

## LIMITED WARRANTY

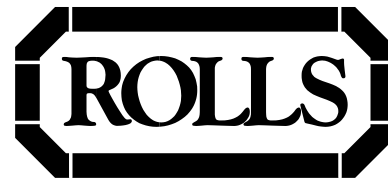
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# MP80

## MIDI CONTROLLER



## OWNERS MANUAL

## INTRODUCTION

Thank you for purchasing the ROLLS MP80 Midi Pedal, it is designed to provide lasting value and usefulness. MIDI provides standardization from which many manufacturers can create products to interface with each other. It has a lot in common with the RS232 for computer data except MIDI is better thought out and is more of a true standard. MIDI is supported for all popular computers, and hardware and software support are increasing daily. Also since it has such wide support, MIDI is now being used for some non musical applications. The ROLLS MP80 is a controller for sending MIDI program change information on any of the 16 MIDI channels. This is done in 10 banks (or groups) of 8 patches (or presets). The 2 digit display shows the bank and patch numbers and does not necessarily equal the MIDI program number being accessed. The left digit is the bank # and the right is the patch # (or preset #). The exact MIDI program # can be found by the formula (bank #+1) X (patch #+1)=MIDI program #. The MIDI channel # is set by dip switches on the front of the unit, switches 1 - 4 off is MIDI channel 1, switches 5 & 6 are not used at this time. The UP and DOWN buttons select the desired bank (0 - 9) but MIDI information is only sent when a patch button (0 through 7) is pressed.

## INSTALLATION

Apply power 7 to 15 volts AC or DC to the power jack on the front of the MP80 or it may be phantom powered through the MIDI jack. While there is no standard for MIDI phantom power there is a convention of pin 1 as ground and pin 3 as hot, the MP80 may be phantom powered by 7 to 25 VDC @ 50 ma. on those pins. Connect the MIDI OUT on the MP80 with a standard MIDI cable to the MIDI IN on the unit to be controlled. It may be used on the floor and foot switched or placed on top of a keyboard for easy hand access. The MP80 is designed so it can be stored in an extra space in a 19 inch audio rack.

## USING THE ROLLS MP80

Since the MP80 is organized in groups of banks some programming of the unit being controlled in patch groups of 8 can make commonly used sounds very easy to get at. When the MP80 is first powered up the bank digit will sometimes be blank, simply press the up button until it lights. The MP80 follows the MIDI standard protocol and will work with any MIDI controllable device. Make sure the MIDI channel numbers match so both units are "talking" on the same channel, most MIDI controllable devices have an omni or all channel mode this can sometimes be used to avoid channel confusion.

## SETTING THE MIDI CHANNEL NUMBER

The MIDI channel is set with DIP switches 1-4 on the front of the MP80 in binary coding, all off=ch 1 all on=ch 16. Down=on

<i>CH #</i>	<i>ON</i>	<i>OFF</i>	<i>CH #</i>	<i>ON</i>	<i>OFF</i>
<i>1</i>		<i>1,2,3,4</i>	<i>9</i>	<i>4</i>	<i>1,2,3</i>
<i>2</i>	<i>1</i>	<i>2,3,4</i>	<i>10</i>	<i>1,4</i>	<i>2,3</i>
<i>3</i>	<i>2</i>	<i>1,3,4</i>	<i>11</i>	<i>2,4</i>	<i>1,3</i>
<i>4</i>	<i>1,2</i>	<i>3,4</i>	<i>12</i>	<i>1,2,4</i>	<i>3</i>
<i>5</i>	<i>3</i>	<i>1,2,4</i>	<i>13</i>	<i>3,4</i>	<i>1,2</i>
<i>6</i>	<i>1,3</i>	<i>2,4</i>	<i>14</i>	<i>1,3,4</i>	<i>2</i>
<i>7</i>	<i>2,3</i>	<i>1,4</i>	<i>15</i>	<i>2,3,4</i>	<i>1</i>
<i>8</i>	<i>1,2,3</i>	<i>4</i>	<i>16</i>	<i>1,2,3,4</i>	

## SPECIFICATIONS

Size	15" X 5" X 1.5" (381 X 127 X 27 MM)
Weight	3 lbs. (1.4 kg)
Power requ.	7 to 15 VAC/VDC 50 ma 2.0 mm cntr pin DC jack
Phantom Power	7 to 25 VDC 50 ma pin 1 neg, pin 3 positive
Display	2 digit red .56" high efficiency
Switches	10 high rel. ROLLS switches 1,000,000 cy. life
Output	MIDI program change with channel, 5 pin DIN
Chassis	20 guage black steel