AKAI
professional

PROGRAM DOCUMENTATION

TABLE OF CONTENTS

SOFTWARE	NOTES
Live	This Program is designed to be used with Ableton Live. (MAX49 comes with Ableton Live Lite Akai Edition.)
Reason	For use with Propellerhead Reason. This Program supports the Reason Remote protocol with supplied codec files, which you may need to install. Each module in Reason will automatically map itself to MAX49's controllers. This allows you to use a single MAX49 preset to control all of the modules in Reason.
Cubase	For use with Steinberg Cubase.
Logic Pro	For use with Apple Logic Pro.
FL Studio	For use with Image-Line FL Studio.
GURU	For use with FXpansion's GURU.
Pro Tools	For use with Pro Tools.
GM Drums	A standard General MIDI drum and controller mapping, ideal for general drum use.
Chrmatic	A general mapping in which MAX49's PADS use a chromatic scale.
Generic	User Programs – for your own use!

The included Programs are intended to be a starting point for your use. You can easily edit and store your own Programs (see the EDIT MODE section of the included MAX49 Quickstart Guide). The software mentioned in this manual allows incredible amounts of control with MAX49. By using multiple MIDI channels, controllers, pad modes and program changes, you can easily create some incredible music.

Enjoy!

The Akai Professional Team

Ableton Live 3

Setup

To install and use the Live controller map, follow these instructions:

1. Download the Ableton Live controller map to your computer from the included CD or from **www.akaipro.com/max49**.

2. With Live closed, copy the entire **MAX49** folder (the folder itself, not just its contents) to the following location in your computer:

   Windows 7 or Windows Vista:
   C:\Users\[YourUserName]\AppData\Roaming\Ableton\Live [VersionNumber]\Preferences\User Remote Scripts
   *Note: The **AppData** folder is a hidden folder. To make this folder visible:*
   1. *On your PC, open **Computer**.*
   2. *Select the **Organize** menu at the top of the window, and choose **Folder and search options**.*
   3. *In the window that opens, select the **View** tab.*
   4. *Scroll down, locate, and select **Show hidden files and folders**.*
   5. *Click **Apply**, then **OK**.*

   Windows XP:
   C:\Documents and Settings\[YourUserName]\Application Data\Ableton\Live [VersionNumber]\Preferences\User Remote Scripts
   *Note: The **Application Data** folder is a hidden folder. To make this folder visible:*
   1. *On your PC, open **My Computer**.*
   2. *Select the **Tools** menu at the top of the screen, and choose **Folder Options**.*
   3. *In the window that opens, select the **View** tab.*
   4. *Scroll down, locate, and select **Show hidden files and folders**.*
   5. *Click **Apply**, then **OK**.*

   Mac
   Macintosh HD ▶ Users ▶ [YourUserName] ▶ Library ▶ Preferences ▶ Ableton ▶ Live [VersionNumber] ▶ User Remote Scripts

3. Connect MAX49 to your computer with the included USB cable. Open Ableton Live.

4. On MAX49, select the **Live** or **LiveKS** Program. Press the VALUE DIAL to load it.
   Note: If you have edited MAX49's Programs and are unable to load the Program, use the supplied Vyzex editor to load the Factory Preset Bank and "PUT" or download the factory preset bank into MAX49.

5. Open Live's **Preferences** window.
   Windows: Options ▶ Preferences.
   Mac: Live Menu ▶ Preferences.

6. Select the **MIDI Sync** tab on the left-hand side.

7. Select MAX49 as the Control Surface.
   Windows: Set the **Control Surface** to **MAX49** and set the **Input** and **Output** to **USB Audio Device**.
   Mac: Set the **Control Surface**, **Input**, and **Output** to **MAX49**.
   *Note: MAX49 will be the last item in the **Control Surface** drop-down menu.*

8. Under **MIDI Ports**, next to **Input**, set the **Track** and **Remote** settings to **On**. This allows Live to accept Track and Remote MIDI from MAX49.

9. Close the **Preferences** window.

Live

When using MAX49's Live Program, the controls' behavior is as follows:

TRANSPORT CONTROLS (Play, Stop, Rec, etc.): These controls are set to **MIDI CC**, so they will work accordingly in the software.

BANK 1-8:

> **TOUCH FADERS:** These control various parameters in your software Devices (Instruments, Audio Effects, etc.).
> **S-SWITCHES:** These switch the TOUCH FADERS between various "banks" so you can control different sets of parameters within that Device.

BANK 9-16:

> **TOUCH FADERS:** These control the volume level of Tracks 1-8.
> **S-SWITCHES:** These record-arm Tracks 1-8.

BANK 17-24:

> **TOUCH FADERS:** These control the Send A levels of Tracks 1-8.
> **S-SWITCHES:** These record-arm Tracks 1-8.

BANK 25-32:

> **TOUCH FADERS:** These control the Send B levels of Tracks 1-8.
> **S-SWITCHES:** These record-arm Tracks 1-8.

Note: [SEQ CC] is set to MIDI CC #74, so MAX49 will send CC #74 anytime its Sequencer is on. You can change the CC# in Edit Mode. See the EDIT MODE section of the included MAX49 Quickstart Guide.

LiveKS

This Program is almost the same as the Live Program described above, but this version allows you to turn MAX49's Sequencer on/off by pressing keys on its KEYBOARD. To do this:

1. Press SEQ SELECT so it is lit.
2. Press ON/OFF so it is lit.
3. Press and hold a key on MAX49's KEYBOARD. The Sequence will play (in that key) while the key is being held. When you release the key, the Sequence will stop.

    Note: (To "latch" the Sequencer, press [LATCH] so it is lit. When this button is activated, Sequencer playback will continue even after the key is released.)

Propellerhead Reason

Reason allows for vast control of its parameters. Propellerhead Software has developed a way to remap a single control surface to each of the modules in Reason. This protocol is called Reason Remote. We have included all the files necessary to enable Reason to find MAX49 and map its controls to whatever module you have selected in the sequencer.

Setup

1. Install the MAX49/Reason preset file.

    Note: You must have the following version of Reason:
    *   **Windows 7/Vista/XP:** Version 3.0.4 (or later)
    *   **Mac:** Reason Version 3.0.5 (or later)

    Windows 7/Vista
    1. Double-click the **Computer** icon on the desktop, then double-click **Local Disk (C:).**
    2. Towards the upper-left of the window, select the **Organize** menu, and choose **Folder** and **Search Options**.
    3. At the top of the window that opens, select the **View** tab.
    4. In the list titled **Advanced settings**, double-click the **Show hidden files and folders** option.
    5. Click **Apply**, then click **OK**. The **Folder Options** window will close.
    6. The **Akai Reason Remote Files** folder (on the included CD) contains two folders: **Lua Codecs** and **Maps.** Open the **Lua Codecs** folder.
    7. Copy the folder titled **Akai** into the following directory on your computer: **C:\Program Data\Propellerhead Software\Remote\Codecs\Lua Codecs.**
    8. Next, in the **Akai Reason Remote Files** folder, open the folder titled **Maps**
    9. Copy the **AkaiMAX49_100** file to the following directory on your computer: **C:\Program Data\Propellerhead Software\Remote\Maps.**
    10. Connect MAX49 to your computer with the included USB cable.
    11. Open Reason and select the **Edit** menu from the top of the screen, and open **Preferences**.
    12. Using the pull-down menu at the top of the **Preferences** window, choose **Control Surfaces And Keyboards**.
    13. Click the **Add** button.
    14. Select **Akai** from the **Manufacturer** list.
    15. Set the **In Port** to **USB Audio Device.**
    16. Set the **Out Port** to **USB Audio Device.**
    17. Click **Ok** and then close the **Preferences** window.

    Windows XP
    1. The **Akai Reason Remote Files** folder (on the included CD) contains two folders: **Lua Codecs** and **Maps**. Open the **Lua Codecs** folder.
    2. Copy the folder titled **Akai** into the following directory on your computer: **C:\Documents and settings\All Users\Application Data\Propellerhead Software\Remote\Codecs\Lua Codecs.**
    3. Next, in the **Akai Reason Remote Files** folder, open the folder titled **Maps.**
    4. Copy the **AkaiMAX49_100** file to the following directory on your computer: **C:\Documents and settings\All Users\Application Data\Propellerhead Software\Remote\Maps.**
    5. Connect MAX49 to your computer with the included USB cable.
    6. Open Reason and select the **Edit** menu from the top of the screen, and open **Preferences**.
    7. Using the pull-down menu at the top of the **Preferences** window, choose **Control Surfaces And Keyboards**.
    8. Click the **Add** button.
    9. Select **Akai** from the **Manufacturer** list.
    10. Set the **In Port** to **USB Audio Device.**
    11. Set the **Out Port** to **USB Audio Device.**
    12. Click **Ok** and then close the **Preferences** window.

Macintosh
1. The **Akai Reason Remote Files** folder (the same folder where you found this guide) contains two folders: **Lua Codecs** and **Maps**. Open the **Lua Codecs** folder.
2. Copy the folder titled **Akai** into the following directory on your computer: **Macintosh HD\Library\Application Support\Propellerhead Software\Remote\CODECS\LUA CODECS.**
3. Next, in the **Akai Reason Remote Files** folder, open the folder titled **Maps.**
4. Copy the **AkaiMAX49_100** folder to the following directory on your computer: **Macintosh HD\Library\Application Support\Propellerhead Software\Remote\Maps.**
5. Connect MAX49 to your computer with the included USB cable.
6. Open Reason and select the **Edit** menu from the top of the screen, and open **Preferences**.
7. Using the pull-down menu at the top of the Preferences window, choose **Control Surfaces And Keyboards**.
8. Click the **Add** button.
9. Select **Akai** from the Manufacturer list.
10. Set the **In Port** to **Akai MAX49 Port 1.**
11. Set the **Out Port** to **Akai MAX49 Port 1.**
12. Click **Ok** and then close the **Preferences** window.

