

Pioneer DJM-1000

Pioneer

6 Channel 19 inch Mixer



Specifications (subjected to change until the product is released)

Sampling Rate	96 kHz
A/D, D/A Converters	24 bits
Headroom	19 dB
Cross talk (Line)	88 dB
Frequency Response	20Hz ~ 20kHz
Signal to Noise Ratio	95dB (CD/LINE)
	88dB (PHONO)
	84dB (MIC)

Total Harmonic Distortion	0.005% or less (CD/LINE)
Power Supply	AC 100V (50/60Hz)
Power Consumption	54W
Dimensions	428(W) x 363.5(D) x 187.5(H) mm 19 (W) x 14-5/16 (D) x 7-3/8 (H) 19', 6 unit for the mixer, 1 unit for connectors.
Net Weight	12.1 kg / 26 lb 11 oz
Input Specs & Terminals	
Digital	4 x (RCA) / Coaxial 2 x Mini Din Digital Link Connectors (AUDIO)
CD/Line	6 x (RCA) and 4x (Phone Jack 6.3mm) 12 dBu / 22k
Phono	6 x (RCA) -52dBu / 47k
Mic / Sub Mic	1 x(Combi Phone/XLR) & 2x(Phone Jack 6.3) -52dBu / 3k
Return	2 x (Phone Jack 6.3mm) -12dBu / 22k
Output Specs & Terminals	
Master Out 1	1 x (XLR) +2 dBu / 600 Ohm
Master Out 2	1 x (RCA) +2 dBu / 10k
Booth	1 x (Phone Jack 6.3mm) +2dBu / 600 Ohm
Record	1 x (RCA) -8dBu / 10k
Send	2 x (RCA) -12 dBu / 10k
Midi Out	1 x (5 pin DIN)
Headphone Monitor Out	1 x (Phone Jack 6.3mm) +8.5 dBu / 32 Ohm

The Pioneer DJM-1000 is a 6-channel 19' robust installation grade mixer with the highest quality digital audio, enhanced functionality and intuitive design. It's the result of extensive industry research and development with world-renowned DJs, club technicians and installation engineers.

Pioneer's heritage in digital technology has been used to create a high-grade digital audio path for the DJM1000. The mixer has a 24-bit/96kHz digital sampling rate and a 32-bit/96kHz digital sound processor. The DJM-1000's digital input-output signal path allows for transparent signal processing of Pioneer's CDJ and DVJ series of digital decks, ensuring the best possible sound quality.

Analogue input signals are also digitized by a high quality A/D converter and mixed without any deterioration to the audio. The unit has a rigid chassis to minimize vibrations and a high performance power supply to produce a clear, powerful sound.

The DJM-1000 employs Pioneer's expertise in audio technology to create a high-end reference audio mixer that is easily connected to traditional DJ equipment as well as other digital devices like samplers, effectors and digital turntables - giving professional DJs uncompromised performance and the flexibility to perform the best possible sets.

The DJM-1000 is also designed to integrate easily with the new Pioneer EFX-1000 Effector along with future Pioneer Pro-DJ products. It even has the possibility to connect to two of them on their own Send and Return. All will share the same high quality sound and can be controlled via digital links to give even greater variety to a DJ's performance.

"In complete honesty the Pioneer DJM1000 is the best all round mixer I've ever used. The problem I've had with mixers in the past is that there has never been one that has it all just right for me. The perfect mixer was always a cross between two or three different mixers.

What makes a good mixer is a number of things and this has them all. Awesome sound, tank style build, two send and returns for separate FX units which can both be digitally linked and controlled by the cross-fader which also boasts complete curve control.

At last someone has made a mixer I'd be happy to use in any situation. Whether it's DVJ'ing, Effecting, Scratching or fluid beat matching this is the all round winner."

James Zabiela, DJ.

Digital Link System

Pioneer developed a new connection protocol to connect Audio and Visual mix equipment with each other. The basic idea behind it is that the DJM-1000 can be used as a fully Digital 24 bit/96kHz Control Center for all hooked up device like Audio and Video Effectors/Mixers that support the Digital Link.

