iLov DeepMind

Max for Live device

The DeepMind 6, 12 and 12D are the Behringer's first incursion into the world of synthesizers. This Analog 12-Voice Polyphonic Synthesizer (6 for the DM 6) owes a lot to the famous Roland Juno 106, but it goes way beyond with the addition of FX engines, an 8-channel modulation matrix, a 32-step sequencer, an arpeggiator…

iLov Deepmind is a Max For Live device designed to easily control all parameters of your Behringer DeepMind 6, 12 or 12D synthesizer in Ableton Live and also offers a powerful randomizer generator.

Creating, editing, and saving your sounds become child's play.

Recommended System Requirements:

Behringer DeepMind 6, 12 or 12D synthesizer
Ableton Live 10 or higher.
Max For Live with Max 7.3.4 or higher.
OSX or Windows.
Note: USB is advised for a better connection.

Installation:

Put iLovDeepMind amxd file in the Max MIDI Effect folder:

MacOS: Macintosh HD/ Users / [username] / Music / Ableton / User Library / Presets / MIDI Effects / Max MIDI Effect

Windows: \ Users \ [username] \ Documents \ Ableton \ User Library \ Presets\ MIDI Effects \ Max MIDI Effect

Or simply drag iLovDeepMind amxd file onto midi track and, in the device windows upper right corner, click to save, press enter as the name is highlighted in the browser and Ableton will place it in its respective Max For Live midi instrument.

Behringer DeepMind 6/12/12D configuration:

Set the following parameter on your hardware synthesizer :

- Global / USB SETTINGS / USB-CTRL: Nrpn

Overview:

Like the Behringer DeepMind synthesizers, the iLov DeepMind Max For Live editor is divided into different sections. Two menus provide access to all these sections

On the left side, the programs manager.

The first menu gives access to the Oscillators, Poly, LFO's, VCF, VCA and Modulation sections.

The second menu gives access to the Arpeggiator, Sequencer and Effect sections in the expandable part.

Program manager:

○ The **OPEN FILE** button opens a window that let you load one of the saved patches in your computer and send it to the Behringer DeepMind 6/12/12D.

○ The **SAVE FILE** button opens a window that let you save the current sound program to the computer.

Pattern editor settings are not saved to file.

Save pattern as a user first in the Behringer DeepMind.

○ The **INI** button initializes all parameter values of the Behringer DeepMind to the default program.
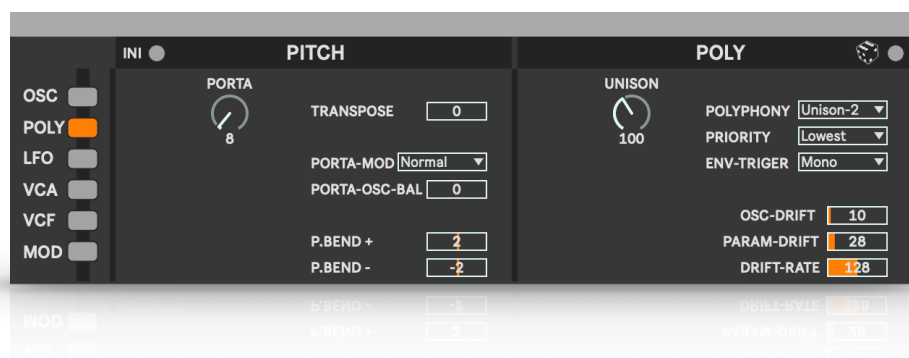
○ The **Smart randomization** button selects the randomization mode :

SOFT will generates values close to current parameter values.

A SOFT randomization will create a slight "variation" in the sound of the current program.

FULL will generate completely new parameter values.

○ The main **DIE** button randomizes parameter values in all ticked sections (among OSC, POLY, LFO, VCA, VCF, MOD and FX sections). Select them by clicking at the top right sections.

It is also possible to randomize sections one by one by clicking on the small dices at the top right of each section.

⚠️ Be careful with your audio monitors, **FULL** randomization can be surprising !

○ In the **display**, see and edit the program name (scroll up and down letters), browse programs of the selected bank with **< >** buttons, and, edit the category (**SEND** data to DeepMind 6/12/12D after editing program name to update it).

○ The **GET** button dumps data from DeepMind 6/12/12D into the iLov DeepMind editor.