2. On MAX49, select the **Reason** or **ReasonKS** Program. Press the VALUE DIAL to load it.
   Note: If you have edited MAX49's Programs and are unable to load the Program, use the supplied Vyzex editor to load the Factory Preset Bank and "PUT" or download the factory preset bank into MAX49.

Reason

To see how the MAX49 controls are mapped to each module in Reason, please refer to the tables on the following pages. You can always change how controllers are mapped by modifying the **MAX49.remotemap** file. This will allow you to customize how Reason and your MAX49 work.

ReasonKS

This Program is almost the same as the Reason Program described above, but this version allows you to turn MAX49's Sequencer on/off by pressing keys on its KEYBOARD. To do this:

1. Press SEQ SELECT so it is lit.
2. Press ON/OFF so it is lit.
3. Press and hold a key on MAX49's KEYBOARD. The Sequence will play (in that key) while the key is being held. When you release the key, the Sequence will stop.
   Note: (To "latch" the Sequencer, press [LATCH] so it is lit. When this button is activated, Sequencer playback will continue even after the key is released.)

Reason/MAX49 Mappings

<table>
<tr><th colspan="2">::: GLOBAL CONTROLLERS :::</th></tr>
<tr><th>MAX49 CONTROL</th><th>REASON FUNCTION</th></tr>
<tr><td>Stop</td><td>Stop</td></tr>
<tr><td>Play</td><td>Play</td></tr>
<tr><td>Record</td><td>Record</td></tr>
<tr><td>Switch 7</td><td>Device Select Up</td></tr>
<tr><td>Switch 8</td><td>Device Select Down</td></tr>
<tr><td>Switch 15</td><td>Program Down</td></tr>
<tr><td>Switch 16</td><td>Program Up</td></tr>
</table>

<table>
<tr><th colspan="2">::: MASTER KEYBOARD :::</th></tr>
<tr><th>MAX49 CONTROL</th><th>REASON FUNCTION</th></tr>
<tr><td>Keyboard</td><td>Keyboard</td></tr>
<tr><td>Pitch Bend</td><td>Pitch Bend</td></tr>
<tr><td>Mod Wheel</td><td>Mod Wheel</td></tr>
<tr><td>Expression</td><td>Expression</td></tr>
</table>

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MAX49 CONTROL	REASON FUNCTION
Fader 1	Channel 1 Level
Fader 2	Channel 2 Level
Fader 3	Channel 3 Level
Fader 4	Channel 4 Level
Fader 5	Channel 5 Level
Fader 6	Channel 6 Level
Fader 7	
Fader 8	Master Level

MAX49 CONTROL	REASON FUNCTION
Switch 1	Channel 1 Mute
Switch 2	Channel 2 Mute
Switch 3	Channel 3 Mute
Switch 4	Channel 4 Mute
Switch 5	Channel 5 Mute
Switch 6	Channel 6 Mute
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Fader 9	Channel 1 Pan
Fader 10	Channel 2 Pan
Fader 11	Channel 3 Pan
Fader 12	Channel 4 Pan
Fader 13	Channel 5 Pan
Fader 14	Channel 6 Pan
Fader 15	
Fader 16	

MAX49 CONTROL	REASON FUNCTION
Switch 9	Channel 1 Solo
Switch 10	Channel 2 Solo
Switch 11	Channel 3 Solo
Switch 12	Channel 4 Solo
Switch 13	Channel 5 Solo
Switch 14	Channel 6 Solo
Switch 15	
Switch 16	

MAX49 CONTROL	REASON FUNCTION
Fader 17	Channel 1 Aux Send
Fader 18	Channel 2 Aux Send
Fader 19	Channel 3 Aux Send
Fader 20	Channel 4 Aux Send
Fader 21	Channel 5 Aux Send
Fader 22	Channel 6 Aux Send
Fader 23	
Fader 24	Aux Return

COMBINATOR

MAX49 CONTROL	REASON FUNCTION
Fader 1	Rotary 1
Fader 2	Rotary 2
Fader 3	Rotary 3
Fader 4	Rotary 4

MAX49 CONTROL	REASON FUNCTION
Switch 1	Button 1
Switch 2	Button 2
Switch 3	Button 3
Switch 4	Button 4

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GROUP 1:

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	Levels Pan Mutes1 1-14
Fader 2	Channel 2 Level	Levels Pan Mutes1 1-14
Fader 3	Channel 3 Level	Levels Pan Mutes1 1-14
Fader 4	Channel 4 Level	Levels Pan Mutes1 1-14
Fader 5	Channel 5 Level	Levels Pan Mutes1 1-14
Fader 6	Channel 6 Level	Levels Pan Mutes1 1-14
Fader 7	Channel 7 Level	Levels Pan Mutes1 1-14
Fader 8	Master Level	All Groups

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Channel 1 Mute	Levels Pan Mutes1 1-14
Switch 2	Channel 2 Mute	Levels Pan Mutes1 1-14
Switch 3	Channel 3 Mute	Levels Pan Mutes1 1-14
Switch 4	Channel 4 Mute	Levels Pan Mutes1 1-14
Switch 5	Channel 5 Mute	Levels Pan Mutes1 1-14
Switch 6	Channel 6 Mute	Levels Pan Mutes1 1-14
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 8 Level	Levels Pan Mutes1 1-14
Fader 10	Channel 9 Level	Levels Pan Mutes1 1-14
Fader 11	Channel 10 Level	Levels Pan Mutes1 1-14
Fader 12	Channel 11 Level	Levels Pan Mutes1 1-14
Fader 13	Channel 12 Level	Levels Pan Mutes1 1-14
Fader 14	Channel 13 Level	Levels Pan Mutes1 1-14
Fader 15	Channel 14 Level	Levels Pan Mutes1 1-14
Fader 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9	Channel 8 Mute	Levels Pan Mutes1 1-14
Switch 10	Channel 9 Mute	Levels Pan Mutes1 1-14
Switch 11	Channel 10 Mute	Levels Pan Mutes1 1-14
Switch 12	Channel 11 Mute	Levels Pan Mutes1 1-14
Switch 13	Channel 12 Mute	Levels Pan Mutes1 1-14
Switch 14	Channel 13 Mute	Levels Pan Mutes1 1-14
Switch 15		
Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Channel 1 Pan	Levels Pan Mutes1 1-14
Fader 18	Channel 2 Pan	Levels Pan Mutes1 1-14
Fader 19	Channel 3 Pan	Levels Pan Mutes1 1-14
Fader 20	Channel 4 Pan	Levels Pan Mutes1 1-14
Fader 21	Channel 5 Pan	Levels Pan Mutes1 1-14
Fader 22	Channel 6 Pan	Levels Pan Mutes1 1-14
Fader 23	Channel 7 Pan	Levels Pan Mutes1 1-14
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Channel 8 Pan	Levels Pan Mutes1 1-14
Fader 26	Channel 9 Pan	Levels Pan Mutes1 1-14
Fader 27	Channel 10 Pan	Levels Pan Mutes1 1-14
Fader 28	Channel 11 Pan	Levels Pan Mutes1 1-14
Fader 29	Channel 12 Pan	Levels Pan Mutes1 1-14
Fader 30	Channel 13 Pan	Levels Pan Mutes1 1-14
Fader 31	Channel 14 Pan	Levels Pan Mutes1 1-14
Fader 32		

GROUP 2:

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	Levels Sends Mutes1 1-14	Switch 1	Channel 1 Mute	Levels Sends Mutes1 1-14
Fader 2	Channel 2 Level	Levels Sends Mutes1 1-14	Switch 2	Channel 2 Mute	Levels Sends Mutes1 1-14
Fader 3	Channel 3 Level	Levels Sends Mutes1 1-14	Switch 3	Channel 3 Mute	Levels Sends Mutes1 1-14
Fader 4	Channel 4 Level	Levels Sends Mutes1 1-14	Switch 4	Channel 4 Mute	Levels Sends Mutes1 1-14
Fader 5	Channel 5 Level	Levels Sends Mutes1 1-14	Switch 5	Channel 5 Mute	Levels Sends Mutes1 1-14
Fader 6	Channel 6 Level	Levels Sends Mutes1 1-14	Switch 6	Channel 6 Mute	Levels Sends Mutes1 1-14
Fader 7	Channel 7 Level	Levels Sends Mutes1 1-14	Switch 7		
Fader 8			Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 8 Level	Levels Sends Mutes1 1-14	Switch 9	Channel 8 Mute	Levels Sends Mutes1 1-14
Fader 10	Channel 9 Level	Levels Sends Mutes1 1-14	Switch 10	Channel 9 Mute	Levels Sends Mutes1 1-14
Fader 11	Channel 10 Level	Levels Sends Mutes1 1-14	Switch 11	Channel 10 Mute	Levels Sends Mutes1 1-14
Fader 12	Channel 11 Level	Levels Sends Mutes1 1-14	Switch 12	Channel 11 Mute	Levels Sends Mutes1 1-14
Fader 13	Channel 12 Level	Levels Sends Mutes1 1-14	Switch 13	Channel 12 Mute	Levels Sends Mutes1 1-14
Fader 14	Channel 13 Level	Levels Sends Mutes1 1-14	Switch 14	Channel 13 Mute	Levels Sends Mutes1 1-14
Fader 15	Channel 14 Level	Levels Sends Mutes1 1-14	Switch 15		
Fader 16			Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Channel 1 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 18	Channel 2 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 19	Channel 3 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 20	Channel 4 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 21	Channel 5 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 22	Channel 6 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 23	Channel 7 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Channel 8 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 26	Channel 9 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 27	Channel 10 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 28	Channel 11 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 29	Channel 12 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 30	Channel 13 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 31	Channel 14 Aux 1 Send	Levels Sends Mutes1 1-14
Fader 32		

