

## McLELLAND



### **UP-2.0** USB Phono Preamp/ Digital Recording Interface

The McLelland UP-2.0 phono preamp requires no additional drivers and no sound card, which can eternalize your analog and digital sources, such as Cassettes, Vinyl, Music instrument, DVD players. Simply connect it to your computer's USB port for recording with true-to-original sound and no quality loss. It delivers great sound and gives you a variety of options of where you route the audio.

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The new USB 2.0 audio driver technology ensures low-latency operation to a new level, which can support 48 / 44.1 KHz sampling rate for both playback and recording, and providing better performance for a better sound quality.

#### Features

- For all turntables with moving magnet (MM) cartridges or audio devices with line level (e.g. tape decks)
- External housing, reliably shielded against interference
- Audio recording takes place through USB
- No need to open the computer housing
- Top-quality circuit technology and components
- Built-in low-noise phono preamp circuit conforms to the RIAA standard
- Signal and peak LED
- No additional drivers required

#### Specifications

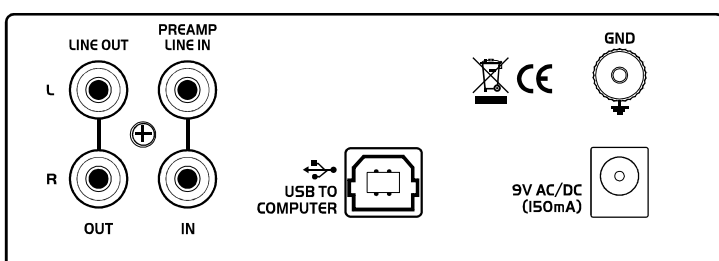
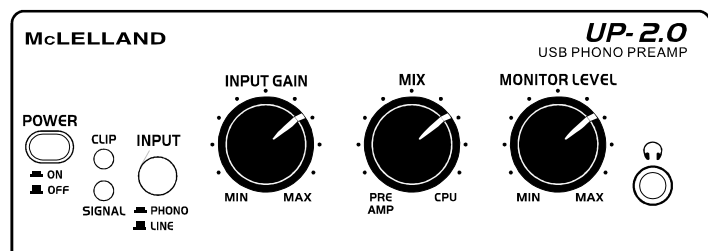
Frequency Response	10Hz ~20KHz, +/- .5dB
THD	0.01% Typical @ 1KHz
Hum and Noise	>89dB below clipping
Maximum Input Level	40mVrms @ 1KHz (phono), +19dBu (line)
Analog Output Connections	RCA (preamp line output), 1/8" Mini- Jack (USB monitor/headphone output)
A/D & D/A	16 bit, 44.1KHz or 48KHz USB selectable
Computer Interface	USB 2.0 compliant, Windows & Mac OS9.1 or newer
Power Requirements	9V AC @ 150mA, or USB bus powered
Dimensions	113mm x 73mm x 40mm

[www.mclllandmusic.com](http://www.mclllandmusic.com)

#### Mansion Industry Co., LTD

3FL, No.6 Szu Wei Lane, Chung Cheng Rd, Hsin-Tien City, Taiwan, R.O.C(231)

## UP-2.0 USB Phono Preamp/ Digital Recording Interface



Thank you for purchasing the MA series USB Phono Preamp!  
This will allow you to easily connect your turntable and any other stereo line level input to your computer via USB. We hope that you enjoy the flexibility and superb sound quality this preamp has to offer.

The USB PHONO PREAMP is a high quality phono and line level preamplifier with USB, connectivity issues can be resolved by selecting the "Phono" OR "Line" input switch on the face of the unit and then routing the outputs into the computer, stereo receiver, or recording equipment. Monitoring can be done through the mini jack on the face of the unit. The "Line" level inputs are suitable for any Tapes, CD, or other line level source that you might have. Finally, the "Phono" input section has a built in RIAA standard EQ curve for the most accurate playback and archiving of your records.

The USB PHONO PREAMP can be powered by either an external 9V-150 MA power source or directly off the USB port, making remote recording easy. It will work with the USB audio device drivers built into windows 98SE/ME/2000/XP and Apple OS9.1/OSX into windows 98SE/ME/2000/XP and Apple OS9.1/OSX computers with native USB support. No special drivers are needed. Inserting the USB PHONO PREAMP allows you to upgrade your portable or desktop audio interface in one quick and easy step.

