

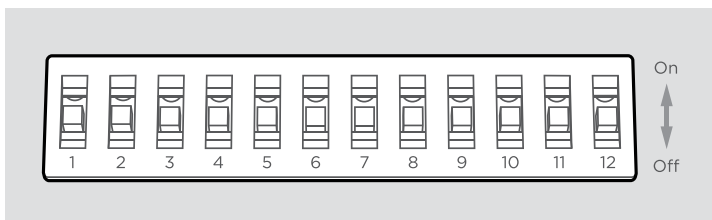
## CARTRIDGE LOADING

UltraPhono™ and StudioPhono™ are factory set to operate with most high-output moving magnet (MM), moving coil (MC), and moving iron (MI) phono cartridges. If you are using a low-output moving coil (MC) cartridge, you will need to adjust the phono preamplifier's settings for best results.

Locate the DIP switches, which are found on the underside. Each switch is arranged in a mirror pattern for left and right channels.

Start by selecting each DIP switch for the recommended impedance of your cartridge as shown in the *Input Impedance Settings* chart. Next, select the best gain setting for your cartridge using the *Gain Settings* chart and set DIP switches accordingly.

For moving magnet (MM), start with 40dB. For moving coil (MC), start with 60dB. An additional 6dB can be added via DIP switches 1 and 12.



## INPUT IMPEDANCE SETTINGS

Impedance (Ohms)	DIP Switch No.			
	3/10	4/9	5/8	6/7
75 Ohms	On	On	On	On
85 Ohms	On	On	Off	Off
100 Ohms	On	Off	Off	Off
330 Ohms	Off	On	On	Off
500 Ohms	Off	On	Off	Off
900 Ohms	Off	Off	On	On
1000 Ohms	Off	Off	On	Off
8500 Ohms	Off	Off	Off	On
47000 Ohms	Off	Off	Off	Off

## GAIN SETTINGS

Gain (dB)	DIP Switch No.	
	1/12	2/11
40dB MM > 3mV	Off	Off
46dB MM 1-3mV	On	Off
60dB MC 0.4mV	Off	On
66dB MC 0.1mV	On	On