GROUP 3:

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS		MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	Levels Sends Mutes2 1-14		Switch 1	Channel 1 Mute	Levels Sends Mutes2 1-14
Fader 2	Channel 2 Level	Levels Sends Mutes2 1-14		Switch 2	Channel 2 Mute	Levels Sends Mutes2 1-14
Fader 3	Channel 3 Level	Levels Sends Mutes2 1-14		Switch 3	Channel 3 Mute	Levels Sends Mutes2 1-14
Fader 4	Channel 4 Level	Levels Sends Mutes2 1-14		Switch 4	Channel 4 Mute	Levels Sends Mutes2 1-14
Fader 5	Channel 5 Level	Levels Sends Mutes2 1-14		Switch 5	Channel 5 Mute	Levels Sends Mutes2 1-14
Fader 6	Channel 6 Level	Levels Sends Mutes2 1-14		Switch 6	Channel 6 Mute	Levels Sends Mutes2 1-14
Fader 7	Channel 7 Level	Levels Sends Mutes2 1-14		Switch 7		
Fader 8				Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS		MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 8 Level	Levels Sends Mutes2 1-14		Switch 9	Channel 8 Mute	Levels Sends Mutes2 1-14
Fader 10	Channel 9 Level	Levels Sends Mutes2 1-14		Switch 10	Channel 9 Mute	Levels Sends Mutes2 1-14
Fader 11	Channel 10 Level	Levels Sends Mutes2 1-14		Switch 11	Channel 10 Mute	Levels Sends Mutes2 1-14
Fader 12	Channel 11 Level	Levels Sends Mutes2 1-14		Switch 12	Channel 11 Mute	Levels Sends Mutes2 1-14
Fader 13	Channel 12 Level	Levels Sends Mutes2 1-14		Switch 13	Channel 12 Mute	Levels Sends Mutes2 1-14
Fader 14	Channel 13 Level	Levels Sends Mutes2 1-14		Switch 14	Channel 13 Mute	Levels Sends Mutes2 1-14
Fader 15	Channel 14 Level	Levels Sends Mutes2 1-14		Switch 15		
Fader 16				Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Channel 1 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 18	Channel 2 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 19	Channel 3 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 20	Channel 4 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 21	Channel 5 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 22	Channel 6 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 23	Channel 7 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Channel 8 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 26	Channel 9 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 27	Channel 10 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 28	Channel 11 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 29	Channel 12 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 30	Channel 13 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 31	Channel 14 Aux 2 Send	Levels Sends Mutes2 1-14
Fader 32		

GROUP 4:

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	Levels Sends Mutes3 1-14	Switch 1	Channel 1 Mute	Levels Sends Mutes3 1-14
Fader 2	Channel 2 Level	Levels Sends Mutes3 1-14	Switch 2	Channel 2 Mute	Levels Sends Mutes3 1-14
Fader 3	Channel 3 Level	Levels Sends Mutes3 1-14	Switch 3	Channel 3 Mute	Levels Sends Mutes3 1-14
Fader 4	Channel 4 Level	Levels Sends Mutes3 1-14	Switch 4	Channel 4 Mute	Levels Sends Mutes3 1-14
Fader 5	Channel 5 Level	Levels Sends Mutes3 1-14	Switch 5	Channel 5 Mute	Levels Sends Mutes3 1-14
Fader 6	Channel 6 Level	Levels Sends Mutes3 1-14	Switch 6	Channel 6 Mute	Levels Sends Mutes3 1-14
Fader 7	Channel 7 Level	Levels Sends Mutes3 1-14	Switch 7		
Fader 8			Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 8 Level	Levels Sends Mutes3 1-14	Switch 9	Channel 8 Mute	Levels Sends Mutes3 1-14
Fader 10	Channel 9 Level	Levels Sends Mutes3 1-14	Switch 10	Channel 9 Mute	Levels Sends Mutes3 1-14
Fader 11	Channel 10 Level	Levels Sends Mutes3 1-14	Switch 11	Channel 10 Mute	Levels Sends Mutes3 1-14
Fader 12	Channel 11 Level	Levels Sends Mutes3 1-14	Switch 12	Channel 11 Mute	Levels Sends Mutes3 1-14
Fader 13	Channel 12 Level	Levels Sends Mutes3 1-14	Switch 13	Channel 12 Mute	Levels Sends Mutes3 1-14
Fader 14	Channel 13 Level	Levels Sends Mutes3 1-14	Switch 14	Channel 13 Mute	Levels Sends Mutes3 1-14
Fader 15	Channel 14 Level	Levels Sends Mutes3 1-14	Switch 15		
Fader 16			Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Channel 1 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 18	Channel 2 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 19	Channel 3 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 20	Channel 4 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 21	Channel 5 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 22	Channel 6 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 23	Channel 7 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Channel 8 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 26	Channel 9 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 27	Channel 10 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 28	Channel 11 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 29	Channel 12 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 30	Channel 13 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 31	Channel 14 Aux 3 Send	Levels Sends Mutes3 1-14
Fader 32		

GROUP 5:

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	Levels Sends Mutes4 1-14	Switch 1	Channel 1 Mute	Levels Sends Mutes4 1-14
Fader 2	Channel 2 Level	Levels Sends Mutes4 1-14	Switch 2	Channel 2 Mute	Levels Sends Mutes4 1-14
Fader 3	Channel 3 Level	Levels Sends Mutes4 1-14	Switch 3	Channel 3 Mute	Levels Sends Mutes4 1-14
Fader 4	Channel 4 Level	Levels Sends Mutes4 1-14	Switch 4	Channel 4 Mute	Levels Sends Mutes4 1-14
Fader 5	Channel 5 Level	Levels Sends Mutes4 1-14	Switch 5	Channel 5 Mute	Levels Sends Mutes4 1-14
Fader 6	Channel 6 Level	Levels Sends Mutes4 1-14	Switch 6	Channel 6 Mute	Levels Sends Mutes4 1-14
Fader 7	Channel 7 Level	Levels Sends Mutes4 1-14	Switch 7		
Fader 8			Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 8 Level	Levels Sends Mutes4 1-14	Switch 9	Channel 8 Mute	Levels Sends Mutes4 1-14
Fader 10	Channel 9 Level	Levels Sends Mutes4 1-14	Switch 10	Channel 9 Mute	Levels Sends Mutes4 1-14
Fader 11	Channel 10 Level	Levels Sends Mutes4 1-14	Switch 11	Channel 10 Mute	Levels Sends Mutes4 1-14
Fader 12	Channel 11 Level	Levels Sends Mutes4 1-14	Switch 12	Channel 11 Mute	Levels Sends Mutes4 1-14
Fader 13	Channel 12 Level	Levels Sends Mutes4 1-14	Switch 13	Channel 12 Mute	Levels Sends Mutes4 1-14
Fader 14	Channel 13 Level	Levels Sends Mutes4 1-14	Switch 14	Channel 13 Mute	Levels Sends Mutes4 1-14
Fader 15	Channel 14 Level	Levels Sends Mutes4 1-14	Switch 15	Channel 14 Mute	Levels Sends Mutes4 1-14
Fader 16			Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Channel 1 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 18	Channel 2 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 19	Channel 3 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 20	Channel 4 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 21	Channel 5 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 22	Channel 6 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 23	Channel 7 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Channel 8 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 26	Channel 9 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 27	Channel 10 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 28	Channel 11 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 29	Channel 12 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 30	Channel 13 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 31	Channel 14 Aux 4 Send	Levels Sends Mutes4 1-14
Fader 32		

