

M-16DX 16-Channel Digital Mixer



Using the M-16DX with Ableton Live

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M16DXWS12

About the Workshop Booklets

The EDIROL M-16DX 16-Channel Digital Mixer delivers the power of digital mixing to musicians at an incredibly affordable price. This crystal-clear 24-bit digital mixer supports sample rates up to 96 kHz, and it's extremely flexible, with a wide range of analog and digital inputs and outputs, and effects. The M-16DX's USB connectivity makes it an ideal partner for a computer-based digital audio workstation, and features such as its pro EQ and the innovative Room Acoustic Control make it an excellent live mixer as well.

Each M-16DX Workshop Series booklet focuses on one M-16DX topic, and is intended as a companion to the *M-16DX Owner's Manual*.

The M-16DX Workshop booklets require M-16DX O.S. Version 2.00 or higher. You can download the latest O.S. for free from www.RolandUS.com/EDIROL.

About This Booklet

The M-16DX makes a great companion to a digital audio workstation—or “DAW”—on a personal computer. To learn the basics of using the M-16DX with a DAW, see the Workshop booklet *Using the M-16DX with a DAW*. Then come back here for specific instructions on using the M-16DX with Ableton Live™.



We'll assume you know how to operate Live—otherwise, consult Live's built-in documentation in its Help menu. We'll also assume the M-16DX is connected to your computer, and that they're both powered-up.

Understanding the Symbols in This Booklet

Throughout this booklet, you'll come across information that deserves special attention—that's the reason it's labeled with one of the following symbols.



A note is something that adds information about the topic at hand.



A tip offers suggestions for using the feature being discussed.



Warnings contain important information that can help you avoid possible damage to your equipment, your data, or yourself.

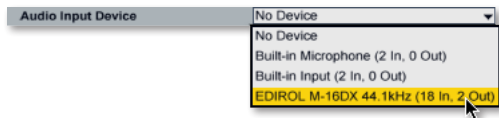
Configuring Live's Audio Preferences

Selecting the M-16DX for Audio

- 1 From the Live menu, select **Preferences...** and click Audio along the left edge of the Preferences window to open the Audio tab.



- From the Audio Input Device popup menu, select **EDIROL M-16DX** [the M-16DX's current sample rate] (18 In, 2 Out).



- From the Audio Output Device popup, select **EDIROL M-16DX** [the M-16DX's current sample rate] (18 In, 2 Out).



Live's sample rate is set by the M-16DX. To use another sample rate, close Live's Preferences window, set the M-16DX as desired—see the *Using the M-16DX with a DAW Workshop* booklet for details—and then repeat Steps 1-3 above.



Live has an easy-to-use system for setting the optimal buffer size, a key element in smooth audio-recording operations. To learn about it, see the “Audio I-O” section of Live's built-in Lessons tab.

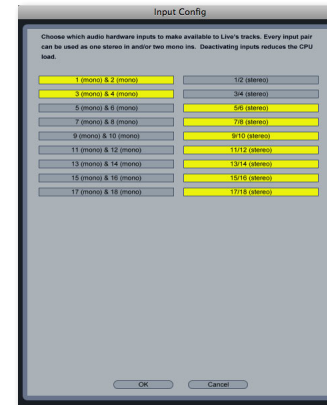
Turning on the Desired M-16DX Inputs and Outputs

- In the Audio tab, click the Input Config button.

Input Config

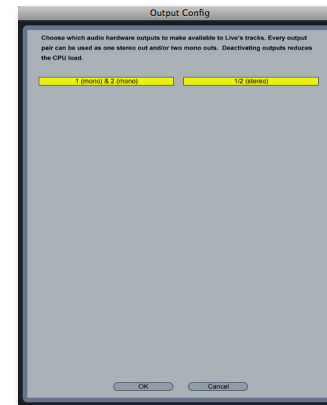
In this window, you turn on or off the desired M-16DX inputs by clicking them. They're shown as single mono inputs on the left, and stereo pairs on the right.

As Live's onscreen text says, the fewer inputs you turn on, the less the strain on your computer, so it makes sense to set this screen up the way you're likely to want to work. (You can always change it later, of course.) The screenshot below shows a sensible selection: All of the M-16DX's mono input channels are turned on in mono, and all of the stereo inputs are turned on in stereo.



- Set the Input Config window as desired and click OK.
- There's usually no need to manually set the output configuration, but you may want to check it by clicking Output Config.

Output Config

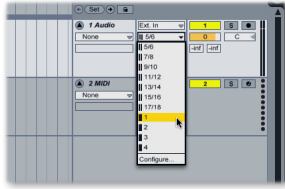


- If it's not already set as shown above, click whichever box is dark gray to turn both boxes on.
- Click OK when you're done.
- Close the Preferences window.

Setting Up a Track for Recording

Selecting Audio to Record

- 1 Display the input-selection popup menu by clicking and holding on the input area of the track you want to record.



- 2 Select the desired mono or stereo M-16DX input. (In Live, any track can be either mono or stereo—just select the type of input you want to use.)



Only select Input Channels 13/14 or 17/18 when the M-16DX's USB button isn't lit to avoid feedback.



There's no need to configure the track's output unless you have special needs. Each track's output is automatically set to Master, which sends its audio to the M-16DX.

Turn Off Software Monitoring

- 1 Set the track's Monitor section to **Off** so you're listening to the audio you're recording directly through the M-16DX.



As we noted in the *Using the M-16DX with a DAW Workshop* booklet, you do have the option of listening through Live if you want to hear its effects as you record—set the Monitor section to **Auto** or **In**, as explained in the *Live User Manual*. However, since you'll encounter latency doing this, we recommend listening directly through the M-16DX.

Troubleshooting

If you experience problems recording or playing back audio, Live's built-in owner's manual can provide insights that can help you solve your problem. See Chapter 25, "Computer Resources and Strategies." In addition, raising the Audio Buffer size in the M-16DX's control panel may also help, though it may also increase latency if you're working with soft synths in Live.

The End

We hope you've found this workshop helpful. You'll find other M-16DX Workshop booklets available for downloading at www.RolandUS.com/EDIROL.