connect the sleeves to ground.
> - **DO NOT** connect the sleeves to the negative (–) contacts.

IP Address:	192.168.254.254
Subnet Mask:	255.255.0.0
Default Gateway:	0.0.0.0
DHCP:	OFF

DSP Configurator Software Installation

There are no hardware controls for the DMP 64. All configuration and control is done using the DSP Configurator software. Install DSP Configurator on a PC running Microsoft® Windows® 2000 or later. For full details about computer requirements, see the *DMP 64 User Guide* on the Extron website (**www.extron.com**).

To Download the DSP Configurator Software from the Extron website:

1. On the Extron home page, click the **Download** tab. The Download page opens.

2. Under **Software** in the left column, select **DSP Configurator Software**. The DSP Configurator Software page opens.

3. Click the **Download Now** button and follow the on-screen instructions.

> **NOTE:**   On the first installation of DSP Configurator, the USB driver automatically loads. Follow the on-screen instructions. Once the USB driver has loaded, the DSP Configurator software continues to load.

By default, the program installs in the folder `C:\Program Files\Extron\DSP_Configurator` and an icon is placed on the desktop.

## DMP 64 Setup and Control Software Configuration

When the DMP 64 is connected to power, an audio source, a power amplifier, and speakers, it produces an audio output that can easily be tailored to the listening environment. When a different configuration is required, change it using the setup and control software, DSP Configurator.

To Configure the DMP 64:

1. Ensure the control computer is connected to the Ethernet port (recommended), RS-232 port, or front panel USB Config port of the DMP 64 (see "Connect a Control System" on page 1).

2. Start the DMP Configurator software. Select **DMP 64** as the device being connected to. The main DMP 64 screen opens.

3. The program starts in **Emulate** mode.

    a. To create a configuration offline and upload (push) those changes to the DMP 64 at a later time, remain in emulate mode.

    b. To push a configuration to the device, or to make immediate changes to the configuration or operation, select **Live** mode.

> **NOTES:**
> • When live mode is selected, a connection dialog box appears. Select the desired connection and follow the on-screen prompts.
> • The connection can be changed from the **Tools** menu by selecting **Connect to Device**, or by pressing **F5**.
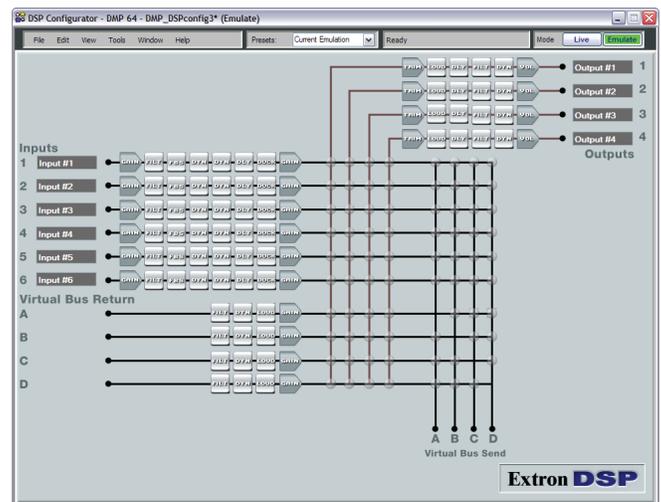
For more information about live and emulate modes, see the *DMP 64 User Guide*.

The main screen provides access to all the features of the DMP 64. Full details about using the DSP Configurator software can be found in the *DMP 64 User Guide* on the Extron website at **www.extron.com** or in the help file for the program.