SUBTRACTOR

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Filter Freq	SubBank1
Fader 2	Filter Res	SubBank1
Fader 3	Filter2 Freq	SubBank1
Fader 4	Filter2 Res	SubBank1
Fader 5	Filter Env Attack	SubBank1
Fader 6	Filter Env Decay	SubBank1
Fader 7	Filter Env Sustain	SubBank1
Fader 8	Filter Env Release	SubBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Osc1 Wave	SubBank1
Fader 10	Osc1 Octave	SubBank1
Fader 11	Osc1 Semitone	SubBank1
Fader 12	Osc2 Wave	SubBank1
Fader 13	Osc2 Octave	SubBank1
Fader 14	Osc2 Semitone	SubBank1
Fader 15	FM Amount	SubBank1
Fader 16	Osc Mix	SubBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Filter Type	SubBank1
Fader 18	Filter Kbd Track	SubBank1
Fader 19	Filter Env Amount	SubBank1
Fader 20	Filter Env Vel Amount	SubBank1
Fader 21	Amp Env Attack	SubBank1
Fader 22	Amp Env Decay	SubBank1
Fader 23	Amp Env Sustain	SubBank1
Fader 24	Amp Env Release	SubBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	LFO1 Rate	SubBank2
Fader 18	LFO1 Amount	SubBank2
Fader 19	LFO1 Wave	SubBank2
Fader 20	LFO1 Dest	SubBank2
Fader 21	LFO2 Rate	SubBank2
Fader 22	LFO2 Amount	SubBank2
Fader 23	LFO2 Delay	SubBank2
Fader 24	LFO2 Dest	SubBank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Noise Color	SubBank1
Fader 26	Noise Level	SubBank1
Fader 27	Mod Env Gain	SubBank1
Fader 28	Mod Env Dest	SubBank1
Fader 29	Mod Env Attack	SubBank1
Fader 30	Mod Env Decay	SubBank1
Fader 31	Mod Env Sustain	SubBank1
Fader 32	Mod Env Release	SubBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Ext Mod Select	SubBank2
Fader 26	Filter Freq Ext Mod	SubBank2
Fader 27	LFO1 Ext Mod	SubBank2
Fader 28	Amp Ext Mod	SubBank2
Fader 29	FM Ext Mod	SubBank2
Fader 30	Filter Freq Mod Wheel Amount	SubBank2
Fader 31	Filter Res Mod Wheel Amount	SubBank2
Fader 32	LFO2 Kbd Track	SubBank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Filter Link Freq On/Off	SubBank1
Switch 2	Filter2 On/Off	SubBank1
Switch 3	Filter Env Invert	SubBank1
Switch 4	Mod Env Invert	SubBank1
Switch 5		
Switch 6		
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9	Osc2 On/Off	SubBank1
Switch 10	Osc2 Kbd Track	SubBank1
Switch 11	Ring Mod	SubBank1
Switch 12	Noise On/Off	SubBank1
Switch 13		
Switch 14		
Switch 15		
Switch 16		

THOR

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Filter 1 Freq		Fader 25	Mod Env Delay	ThorBank1
Fader 2	Filter 1 Res		Fader 26	Mod Env Attack	ThorBank1
Fader 3	Filter 2 Freq		Fader 27	Mod Env Decay	ThorBank1
Fader 4	Filter 2 Res		Fader 28	Mod Env Release	ThorBank1
Fader 5	Filter 3 Freq		Fader 29	Global Env Attack	ThorBank1
Fader 6	Filter 3 Res		Fader 30	Global Env Decay	ThorBank1
Fader 7	LFO 1 Rate		Fader 31	Global Env Sustain	ThorBank1
Fader 8	LFO 2 Rate		Fader 32	Global Env Release	ThorBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Filter Env Attack		Fader 25	Delay Time	ThorBank2
Fader 10	Filter Env Decay		Fader 26	Delay Feedback	ThorBank2
Fader 11	Filter Env Sustain		Fader 27	Delay Rate	ThorBank2
Fader 12	Filter Env Release		Fader 28	Delay Amt	ThorBank2
Fader 13	Amp Env Attack		Fader 29	Delay Dry Wet	ThorBank2
Fader 14	Amp Env Decay		Fader 30	Osc 1 And 2 Balance	ThorBank2
Fader 15	Amp Env Sustain		Fader 31	Shaper Drive	ThorBank2
Fader 16	Amp Env Release		Fader 32	Delay Time	ThorBank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Filter 1 Env Amount	ThorBank1	Switch 1	Osc 1 To Filter 1 Enable	
Fader 18	Filter 1 Drive	ThorBank1	Switch 2	Osc 2 To Filter 1 Enable	
Fader 19	Filter 2 Env Amount	ThorBank1	Switch 3	Osc 3 To Filter 1 Enable	
Fader 20	Filter 2 Drive	ThorBank1	Switch 4	Osc 1 To Filter 2 Enable	
Fader 21	Filter 3 Global Env Amount	ThorBank1	Switch 5	Osc 2 To Filter 2 Enable	
Fader 22	Filter 3 Drive	ThorBank1	Switch 6	Osc 3 To Filter 2 Enable	
Fader 23	Rotary 1	ThorBank1	Switch 7		
Fader 24	Rotary 2	ThorBank1	Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Osc 1 Mod	ThorBank2	Switch 17	Osc 2 Sync To Osc 1	
Fader 18	Osc 2 Mod	ThorBank2	Switch 18	Osc 3 Sync To Osc 1	
Fader 19	Osc 3 Mod	ThorBank2	Switch 19	Delay On	
Fader 20	Osc 1 AM From Osc 2	ThorBank2	Switch 20	Delay Sync	
Fader 21	Osc 2 Sync BW	ThorBank2	Switch 21	Shaper On	
Fader 22	Osc 3 Sync BW	ThorBank2	Switch 22	Shaper Output Dest	
Fader 23	Osc 1 And 2 Level	ThorBank2	Switch 23		
Fader 24	Osc 3 Level	ThorBank2	Switch 24		

MALSTRÖM

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Filter A Freq	
Fader 2	Filter A Resonance	
Fader 3	Filter B Freq	
Fader 4	Filter B Resonance	
Fader 5	Filter Env Attack	
Fader 6	Filter Env Decay	
Fader 7	Filter Env Sustain	
Fader 8	Filter Env Release	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Oscillator A Attack	
Fader 10	Oscillator A Decay	
Fader 11	Oscillator A Sustain	
Fader 12	Oscillator A Release	
Fader 13	Oscillator B Attack	
Fader 14	Oscillator B Decay	
Fader 15	Oscillator B Sustain	
Fader 16	Oscillator B Release	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Filter Env Amount	MalBank1
Fader 18	Filter A Mode	MalBank1
Fader 19	Filter B Mode	MalBank1
Fader 20	Shaper Mode	MalBank1
Fader 21	Shaper Amount	MalBank1
Fader 22	Spread Amount	MalBank1
Fader 23	Portamento	MalBank1
Fader 24	Master Level	MalBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Modulator A Rate	MalBank2
Fader 18	Modulator A To Pitch	MalBank2
Fader 19	Modulator A To Index	MalBank2
Fader 20	Modulator A To Shift	MalBank2
Fader 21	Modulator B Rate	MalBank2
Fader 22	Modulator B To Motion	MalBank2
Fader 23	Modulator B To Level	MalBank2
Fader 24	Modulator B To Filter	MalBank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Oscillator A Motion	MalBank1
Fader 26	Oscillator A Shift	MalBank1
Fader 27	Oscillator A Octave	MalBank1
Fader 28	Oscillator A Gain	MalBank1
Fader 29	Oscillator B Motion	MalBank1
Fader 30	Oscillator B Shift	MalBank1
Fader 31	Oscillator B Octave	MalBank1
Fader 32	Oscillator B Gain	MalBank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Modulator A Curve	MalBank2
Fader 26	Modulator A Target	MalBank2
Fader 27	Modulator B Curve	MalBank2
Fader 28	Modulator B Target	MalBank2
Fader 29	Modulator B To Modulator A	MalBank2
Fader 30	Velocity To Level A	MalBank2
Fader 31	Velocity To Level B	MalBank2
Fader 32	Velocity To Filter Env	MalBank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Filter A On/Off	
Switch 2	Filter A Env	
Switch 3	Filter B On/Off	
Switch 4	Filter B Env	
Switch 5	Filter Env Invert	
Switch 6	Shaper On/Off	
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9	Oscillator A On/Off	
Switch 10	Route Oscillator A To Shaper	
Switch 11	Route Oscillator A To Filter B	
Switch 12	Oscillator B On/Off	
Switch 13	Route Oscillator B To Filter B	
Switch 14	Route Filter B To Shaper	
Switch 15		
Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 17	Modulator A On/Off	
Switch 18	Modulator A One Shot	
Switch 19	Modulator A Sync	
Switch 20	Modulator B On/Off	
Switch 21	Modulator B One Shot	
Switch 22	Modulator B Sync	
Switch 23		
Switch 24		

NN19 SAMPLER

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Filter Freq	
Fader 2	Filter Res	
Fader 3	Filter Kbd Track	
Fader 4	Filter Env Amount	
Fader 5	Filter Env Attack	
Fader 6	Filter Env Decay	
Fader 7	Filter Env Sustain	
Fader 8	Filter Env Release	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	LFO Rate	NN19Bank1
Fader 26	LFO Amount	NN19Bank1
Fader 27	LFO Wave	NN19Bank1
Fader 28	LFO Dest	NN19Bank1
Fader 29		
Fader 30		
Fader 31		
Fader 32		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Osc Octave	
Fader 10	Osc Semitone	
Fader 11	Osc Fine Tune	
Fader 12	Osc Env Amount	
Fader 13	Sample Start	
Fader 14		
Fader 15		
Fader 16	Master Level	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Filter Freq Mod Wheel Amount	NN19Bank2
Fader 26	Filter Res Mod Wheel Amount	NN19Bank2
Fader 27	Filter Decay Mod Wheel Amount	NN19Bank2
Fader 28	Amp Mod Wheel Amount	NN19Bank2
Fader 29	LFO Mod Wheel Amount	NN19Bank2
Fader 30		
Fader 31		
Fader 32		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Filter Mode	NN19Bank1
Fader 18	Filter Freq Ext Mod	NN19Bank1
Fader 19	LFO Ext Mod	NN19Bank1
Fader 20	Amp Ext Mod	NN19Bank1
Fader 21	Amp Env Attack	NN19Bank1
Fader 22	Amp Env Decay	NN19Bank1
Fader 23	Amp Env Sustain	NN19Bank1
Fader 24	Amp Env Release	NN19Bank1