Visual

When this button is activated and a video mixer is connected that supports Digital Link, the Cross Fader of the DJM-1000 can be used to control video transitions. You can still select all build-in effects and transitions of the Video Mixer, but now you control the transition with the Cross Fader. The button will be white illuminated when activated.



Sound 1/2

When the DJM-1000 is connected with Digital Link to a CD Player (Will be released by Pioneer in the future) AND an Effector (Pioneer EFX-1000) the whole system can utilize all BPM synced functions. These buttons will be blue illuminated when activated.

EFX 1/2

When the DJM-1000 is connected with Digital Link with an Effector (EFX-1000) you can use all Fader Function of the EFX-1000. The button will be blue illuminated when activated.

Inputs/Control Channel 1-6

The DJM-1000 has a total of **24 inputs**, each of the 6 channels can select: 2 Line Inputs, 1 Digital input and a Phono (Turntable) Input!

12 Line or CD Players

6 Phono (6 Decks... Let the battles begin)

4 Coaxial Digital Inputs (This is where to connect the CDJ-800/1000)

2 Digital Link

2 Effects each on a separate Send/Return

1 Microphone



Gain Trim

The Gain Trim has a range from infinite (silent) to +9db. The most optimal setting of the Trim is around 12 O'clock (0dB).

DJ Tip:

Do yourselves (and all sound engineers) a favor and keep the master VU-meter reading out of the red. This is the way to gain maximum benefits out of the sound quality of a mixer (Maximizes Signal-to-Noise level).

This is not only for Pioneer mixers, but also is valid to all DJ mixers.

Most sound systems in clubs and at events are set-up for a signal around 0dB. If you push it to far, most likely a compressor will ruin you sound or you speakers.



Channel EQ Range

Fader Curve Adjustment

The Channel Faders and the Cross Fader have their own curves that can be adjusted at the rotation of the knob you see here. These are located to the left corner of the mixer. The Channel Fader Curve adjust the curves of all the 6 faders at the same time so all channels have the same curve.

When making adjustments to the Channel Fader Curve you control the curve in 17 steps according the chart you see illustrated here.

The straight line is the curve that Pioneer has used in their DJM-600s, also called a linear curve.

Some other brands have faders that follow a logarithmical curve, this is a setting that fits better to the human hearing than a linear curve.

Each of both curves have their own sound and benefits Now you can make your own choice. I think you regularly have this somewhere in between both extremes. But if you want you can change your setting for each transition you make.

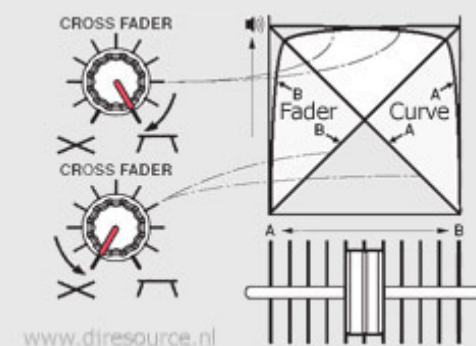
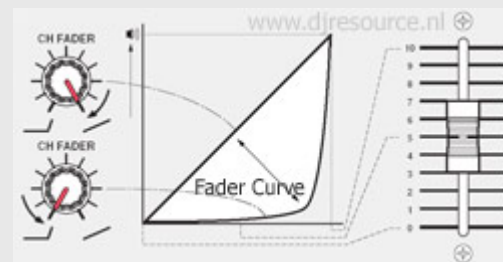
Cross Fader Curve Adjust

Also the Cross Fader Curve can be adjusted to your own wishes in 17 steps. You make a setting between a gentle cross fade when rotated to the left, or make the Cross Fader reaction like a quick chopper by rotating to the right.

Cross Fader Assign

Each channel can individually be assigned to one of the sides of the Cross Fader a safely deep laying switch which prevent accidental activation.

Different colors of LED's will light up if a channel is assigned to any side of the Cross Fader. At the same time the LED on that particular side of the Cross Fader will light up as well. If at least one channel is assigned to a side of the Cross Fader the LED will be lit. When no channels are assigned to the Cross Fader these LED's will be off.





Send and Returns

The DJM-1000 has 2 individual Send and Return, each with their own settings and level.