Pattern editor settings are not dumped.

Use Get button in the **ARP** section to dump pattern settings data.

⚠️ In Ableton Live, Arm Recording button of the midi track must be "on" to get values from your Behringer DeepMind 6/12/12D.

⚠️ If you select another sound on your Behringer DeepMind 6/12/12D, remember to clic **GET** to edit this.

○ The **SEND** button sends data for all parameters from iLov DeepMind to DeepMind 6/12/12D.

OSC section:

- The **OSC** section contains all the parameters for both oscillators and the noise generator.

- The **INI** button initializes the default values of the parameters in the **OSC** section.

- The small **DIE** button randomizes the parameter values in the **OSC** section. Select the randomization mode before in the program manager.
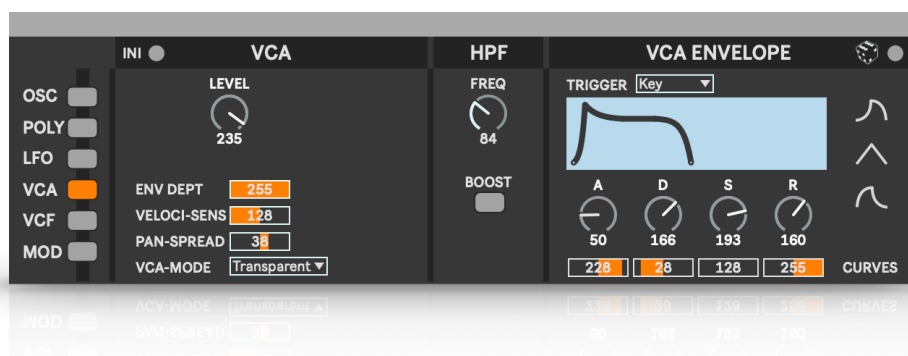
POLY Section:

- The **POLY** section contains all settings related to the pitch, polyphony and poly chain operations.

- The **INI** button initializes the default values of all POLY section parameters.

- The small **DIE** button randomizes the parameter values in the POLY section. Select the randomization mode in the program manager.

LFO section:

○ The **LFO** section contains all settings related to the two LFO's.

○ The **INI** initializes the default values of all LFO section parameters.

○ The small **DIE** button randomizes the parameter values in the LFO section. Select the randomization mode in the program manager.
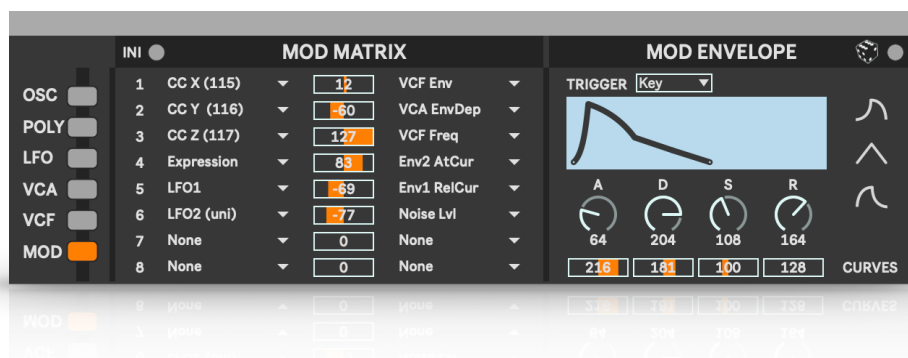
VCA section:

○ The **VCA** section contains all settings related to the VCA, HPF and VCA Envelope.

○ The **INI** button initializes the default values of all VCA section parameters.

○ The small **DIE** button randomizes the parameter values in the VCA section. Select the randomization mode in the program manager.

VCF section:

○ The **VCF** section contains all settings related to the VCF and VCF Envelope.

○ The **INI** button initializes the default values of all VCF section parameters.

○ The small **DIE** button randomizes the parameter values in the VCF section. Select the randomization mode in the program manager.

MOD section:

○ The **MOD** section contains all settings related to the **MOD**ulation **MATRIX**.

○ The **INI** button initializes the default values of all MOD section parameters.