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Filter On/Off	
Switch 2	Filter Env Invert	
Switch 3	Sample	
Switch 4		
Switch 5		
Switch 6		
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Filter Env Vel Amount	NN19Bank2
Fader 18	Filter Decay Vel Amount	NN19Bank2
Fader 19	Amp Vel Amount	NN19Bank2
Fader 20	Amp Attack Vel Amount	NN19Bank2
Fader 21	Sample Start Vel Amount	NN19Bank2
Fader 22	Portamento	NN19Bank2
Fader 23	Polyphony	NN19Bank2
Fader 24	Stereo Spread	NN19Bank2

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9	Osc Kbd Track	
Switch 10	LFO Sync Enable	
Switch 11	High Quality Interpolation	
Switch 12	Low Bandwidth On/Off	
Switch 13		
Switch 14		
Switch 15		
Switch 16		

NN-XT ADVANCED SAMPLER

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Filter Freq	
Fader 2	Filter Res	
Fader 3	Amp Env Attack	
Fader 4	Amp Env Decay	
Fader 5	Amp Env Release	
Fader 6	Mod Env Decay	
Fader 7	Master Volume	
Fader 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Drum 9 Pitch	Level Pan 9-10
Fader 18	Drum 10 Pitch	Level Pan 9-10
Fader 19		
Fader 20		
Fader 21		
Fader 22		
Fader 23		
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Drum 1 Level	Level Pan 1-8
Fader 2	Drum 2 Level	Level Pan 1-8
Fader 3	Drum 3 Level	Level Pan 1-8
Fader 4	Drum 4 Level	Level Pan 1-8
Fader 5	Drum 5 Level	Level Pan 1-8
Fader 6	Drum 6 Level	Level Pan 1-8
Fader 7	Drum 7 Level	Level Pan 1-8
Fader 8	Drum 8 Level	Level Pan 1-8

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Drum 1 Send 1 Amount	Level Pan 1-8
Fader 26	Drum 2 Send 1 Amount	Level Pan 1-8
Fader 27	Drum 3 Send 1 Amount	Level Pan 1-8
Fader 28	Drum 4 Send 1 Amount	Level Pan 1-8
Fader 29	Drum 5 Send 1 Amount	Level Pan 1-8
Fader 30	Drum 6 Send 1 Amount	Level Pan 1-8
Fader 31	Drum 7 Send 1 Amount	Level Pan 1-8
Fader 32	Drum 8 Send 1 Amount	Level Pan 1-8

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Drum 9 Level	Level Pan 9-10
Fader 2	Drum 10 Level	Level Pan 9-10
Fader 3		
Fader 4		
Fader 5		
Fader 6		
Fader 7		
Fader 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Drum 9 Send 1 Amount	Level Pan 9-10
Fader 26	Drum 10 Send 1 Amount	Level Pan 9-10
Fader 27		
Fader 28		
Fader 29		
Fader 30		
Fader 31		
Fader 32		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Drum 1 Pan	Level Pan 1-8
Fader 10	Drum 2 Pan	Level Pan 1-8
Fader 11	Drum 3 Pan	Level Pan 1-8
Fader 12	Drum 4 Pan	Level Pan 1-8
Fader 13	Drum 5 Pan	Level Pan 1-8
Fader 14	Drum 6 Pan	Level Pan 1-8
Fader 15	Drum 7 Pan	Level Pan 1-8
Fader 16	Drum 8 Pan	Level Pan 1-8

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1		
Switch 2		
Switch 3	Sample	
Switch 4		
Switch 5		
Switch 6		
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Drum 9 Pan	Level Pan 9-10
Fader 10	Drum 10 Pan	Level Pan 9-10
Fader 11		
Fader 12		
Fader 13		
Fader 14		
Fader 15		
Fader 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Pad 1	Bank A	
Pad 2	Bank B	
Pad 3	Bank C	
Pad 4	Bank D	
Pad 5	Pattern 5	
Pad 6	Pattern 6	
Pad 7	Pattern 7	
Pad 8	Pattern 8	
Pad 9	Pattern 1	
Pad 10	Pattern 2	
Pad 11	Pattern 3	
Pad 12	Pattern 4	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Drum 1 Pitch	Level Pan 1-8
Fader 18	Drum 2 Pitch	Level Pan 1-8
Fader 19	Drum 3 Pitch	Level Pan 1-8
Fader 20	Drum 4 Pitch	Level Pan 1-8
Fader 21	Drum 5 Pitch	Level Pan 1-8
Fader 22	Drum 6 Pitch	Level Pan 1-8
Fader 23	Drum 7 Pitch	Level Pan 1-8
Fader 24	Drum 8 Pitch	Level Pan 1-8

KONG DRUM DESIGNER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Drum 1 Level
Fader 2	Drum 2 Level
Fader 3	Drum 3 Level
Fader 4	Drum 4 Level
Fader 5	Drum 5 Level
Fader 6	Drum 6 Level
Fader 7	Drum 7 Level
Fader 8	Drum 8 Level

MAX49 CONTROL	REASON FUNCTION
Fader 9	Drum 9 Level
Fader 10	Drum 10 Level
Fader 11	Drum 11 Level
Fader 12	Drum 12 Level
Fader 13	Drum 13 Level
Fader 14	Drum 14 Level
Fader 15	Drum 15 Level
Fader 16	Drum 16 Level

MAX49 CONTROL	REASON FUNCTION
Fader 17	Drum 1 Bus FX Send
Fader 18	Drum 2 Bus FX Send
Fader 19	Drum 3 Bus FX Send
Fader 20	Drum 4 Bus FX Send
Fader 21	Drum 5 Bus FX Send
Fader 22	Drum 6 Bus FX Send
Fader 23	Drum 7 Bus FX Send
Fader 24	Drum 8 Bus FX Send

MAX49 CONTROL	REASON FUNCTION
Fader 25	Drum 9 Bus FX Send
Fader 26	Drum 10 Bus FX Send
Fader 27	Drum 11 Bus FX Send
Fader 28	Drum 12 Bus FX Send
Fader 29	Drum 13 Bus FX Send
Fader 30	Drum 14 Bus FX Send
Fader 31	Drum 15 Bus FX Send
Fader 32	Drum 16 Bus FX Send

MAX49 CONTROL	REASON FUNCTION
Switch 1	
Switch 2	
Switch 3	Quick Sample
Switch 4	
Switch 5	Select Previous Patch
Switch 6	Select Next Patch
Switch 7	
Switch 8	

RV7000 ADVANCED REVERB

MAX49 CONTROL	REASON FUNCTION
Fader 1	Decay
Fader 2	HF Damp
Fader 3	Hi EQ
Fader 4	Dry/Wet
Fader 5	
Fader 6	
Fader 7	
Fader 8	

MAX49 CONTROL	REASON FUNCTION
Switch 1	EQ On/Off
Switch 2	Gate On/Off
Switch 3	
Switch 4	
Switch 5	
Switch 6	
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Fader 9	Soft Knob 1
Fader 10	Soft Knob 2
Fader 11	Soft Knob 3
Fader 12	Soft Knob 4
Fader 13	Soft Knob 5
Fader 14	Soft Knob 6
Fader 15	Soft Knob 7
Fader 16	Soft Knob 8

SCREAM 4 DISTORTION

MAX49 CONTROL	REASON FUNCTION
Fader 1	Damage Control
Fader 2	Damage Type
Fader 3	Parameter 1
Fader 4	Parameter 2
Fader 5	Cut Lo
Fader 6	Cut Mid
Fader 7	Cut Hi
Fader 8	Master Level

MAX49 CONTROL	REASON FUNCTION
Switch 1	Damage On/Off
Switch 2	Cut On/Off
Switch 3	Body On/Off
Switch 4	
Switch 5	
Switch 6	
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Fader 9	Body Resonance
Fader 10	Body Scale
Fader 11	Body Auto
Fader 12	Body Type
Fader 13	
Fader 14	
Fader 15	
Fader 16	

BV512 DIGITAL VOCODER

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Band Count		Switch 1	Vocoder/Equalizer	
Fader 26	Shift		Switch 2	Hold	
Fader 27	Attack		Switch 3		
Fader 28	Decay		Switch 4		
Fader 29	HF Emphasis		Switch 5		
Fader 30	Dry/Wet		Switch 6		
Fader 31			Switch 7		
Fader 32			Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Band Level 1	Band	Fader 17	Band Level 17	Band
Fader 2	Band Level 2	Band	Fader 18	Band Level 18	Band
Fader 3	Band Level 3	Band	Fader 19	Band Level 19	Band
Fader 4	Band Level 4	Band	Fader 20	Band Level 20	Band
Fader 5	Band Level 5	Band	Fader 21	Band Level 21	Band
Fader 6	Band Level 6	Band	Fader 22	Band Level 22	Band
Fader 7	Band Level 7	Band	Fader 23	Band Level 23	Band
Fader 8	Band Level 8	Band	Fader 24	Band Level 24	Band

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS	MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Band Level 9	Band	Fader 25	Band Level 25	Band
Fader 10	Band Level 10	Band	Fader 26	Band Level 26	Band
Fader 11	Band Level 11	Band	Fader 27	Band Level 27	Band
Fader 12	Band Level 12	Band	Fader 28	Band Level 28	Band
Fader 13	Band Level 13	Band	Fader 29	Band Level 29	Band
Fader 14	Band Level 14	Band	Fader 30	Band Level 30	Band
Fader 15	Band Level 15	Band	Fader 31	Band Level 31	Band
Fader 16	Band Level 16	Band	Fader 32	Band Level 32	Band