Cue

You can pre-view the signal that is coming back on the Return by pressing the CUE button. The button will light up (just as all other Cue Buttons) when activated. A low level illumination makes sure that you'll find the Cue Button in a dark environment.

Assign Switch

Each of the Send and Returns can be assigned to any of the 6 Channels, the Microphone) input or the Master.

Level Adjust

With the Level you can adjust the Return level of the effect. You could always output on you Effector at 0dB.

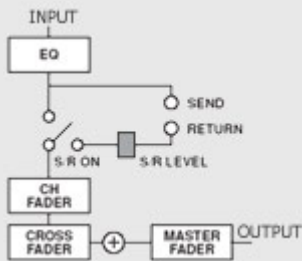
On/Off

Button to toggle the Send and Return on and off. When toggle ON the button will flash, giving you a clear indication the something is happening.

Routing the Send and Return

Both Send and Returns can also be set Pre-Fader, Post-Fader or as Auxiliary individually. The best way to describe what this does is reading these block diagrams:

Pre-Fader



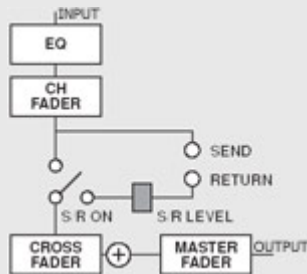
The S/R is inserted before the Channel Faders.

When you close the Channel and/or Cross Fader you also lower the volume of the effect.

I.e. when using a delay, you don't hear the delayed sound when you've closed the Fader.

This setting is best used when performing Sound Manipulating (equalizing) effects.

Post-Fader

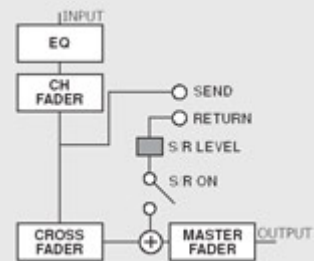


The S/R is inserted after the Channel Faders. When closing the Channel Fader you lower the volume of the channel, but the signal on the Return is not affected.

I.e. when using an Echo, the original signal is lowered, but this has a delayed effect on the Echo.

Even when you close the fader the echo keeps hearable until it has ended.

Aux Type



The S/R is inserted after all Channel and Cross Faders but is also mixed via the Cross Fader (if assigned) with the original signal.

This gives you even more possibilities to connect devices and effects.



Mic Input

The Primary Microphone Input features a combi connector that makes it possible to insert a microphone with a Jack or and XLR type connector. Most professional microphones have an XLR type connector, that give a more reliable connection than with a Jack Phone type connector. Phantom power is not supplied so you can only use dynamic microphones, but that is main type of microphone.

Microphone Level

You can set the level of the microphone in the range from infinite (not hearable/muted) to 0dB.

Microphone EQ

Bass	-6 ~ +6 dB (100 Hz)
Treble	-6 ~ +6 dB (10 kHz)

Microphone Selector

With this switch in the most left position (**OFF**) the microphone signal is muted and not hearable on the master. The same effect as if the Mic Level is set to infinite.

When set to the center position (**ON**) that microphone signal is mixed with the Master, the level is set by the Mic Level rotary.

The most right position (**TALK OVER**) activates an input controlled mute, also called Talk Over. When a sound is detected on the Microphone Input higher than -15dB all channels will be attenuated with -20dB.

Isolator

The Isolator rotaries need to be activated by this button before changes take effect. When activated the button will be red illuminated

The large aluminum knobs can kill each bandwidth until a total Kill (minus infinite dB)

Booth Monitor

Beside the Booth Level you now also have an EQ for you monitors.

Bass	-6 ~ +6 dB (100 Hz)
Treble	-6 ~ +6 dB (10 kHz)

Headphones

All the usual features in Pioneer DJM-600 layout. With the switch you can split your headphones so that you have the Master Signal (if Cue Button on the Master Channel is activated) on the Left Side and the other Cue-ed Channels on the Right Side of your headphones.

FADER START



www.djresource.nl

Fader start

All channel have an individual button to activate or deactivate the Fader Start control to the CD player that you might have connected.

The button with the number of the channel will be lit up when Fader Start is activated for that channel.





Close-Ups