### INSTALLATION

- Connect your turntable, tape player, CD player or other analog audio device leads to the RCA input connectors on the USB PHONO PREAMP.
  - If the turntable has a separate ground wire, attach it to the ground terminal on the USB PHONO PREAMP. This is to reduce hum. (Unnecessary for digital output turntables.)
  - Select "line" or "phono" input for the analog source type.
- Connect the USB PHONO PREAMP to the appropriate inputs on your computer.
- Determine the source of power to the USB PHONO PREAMP.
  - External power supply Connect the AC adaptor to the rear panel 9VAC/ DC jack and set the front panel power switch to "in" for external. The switch will glow to indicate power present.
  - USB Bus Power No external power or connection is necessary. Set front panel switch to "out for USB". The switch will glow to indicate USB power is present when the USB cable is connected to a live USB jack. NOTE: It is best to connect directly to a computer USB input or to a powered USB hub, to assure ample power for the USB PHONO PREAMP.
- The computer "Default Audio Device" setting must be set to connect to the USB phono preamp. Usually the computer will do this automatically whenever a USB device is first connected, but it is sometimes necessary to make the selection manually. The same settings may need to be made in the particular audio application that you are using as well. (Check your application instructions.) These settings should be made while the USB PHONO PREAMP is connected to the computer and powered on..Select the following sound recording (input) and playback (output) settings.

### WINDOWS 98:

Settings=> Control Panel=> multimedia.  
Choose the preferred device: "USB Audio Device"

### WINDOWS XP:

Settings=> Control Panel=> Sounds and Audio Devices=> Audio  
Choose the mixer device: "USB Audio Device"  
Or...  
Programs=> Accessories=> Entertainment=> Volume Control=> Options=>  
Properties  
Choose the mixer device: "USB Audio CODEC"

### MAC OS 9.1+:

Control panels=> Sound.  
Choose "USB Audio CODEC" for the input and output device.

### MAC OS 10+:

System Preferences=> Sound.  
Choose "USB Audio CODEC" for the input and output and Output device.

NOTE: After these settings are made, the computer will automatically reconfigure itself back to these settings every time the USB PHONO PREAMP is reconnected to the computer. If you prefer, you can have the computer output routed to your computer speakers instead of the USB PHONO PREAMP monitor output jack. By selecting your computer speakers for "OUTPUT" instead of "USB Audio Codec" in the above setup procedures. This must be done while the USB PHONO PREAMP is connected to the computer and powered on. The computer will then remember these settings every time the USB PHONO PREAMP is reconnected to the computer.

### RECORDING SOFTWARE

There is a multitude of computer recording software available today, some specializing in converting tape and old records to digital. We encourage you to do some research and find the best program that suits your needs.

To find links to a variety of computer audio applications  
Please go to:

[www.mcllellandmusic.com](http://www.mcllellandmusic.com)

As a simple system testing order to get started without any recording software on a PC, you can use windows Sound Recorder. This will allow you to transfer analog or digital audio to your computer in 60 second increments. These files can then be saved as WAV files.

On a Macintosh computer there are several standard sound applications to choose from depending on your machine Configuration. These include "Sound Studio", iMovie, and Garage Band. The recording time is limited only by your available hard drive space, and the file format options include AIFF, WAV, Mp3, AAC, Apple Lossless, MOV, Sound Designer II, And System 7 Sounds, depending on the program you are Using.

### WARRANTY INFORMATION

#### Limited Warranty

McLelland (MA) will provide warranty and service for this unit in accordance with the following warrants:

McLelland (MA) warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of one year from the date of purchase. McLelland will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory service department or authorized service center, accompanied by proof of purchase date in the form of a valid sales receipt.

#### Exclusions:

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. This warranty is void if the serial number is altered, defaced, or removed.

MA reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install the same on products previously manufactured.

MA shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may have other rights, which vary, from state to state.

MA maintains a policy of constant product improvement. MA reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install same on products previously manufactured. Therefore, specifications are subject to change without notice.

Mansion Industry Co., LTD  
3FL, No.6 Szu Wei Lane, Chung Cheng Rd, Hsin-Tlen City, Taiwan, R.O.C (231)  
Tel : 886-2-22189212  
Fax: 886-2-22187983  
[www.mcllellandmusic.com](http://www.mcllellandmusic.com)