NEPTUNE PITCH ADJUSTER

MAX49 CONTROL	REASON FUNCTION	MAX49 CONTROL	REASON FUNCTION
Switch 1	Pitch Adjust On/Off	Fader 1	Correction Speed
Switch 2	Scale Memory	Fader 2	Preserve Expression
Switch 3	Transpose On/Off	Fader 3	Semitones
Switch 4	MIDI Destination	Fader 4	Cent
Switch 5	Formant On/Off	Fader 5	Formant Shift
Switch 6	Enabled	Fader 6	Vibrato Rate
Switch 7		Fader 7	Pitch Bend Range
Switch 8		Fader 8	
		Fader 9	Pitched Signal Level
		Fader 10	Voice Synth Level

MCLASS EQUALIZER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Low Shelf Gain
Fader 2	Parametric 1 Gain
Fader 3	Parametric 2 Gain
Fader 4	Hi Shelf Gain
Fader 5	Low Shelf Q
Fader 6	Parametric 1 Q
Fader 7	Parametric 2 Q
Fader 8	Hi Shelf Q
Fader 9	Low Shelf Frequency
Fader 10	Parametric 1 Frequency
Fader 11	Parametric 2 Frequency
Fader 12	Hi Shelf Frequency

MAX49 CONTROL	REASON FUNCTION
Switch 1	Low Cut Enable
Switch 2	Low Shelf Enable
Switch 3	Parametric 1 Enable
Switch 4	Parametric 2 Enable
Switch 5	Hi Shelf Enable

MCLASS STEREO IMAGER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Low Width
Fader 2	X-Over Frequency
Fader 3	High Width
Fader 4	Solo Mode

MAX49 CONTROL	REASON FUNCTION
Switch 1	Low Band Active
Switch 2	High Band Active
Switch 3	Separate Out Mode

MCLASS COMPRESSOR

MAX49 CONTROL	REASON FUNCTION
Fader 1	Input Gain
Fader 2	Threshold
Fader 3	Ratio
Fader 4	Attack
Fader 5	Release
Fader 6	Output Gain

MAX49 CONTROL	REASON FUNCTION
Switch 1	Soft Knee
Switch 2	Sidechain Solo
Switch 3	Adapt
Switch 4	Sidechain Active

MCLASS MAXIMIZER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Input Gain
Fader 2	Attack Speed
Fader 3	Release Speed
Fader 4	Output Gain
Fader 5	Soft Clip Amount

MAX49 CONTROL	REASON FUNCTION
Switch 1	Limiter Enable
Switch 2	Look Ahead Enable
Switch 3	Soft Clip Enable
Switch 4	Output Level Meter Mode

RV-7 DIGITAL REVERB

MAX49 CONTROL	REASON FUNCTION
Fader 1	Algorithm
Fader 2	Size
Fader 3	Decay
Fader 4	Damping
Fader 5	Dry/Wet

DDL-1 DIGITAL DELAY LINE

MAX49 CONTROL	REASON FUNCTION
Fader 1	DelayTime (steps)
Fader 2	DelayTime (ms)
Fader 3	Feedback
Fader 4	Pan
Fader 5	Dry/Wet Balance

MAX49 CONTROL	REASON FUNCTION
Switch 1	Unit
Switch 2	Step Length

D-11 FOLDBACK DISTORTION

MAX49 CONTROL	REASON FUNCTION
Fader 1	Amount
Fader 2	Foldback

ECF-42 ENVELOPE CONTROLLER FILTER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Frequency
Fader 2	Resonance
Fader 3	Env Amount
Fader 4	Velocity
Fader 5	Mode
Fader 6	
Fader 7	
Fader 8	
Fader 9	Attack
Fader 10	Decay
Fader 11	Sustain
Fader 12	Release

MAX49 CONTROL	REASON FUNCTION
Switch 1	Trigger

CF-101 CHORUS/FLANGER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Delay
Fader 2	Feedback
Fader 3	Rate
Fader 4	Modulation Amount

MAX49 CONTROL	REASON FUNCTION
Switch 1	LFO Sync Enable
Switch 2	Send/Insert Mode

PH-90 PHASER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Frequency
Fader 2	Split
Fader 3	Width
Fader 4	Rate
Fader 5	Frequency Modulation
Fader 6	Feedback

MAX49 CONTROL	REASON FUNCTION
Switch 1	LFO Sync Enable

UN-16 UNISON

MAX49 CONTROL	REASON FUNCTION
Fader 1	Voice Count
Fader 2	Detune
Fader 3	Dry/Wet

COMP-01 COMPRESSOR/LIMITER

MAX49 CONTROL	REASON FUNCTION
Fader 1	Ratio
Fader 2	Threshold
Fader 3	Attack
Fader 4	Release
Fader 5	
Fader 6	Gain

PEQ-2 TWO-BAND PARAMETRIC EQ

MAX49 CONTROL	REASON FUNCTION
Fader 1	Filter A Freq
Fader 2	Filter A Q
Fader 3	Filter A Gain
Fader 4	Filter B Freq
Fader 5	Filter B Q
Fader 6	Filter B Gain

MAX49 CONTROL	REASON FUNCTION
Switch 1	Filter B On/Off

MATRIX PATTERN SEQUENCER

MAX49 CONTROL	REASON FUNCTION
Pad 1	Bank A
Pad 2	Bank B
Pad 3	Bank C
Pad 4	Bank D
Pad 5	Pattern 5
Pad 6	Pattern 6
Pad 7	Pattern 7
Pad 8	Pattern 8
Pad 9	Pattern 1
Pad 10	Pattern 2
Pad 11	Pattern 3
Pad 12	Pattern 4

MAX49 CONTROL	REASON FUNCTION
Fader 1	Pattern Select in Bank
Fader 2	Bank Select
Fader 3	Resolution

MAX49 CONTROL	REASON FUNCTION
Switch 1	Run
Switch 2	Pattern Enable

RPG-8 MONOPHONIC ARPEGGIATOR

MAX49 CONTROL	REASON FUNCTION
Switch 1	Hold
Switch 2	Arpeggiator Enable
Switch 3	Single Note Repeat
Switch 4	Shuffle
Switch 5	Pattern Enable
Switch 6	Sync
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Switch 17	Pattern Step 7
Switch 18	Pattern Step 8
Switch 19	Pattern Step 9
Switch 20	Pattern Step 10
Switch 21	Pattern Step 11
Switch 22	Pattern Step 12
Switch 23	
Switch 24	

Switch 9	Pattern Step 1
Switch 10	Pattern Step 2
Switch 11	Pattern Step 3
Switch 12	Pattern Step 4
Switch 13	Pattern Step 5
Switch 14	Pattern Step 6
Switch 15	
Switch 16	

Fader 1	Velocity/Manual
Fader 2	Mode
Fader 3	Octave
Fader 4	Insert
Fader 5	Rate
Fader 6	Gate Length
Fader 7	
Fader 8	

REGROOVE MIXER

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	A1 Groove Amount	
Fader 2	A2 Groove Amount	
Fader 3	A3 Groove Amount	
Fader 4	A4 Groove Amount	
Fader 5	A5 Groove Amount	
Fader 6	A6 Groove Amount	
Fader 7	A7 Groove Amount	
Fader 8	A8 Groove Amount	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	A1 Slide	Slide
Fader 10	A2 Slide	Slide
Fader 11	A3 Slide	Slide
Fader 12	A4 Slide	Slide
Fader 13	A5 Slide	Slide
Fader 14	A6 Slide	Slide
Fader 15	A7 Slide	Slide
Fader 16	A8 Slide	Slide

Fader 9	A1 Shuffle	Shuffle
Fader 10	A2 Shuffle	Shuffle
Fader 11	A3 Shuffle	Shuffle
Fader 12	A4 Shuffle	Shuffle
Fader 13	A5 Shuffle	Shuffle
Fader 14	A6 Shuffle	Shuffle
Fader 15	A7 Shuffle	Shuffle
Fader 16	A8 Shuffle	Shuffle

ID8 INSTRUMENT DEVICE

MAX49 CONTROL	REASON FUNCTION
Fader 1	Parameter 1
Fader 2	Parameter 2
Fader 3	
Fader 4	
Fader 5	
Fader 6	
Fader 7	
Fader 8	Volume

MAX49 CONTROL	REASON FUNCTION
Switch 1	
Switch 2	
Switch 3	
Switch 4	
Switch 5	
Switch 6	
Switch 7	Select Previous Preset
Switch 8	Select Next Preset

LINE6 GUITAR AMP

MAX49 CONTROL	REASON FUNCTION
Fader 1	Volume Pedal
Fader 2	Drive
Fader 3	Bass
Fader 4	Middle
Fader 5	Treble
Fader 6	Presence
Fader 7	
Fader 8	Volume

MAX49 CONTROL	REASON FUNCTION
Expression	Wah Pedal

MAX49 CONTROL	REASON FUNCTION
Switch 1	Wah Pedal On
Switch 2	
Switch 3	Select Previous Amp Model
Switch 4	Select Next Amp Model
Switch 5	Select Previous Cab Model
Switch 6	Select Next Cab Model
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Switch 9	
Switch 10	
Switch 11	
Switch 12	
Switch 13	
Switch 14	
Switch 15	Select Previous Patch
Switch 16	Select Next Patch

LINE6 BASS AMP

MAX49 CONTROL	REASON FUNCTION
Fader 1	Comp Threshold
Fader 2	Drive
Fader 3	Bass
Fader 4	Lo Mid
Fader 5	Hi Mid
Fader 6	Treble
Fader 7	
Fader 8	Volume