○ The small **DIE** button randomizes the parameter values in the MOD section. Select the randomization mode in the program manager.
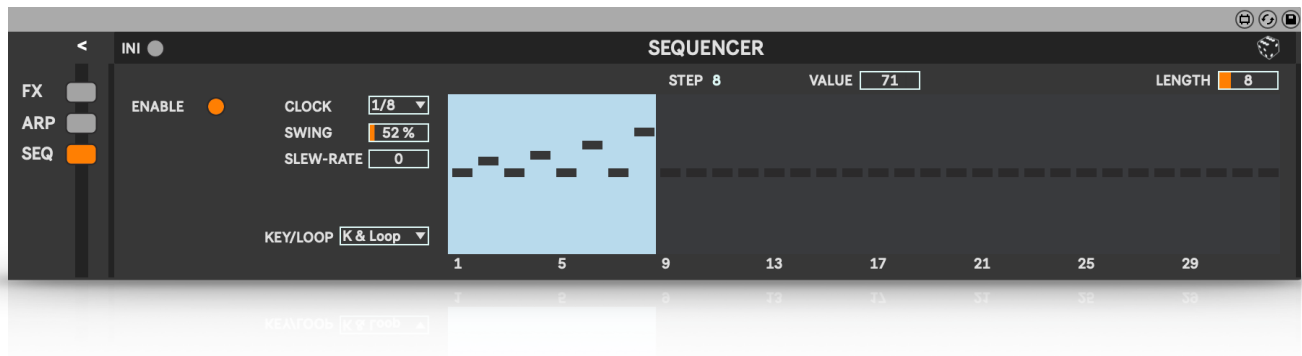
EFFECT section:

○ The **EFFECT** section provides access to all parameters of the four multi-effects processors.

○ The first part shows the **FX** overview menu. The second and third parts shows the **FX** pages with FX parameters.

○ In the **overview FX** part, the **INI** button initializes the default values of the entire EFFECT section (no effect). The small **DIE** button randomizes the parameter values.

○ In the **FX pages**, the **INI** buttons initialize the default values of all showed effects parameters. The small **DICE** buttons randomize all parameter values of the showed effects. Select the randomization mode in the program manager.

ARP section:

- The **ARP** section contains all parameters related to the internal Arpeggiator.

- **VELOCITY** displays the Pattern velocity for each step, **GATE** displays the Pattern gate time for each step.

- The **GET** button dumps current Arpeggiator Pattern data from DeepMind 6/12/12D into the iLov DeepMind editor.

- The **GROUP** button allows to edit all steps of the pattern simultaneously.

- The **INI** button initializes the default values of all ARPEGGIATOR section parameters.

- The small **DIE** button randomizes the parameter values in the ARPEGGIATOR section. Select the randomization mode in the program manager.

SEQ section :

- The **SEQ** section controls all parameters related to the internal Step Sequencer

- The **INI** button initializes the default values of the SEQ section parameters.

- The small **DIE** button randomizes the parameter values in the SEQ section. Select the randomization mode in the program manager.

iLov DeepMind midi automation controls:

- Volume, ModWheel, Breath Ctrl, Foot Ctrl, CC115, CC116, CC117 and Expression can be used as midi automation in Ableton Live.

- In the **MOD MATRIX** section, assign CC115, CC116 and CC117 controls as sources to automate any of the destination parameters.

iLov DeepMind Push controls:

	1	2	3	4	5	6	7	8
iLov Deep Mind	Volume	Mod Wheel	Breath Ctrl	Foot Ctrl	CC115	CC116	CC117	Express

Tips:

○ When launching an Ableton live session, iLov DeepMind midi device automatically send all data to the DeepMind 6/12/12D provided that the synthesizer is already on, properly midi connected and configured in Ableton.
In another way you can send data by clicking **SEND** on iLov DeepMind device to transmit data to your Behringer synthesizer.

○ If a midi track is muted, no transmission can be possible. Try to save the session with the midi tracks unmuted in order to ensure the automatic send when reloading.

○ If another midi device is used on a same midi track (e.g. a midi delay), this may stop the data transmission. Switch off this midi device in order to make manipulations through iLov DeepMind.

Troubleshooting:

○ Due to a bug in the DeepMind operating system, VCA Mode parameter is not properly transmitted when **GET**ting data.

○ Sometimes data **SEND** may fail when using a session reimported from older versions of Ableton Live. Work around the issue by saving the current program to computer in order to recall it in the Ableton session.

Support :

If you need help, have question or if you have encountered any problem using iLov DeepMind, you can reach support at info@ilovmachines.com

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