MIDI

Apps

MIDI Applications

可接收 MIDI 提供音源/乐器发声







Logic Pro

Ableton Live 9 Suite



Making sound

四岔路

1.1 GarageBand / Logic Pro

1.2 Ableton Live

2. Max

3. MSP

4. Max for Live

Making Sound

四岔路



MIDI Apps

Making Sound

1.1 GarageBand / Logic Pro



MIDI Apps

Making Sound

1.1 GarageBand / Logic Pro

新建工程 - 选择 Keyboard Collection





🗯 Untitled - Tracks

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Making Sound

1.1 GarageBand / Logic Pro

Suggestion

GB 自动匹配和更新 MIDI IN

MIDI 只匹配当前选中的单个音源

需要手动切换不同音源

调节 Smart Control 的参数

在基本音源上产生多种变化和效果

Making Sound

1.2 Ableton Live



MIDI Apps

Making Sound

1.2 Ableton Live

下载 安装 破解 网盘上选择 Mac/PC 版本 安装前先看破解视频 破解不成功重启电脑试一下

界面介绍

课上讲基本的面板和功能

需要深入了解的请看网盘里的中/英教程

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KEY

MIDI 7% D



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Making Sound

1.2 Ableton Live

CATEGORIES

Sounds Drums Instruments

MIDI 只是信息, 添加乐器或音源 才可以发声

.adv/.adg 文件为 Live 预制的各类音源和 乐器,配合 MIDI 发声

Clips Samples Drums

.wav/.alc/.aif 文件可以直接当做 Audio 使用

Audio & MIDI Effects

强大的效果器,为 audio & MIDI 增强效果



Making Sound

1.2 Ableton Live

拓展音源

导入音源和效果器到 PLACES 面版

网盘上的多种音源系列,下载后导入

电子素材 风格素材 舞曲包

MIDI Vocals

Making Sound

1.2 Ableton Live



Making Sound

1.2 Ableton Live

MIDI 配置

			Preferences
管理电脑上的 MIDI IN & OUT		Look Feel	Control Surface Input Output 1 RemoteSL ▼ SL MkII (Port 2) ▼ SL MkII (Port 2) ▼
Track: On/Off MIDI Port Remote: Mapping 时需要打开	Tab	Audio MIDI Sync File Folder Library	2 None ▼ None ▼ Dump 3 None ▼ None ▼ Dump 4 None ▼ None ▼ Dump 4 None ▼ None ▼ Dump 5 None ▼ None ▼ Dump 6 None ▼ None ▼ Dump Takeover Mode None ▼
MIDI Studio Default Default Configuration Add Device Remove Device Show Info Resc Mini SL Mkl S		Record Warp Launch CPU Licenses Maintenance	MIDI PortsTrackSyncRemote>Input:IAC Driver (Bus 1)OnOffOff>Input:Launchpad MiniOnOffOn>Input:SL MkII (Port 1)OnOffOn>Input:RemoteSL Input (SL MkII (Port 2))OnOffOn>Input:from Max 1OnOffOn>Input:from Max 2OffOffOff>Output:IAC Driver (Bus 1)OffOffOff>Output:Launchpad MiniOffOffOff>Output:SL MkII (Port 1)OnOnOff>Output:SL MkII (Port 1)OnOnfOff>Output:RemoteSL Output (SL MkII (Port 2))OffOffOff
			 ▷ Output: to Max 1 ○ Off ○ Off ○ Off ○ Output: to Max 2 ○ Off ○ Off ○ Off

Live > Preferences > MIDI Sync

Making Sound

1.2 Ableton Live

MIDI Mapping

MIDI Note 控制 Live 里的一切

包括:

MIDI/Audio Track

Command

Devices

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原理: Note 映射为指令

Note 和界面中的可控元素关联起来

D	MIDI Mappings				
с	Note/Control	Path	Name	Min	Max
1	Note A-1	8-Audio Mixer	Speaker On		а. С
1	Note C#-2	2-Audio	Slot 1		

Note C#-2 对应指令 Track 2-Audio 当 MIDI IN 为 Note C#-2 时 播放 2-Audio

Making Sound

Mapping Button

1.2 Ableton Live

MIDI Mapping - HOW TO DO

1

MIDI Sync: 打开 Remote

		MIDI Ports	Track	Sync	Remote
⊳	Input:	IAC Driver (Bus 1)	On	Off	Off
⊳	Input:	Launchpad Mini	On	Off	On
⊳	Input:	SL MkII (Port 1)	On	Off	On

配置好自己的 LIVE Project 选好自己想要的音轨和效果器

进入 MIDI Mapping 模式 点击最右上角的 MIDI 按钮

4

5

3

选中任意一个想用 MIDI 控制的控件 所有带紫色遮罩都是可以映射的

- 发送 MIDI 消息,匹配最近收到的 Note
- 所有带紫色遮罩都是可以映射的,映射的结果 显示在 Mappings 列表里
- 完成后退出 Mapping 模式 再点一下 MIDI 按钮,一定记得退出

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	MIDI Mappings	MIDI IN 收到	Note C#-2
с	Note/Control	Pa h	Name
1	Note A-1	7-Audio Mixer	Speaker On
	Note C#-2	2-Audio	Slot 1
1	Note C-2	3-Audio	Slot 2
1	Note C2	2-Audio Convolut	Gain
1	Note C6	2-Audio Convolut	Mod Rate
1	Note D#-2	5-Dope Matrix - C	Slot 1
1	Note D-2	4-Audio	Slot 1
1	Note E-1	3-Audio Mixer	Speaker On
1	Note E-2	180 Something	Slot 1
1	Note E3	2-Audio Convolut	Dry/Wet
1	Note E7	2-Audio Convolut	Mod Amount
1	Note F#-1	4-Audio Mixer	Speaker On
1	Note F-1	2-Audio Mixer	Speaker On
1	Note F-2	7-Audio	Slot 1
1	Note G#-1	180 Something M	Speaker On
1	Note G#0	2-Audio Convolut	Width
1	Note G#4	2-Audio Convolut	Predelay
1	Note G-1	5-Dope Matrix - C	Speaker On

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2-Audio Convolution Re

Making Sound

Live Performance: Poker Face

1. 多人协同完成EDM的现场演出

2. 每人分配一个声部,自由选择音色

3. 在 Arduino IDE 里编码 MIDI 乐谱

4. 使用数字传感器触发旋律, 模拟传感器控制音量

5. 在设定好的 Cue 点触发旋律

6. 用对应的方式演绎音符的强度

Poker Face 总谱

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4	N III	Synth Flute - lead1 [1]		Poker face																		
5	Rest of the second seco	Starlight Vox [1]		Poker face				_														
6	*	Square Bells [1] M S R	Ö,	Poker face 80																		
7		Airfield [1]	Ò,	Poker face 122																		
8	X	Massive Trance Pad [1]	Ò,	Poker face 90																		
9	X	Analog Horns 1	Ö,	Poker face 63																		
10	N.	SoCal [1] M S R	Ò,	Poker face							:::											
11	2	Square Bells [1]		Poker face 80									~									
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13	X	Soft Saw Lead [1]		Poker face 81										÷								
14	and services	Clarinet Solo [1] M S R		Poker face							++										Ť	
15		Boutique 808 GB [1]		Poker face																		

声部







Cue点