MAX49 CONTROL	REASON FUNCTION
Switch 1	Compressor On
Switch 2	
Switch 3	Select Previous Amp Model
Switch 4	Select Next Amp Model
Switch 5	Select Previous Cab Model
Switch 6	Select Next Cab Model
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Switch 9	
Switch 10	
Switch 11	
Switch 12	
Switch 13	
Switch 14	
Switch 15	Select Previous Patch
Switch 16	Select Next Patch

REASON RECORD MAIN MIXER CHANNEL

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Level	
Fader 2	Pan	
Fader 3	Width	
Fader 4		
Fader 5	Rotary 1	
Fader 6	Rotary 2	
Fader 7	Rotary 3	
Fader 8	Rotary 4	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	HF Gain	
Fader 26	HF Frequency	
Fader 27		
Fader 28		
Fader 29	LPF On	
Fader 30	LPF Frequency	
Fader 31	HPF On	
Fader 32	HPF Frequency	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	FX1 Send Level	
Fader 10	FX2 Send Level	
Fader 11	FX3 Send Level	
Fader 12	FX4 Send Level	
Fader 13	FX5 Send Level	
Fader 14	FX6 Send Level	
Fader 15	FX7 Send Level	
Fader 16	FX8 Send Level	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Mute	
Switch 2	Solo	
Switch 3	Switch 1	
Switch 4	Switch 2	
Switch 5	Switch 3	
Switch 6	Switch 4	
Switch 7		
Switch 8		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	LF Gain	Equalizer
Fader 18	LF Frequency	Equalizer
Fader 19	LMF Gain	Equalizer
Fader 20	LMF Frequency	Equalizer
Fader 21	LMF Q	Equalizer
Fader 22	HMF Gain	Equalizer
Fader 23	HMF Frequency	Equalizer
Fader 24	HMF Q	Equalizer

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9	FX1 Send On	
Switch 10	FX2 Send On	
Switch 11	FX3 Send On	
Switch 12	FX4 Send On	
Switch 13	FX5 Send On	
Switch 14	FX6 Send On	
Switch 15	FX7 Send On	
Switch 16	FX8 Send On	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	Input Gain	Compressor
Fader 18	Invert Phase	Compressor
Fader 19	Comp On	Compressor
Fader 20	C Ratio	Compressor
Fader 21	C Threshold	Compressor
Fader 22	C Release	Compressor
Fader 23		
Fader 24		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 17	EQ On	
Switch 18	EQ E Mode	
Switch 19	LF Bell	
Switch 20	HF Bell	
Switch 21		
Switch 22		
Switch 23		
Switch 24		

REASON RECORD MASTER SECTION

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 1	Channel 1 Level	
Fader 2	Channel 2 Level	
Fader 3	Channel 3 Level	
Fader 4	Channel 4 Level	
Fader 5	Channel 5 Level	
Fader 6	Channel 6 Level	
Fader 7	Channel 7 Level	
Fader 8	Channel 8 Level	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Compressor On	FX
Fader 26	Threshold	FX
Fader 27	Ratio	FX
Fader 28		
Fader 29	Attack	FX
Fader 30	Release	FX
Fader 31	Make-Up Gain	FX
Fader 32		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	Channel 1 Pan	Main
Fader 10	Channel 2 Pan	Main
Fader 11	Channel 3 Pan	Main
Fader 12	Channel 4 Pan	Main
Fader 13	Channel 5 Pan	Main
Fader 14	Channel 6 Pan	Main
Fader 15	Channel 7 Pan	Main
Fader 16	Channel 8 Pan	Main

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 1	Previous 8 Remote Base Channel	
Switch 2	Next 8 Remote Base Channel	
Switch 3		
Switch 4		
Switch 5		
Switch 6		
Switch 7		
Switch 8	Bypass Insert FX	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 9	FX1 Pan	FX
Fader 10	FX2 Pan	FX
Fader 11	FX3 Pan	FX
Fader 12	FX4 Pan	FX
Fader 13	FX5 Pan	FX
Fader 14	FX6 Pan	FX
Fader 15	FX7 Pan	FX
Fader 16	FX8 Pan	FX

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 9		
Switch 10		
Switch 11		
Switch 12		
Switch 13		
Switch 14		
Switch 15		
Switch 16		

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 17	FX1 Return Level	
Fader 18	FX2 Return Level	
Fader 19	FX3 Return Level	
Fader 20	FX4 Return Level	
Fader 21	FX5 Return Level	
Fader 22	FX6 Return Level	
Fader 23	FX7 Return Level	
Fader 24	FX8 Return Level	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 17	FX1 Mute	
Switch 18	FX2 Mute	
Switch 19	FX3 Mute	
Switch 20	FX4 Mute	
Switch 21	FX5 Mute	
Switch 22	FX6 Mute	
Switch 23	FX7 Mute	
Switch 24	FX8 Mute	

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Fader 25	Rotary 1	Main
Fader 26	Rotary 2	Main
Fader 27	Rotary 3	Main
Fader 28	Rotary 4	Main
Fader 29		
Fader 30		
Fader 31		
Fader 32	Master Level	Main

MAX49 CONTROL	REASON FUNCTION	CONTROL VARIATIONS
Switch 25	Switch 1	
Switch 26	Switch 2	
Switch 27	Switch 3	
Switch 28	Switch 4	
Switch 29		
Switch 30		
Switch 31		
Switch 32		

REASON RECORD GLOBAL CONTROLS

MAX49 CONTROL	REASON FUNCTION
Stop	Stop
Play	Play
Record	Record
Rewind	Rewind
Fast Forward	Fast Forward
Stop	Stop

MAX49 CONTROL	REASON FUNCTION
Switch 15	Select Prev Patch for Target Device
Switch 16	Select Next Patch for Target Device
Switch 7	Target Previous Track
Switch 8	Target Next Track
Switch 23	Select Previous Keyboard Shortcut Variation
Switch 24	Select Next Keyboard Shortcut Variation

REASON ESSENTIALS MAIN MIXER CHANNEL

MAX49 CONTROL	REASON FUNCTION
Fader 1	Level
Fader 2	Pan
Fader 3	Width
Fader 4	
Fader 5	Rotary 1
Fader 6	Rotary 2
Fader 7	Rotary 3
Fader 8	Rotary 4

MAX49 CONTROL	REASON FUNCTION
Switch 1	Mute
Switch 2	Solo
Switch 3	Switch 1
Switch 4	Switch 2
Switch 5	Switch 3
Switch 6	Switch 4
Switch 7	
Switch 8	

MAX49 CONTROL	REASON FUNCTION
Fader 9	Input Gain
Fader 10	Invert Phase
Fader 11	LF Gain
Fader 12	LF Frequency
Fader 13	HF Gain
Fader 14	HF Frequency
Fader 15	
Fader 16	

MAX49 CONTROL	REASON FUNCTION
Switch 9	
Switch 10	
Switch 11	EQ On
Switch 12	LF Bell
Switch 13	HF Bell
Switch 14	
Switch 15	
Switch 16	

MAX49 CONTROL	REASON FUNCTION
Fader 17	FX1 Send Level
Fader 18	FX2 Send Level
Fader 19	FX3 Send Level
Fader 20	FX4 Send Level
Fader 21	
Fader 22	
Fader 23	
Fader 24	

MAX49 CONTROL	REASON FUNCTION
Switch 17	FX1 Send On
Switch 18	FX2 Send On
Switch 19	FX3 Send On
Switch 20	FX4 Send On
Switch 21	FX1 Pre Fader
Switch 22	FX2 Pre Fader
Switch 23	FX3 Pre Fader
Switch 24	FX4 Pre Fader

Steinberg Cubase

Setup

1. Connect MAX49 to your computer with the included USB cable. Open Cubase.
2. On MAX49, select the **Cubase** or **CubaseKS** Program. Press the VALUE DIAL to load it.
   Note: If you have edited MAX49's Programs and are unable to load the Program, use the supplied Vyzex editor to load the Factory Preset Bank and "PUT" or download the factory preset bank into MAX49.
3. In Cubase, click **Devices** in the menu bar, and select **Device Setup**.
4. In the **Device Setup** window's upper left corner, click the **+** symbol, and select **Mackie Control**.
5. In the upper right part of the window, click each drop-down menu next to **MIDI Input** and **MIDI Output**, and select **MIDIIN4 (Akai MAX49)** (Windows 7/Vista) or **USB Audio Device [4]** (Windows XP).
6. Click **OK**.

IMPORTANT!: To use MAX49's TRANSPORT CONTROLS (Play, Stop, Record, etc.) in Cubase, follow these additional steps:
1. Press [EDIT] on MAX49.
2. Press any one of MAX49's TRANSPORT CONTROLS.
3. Turn the VALUE DIAL until the **Type** is set to **Mackie**. You may now use the TRANSPORT CONTROLS in Cubase.

Cubase

When using MAX49's Cubase Program, the controls' behavior is as follows:

TRANSPORT CONTROLS (Play, Stop, Rec, etc.): When these controls are set to **Mackie**, they will work accordingly in the software. See the note in the Setup section above.

BANK 1-8:
> **TOUCH FADERS:** These control the volume level of Tracks 1-8.
> **S-SWITCHES:** These mute Tracks 1-8.

BANK 9-16:
> **TOUCH FADERS:** These control the panning of Tracks 1-8.
> **S-SWITCHES:** These "solo" Tracks 1-8.

BANK 17-24:
> **TOUCH FADERS:** These control the panning of Tracks 1-8.
> **S-SWITCHES:** These record-arm Tracks 1-8.

BANK 25-32:
> **TOUCH FADERS:** These control the panning of Tracks 1-8.
> **S-SWITCHES:** These select Tracks 1-8.

CubaseKS

This Program is almost the same as the Cubase Program described above, but this version allows you to turn MAX49's Sequencer on/off by pressing keys on its KEYBOARD. To do this:

1. Press SEQ SELECT so it is lit.
2. Press ON/OFF so it is lit.
3. Press and hold a key on MAX49's KEYBOARD. The Sequence will play (in that key) while the key is being held. When you release the key, the Sequence will stop.
   Note: (To "latch" the Sequencer, press [LATCH] so it is lit. When this button is activated, Sequencer playback will continue even after the key is released.)

Apple Logic Pro

Setup

You can use MAX49 with Logic Pro 8 or higher. MAX49's Mackie Control protocol allows it to act as a control surface for the DAW. To do this:

1. Connect MAX49 to your computer with the included USB cable. Open Logic Pro.

2. On MAX49, select the **Mackie Control** Program. Press the VALUE DIAL to load it.

3. In Logic Pro, click the **Logic Pro** menu, then select **Preferences ▶ MIDI**.

4. In the window that appears, select the **Control Surfaces** page, and click **Setup** in the lower right corner.

5. In the window that appears, click **New**, and select **Install**.

6. From the list that appears, select the device that lists **Mackie Designs** as the **Manufacturer** and **Mackie Control** as the **Model**.

7. Click **Add** in the lower right corner of the window, then close the window. *Do __not__ click* ***Scan****.*

8. Select **Mackie** as the **Out Port** and **Input**.

9. Close all the **Preferences** window.

Image-Line FL Studio

Setup

1. Download the FL Studio controller map to your computer from the included CD or from **www.akaipro.com/max49**.

2. With FL Studio closed, copy the entire MAX49 folder (the folder itself, not just its contents) to the following location in your computer: **C:\Program Files\Image-Line\FL Studio 8\Data\Projects\Templates\Hardware**.

3. Connect MAX49 to your computer with the included USB cable. Open FL Studio.

4. On MAX49, select the **FLStudio** or **FLStudKS** Program. Press the VALUE DIAL to load it.
   Note: If you have edited MAX49's Programs and are unable to load the Program, use the supplied Vyzex editor to load the Factory Preset Bank and "PUT" or download the factory preset bank into MAX49.

5. Press **F10**, or go to **Options ▶ MIDI Settings**.

6. Under **Output**, select **MAX49** (Windows 7/Vista) or **USB Audio Device** (Windows XP), and check the **Send master sync** box.

7. Under **Input**, select **MAX49** (Windows 7/Vista) or **USB Audio Device** (Windows XP), and check the **Enable** box.

8. For **Omni preview MIDI channel**, select **Channel 16**.

9. For **Generator muting MIDI channel**, select **Channel 15**.

10. Check the **Record to step sequencer** box.

MAX49's FL Studio Program is configured to use FL Studio's step sequencer. For working with the Piano Roll, use one of the Akai MPK's generic templates.

FLStudio

MAX49's FL Studio Program has a sampler channel dedicated to each pad:

- **Pad Bank A:** Plays each channel at its true pitch.
- **Pad Bank B:** Mutes the corresponding PAD.
- **Pad Bank C:** Selects the corresponding channel, allowing for each channel to be played chromatically with MAX49's KEYBOARD.
- **Pad Bank D:** Plays the sample loaded on the selected track in semitones.

MAX49's S-SWITCHES will select additional tracks beyond the first 12, allowing for easy selection of generators, VST plug-in channels, etc.

FLStudKS

This Program is almost the same as the FL Studio Program described above, but this version allows you to turn MAX49's Sequencer on/off by pressing keys on its KEYBOARD. To do this:

1. Press SEQ SELECT so it is lit.
2. Press ON/OFF so it is lit.
3. Press and hold a key on MAX49's KEYBOARD. The Sequence will play (in that key) while the key is being held. When you release the key, the Sequence will stop.

   Note: (To "latch" the Sequencer, press [LATCH] so it is lit. When this button is activated, Sequencer playback will continue even after the key is released.)

FXpansion GURU

FXpansion's GURU software is a very flexible and creative beat-making tool. GURU comes preset with default MIDI note and controller note mappings that serve several purposes. Notes can be set to trigger sounds, map a sound chromatically and play it from a keyboard, trigger different Patterns, and trigger different Scenes.

8 MIDI controllers are set up for use with the individual voice engines called "Pad Groups," and 8 more are set up for use with any of the FX Group. Please see the GURU manual for information on assigning these functions to the different parameters.

MAX49's GURU preset lets you take advantage of the software's most-used functions. This preset is meant to be used with GURU's **Generic Controller** map in the **Options** menu.

FX Guru

KEYBOARD: The keyboard is set to trigger pads from middle C up 16 notes. The default is set to control **Engine 1** on **MIDI Channel 1**. By editing the keyboard MIDI channel, you can select which voice engine you are controlling. We set middle C to be the pads so that if you have **Pattern keys play selected pad chromatically** in the **Options/MIDI** page, you will hear the currently selected pad played chromatically on the bottom two octaves of MAX49's keyboard. If you press the OCTAVE UP button twice, the drum pads will play on the lowest 16 notes of the keyboard and the notes from middle C up will trigger different Scenes.

TRANSPORT CONTROLS: GURU makes use of MMC for its transport controls. If you have the latest version of GURU it will automatically make use of MMC messages. GURU assigns the ◂◂ button to the **Commit** function and the ▸▸ button to the **Undo** function.

MIDI Controllers: We created 4 different options for continuous controller mapping with GURU. Since the MIDI controllers are color-coded in the software, we will call them as follows:

Red = 1
Orange = 2
Yellow = 3
Green = 4
Lt Blue = 5
Blue = 6
Purple = 7
Grey = 8

Controller Bank 1–8
- **TOUCH FADERS 1–8:** FX Group 1–8
- **S-SWITCHES 1–4:** Pad Group 5–8
- **S-SWITCHES 5–8:** FX Group 5–8

Controller Bank 9–16
- **TOUCH FADERS 1–8:** Pad Group 1–8 (reversed from Controller Bank A)
- **S-SWITCHES 1–4:** Pad Group 5–8
- **S-SWITCHES 5–8:** FX Group 5–8

Controller Bank 17–24
- **TOUCH FADERS 1–4:** Pad Group 1–4
- **TOUCH FADERS 5–8:** FX Group 5–8
- **S-SWITCHES 1–4:** Pad Group 5–8
- **S-SWITCHES 5–8:** FX Group 5–8

Controller Bank 25–32
- **TOUCH FADERS 1–4:** Pad Group 1–4
- **TOUCH FADERS 5–8:** FX Group 1–4

PADS: We intentionally mapped the pads to be chromatic. The pads can be customized for so many uses in GURU that we didn't want to make them too specialized. Currently, the 12 pads in Bank A and Pads 1-4 in Bank B will normally play the GURU pads. We left these set to the **Common** MIDI channel so that you could quickly change them to different voice engines by changing the Common Channel in Global Mode (see the GLOBAL MODE section of the included MAX49 Quickstart Guide).

Depending on how you are using GURU, if you want to change the pad note and channel mappings, keep this in mind:

- **Recording Patterns:** You may want to leave the way they are, allowing you to play your drum sounds and to shift engines via changing the Common Channel.
- **Playing Live:** You may want to assign the pads to different MIDI channels and notes so as to trigger Scenes or Patterns in a real-time DJ style work flow.

FXGuruKS

This Program is almost the same as the GURU Program described above, but this version allows you to turn MAX49's Sequencer on/off by pressing keys on its KEYBOARD. To do this:

1. Press SEQ SELECT so it is lit.
2. Press ON/OFF so it is lit.
3. Press and hold a key on MAX49's KEYBOARD. The Sequence will play (in that key) while the key is being held. When you release the key, the Sequence will stop.

   Note: (To "latch" the Sequencer, press [LATCH] so it is lit. When this button is activated, Sequencer playback will continue even after the key is released.)

Pro Tools

You can use MAX49 with Pro Tools or any other DAW that uses the HUI protocol. Using this protocol, MAX49 will act as a control surface for the DAW. To do this:

1. On MAX49, press [**SHIFT**] + [**HUI**].

2. Connect MAX49 to your computer with the included USB cable. Open Pro Tools.

3. In Pro Tools, go to **Setup ▶ Peripherals**, and select the **MIDI Controllers** tab.

4. Select **HUI** as the **#1 Type**.

5. Select **AkaiMAX49 Mackie** as the **#1 Receive From** and **#1 Send To**.

6. **Optional:** To enable MAX49's KEYBOARD to play MIDI notes while using its other controls as a Pro Tools control surface, select **M-Audio Keyboard** as the **#2 Type**, and select **AkaiMAX49 Port A** as the **#2 Receive From** and **#2 Send To**.

Chromatic

MAX49's Chromatic Program is a general preset where the 12 PADS' note messages are based on the chromatic scale. All PADS will send Note On messages, ascending chromatically from C2 (Pad 1, Pad Bank A) to B5 (Pad 12, Pad Bank D).

The PADS are set to MIDI Channel 2, the Sequencer is set to MIDI Channel 3, and the KEYBOARD is set to the Common Channel.

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