Synido

TempoKEY W25

USER MANUAL

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MIDI Keyboard

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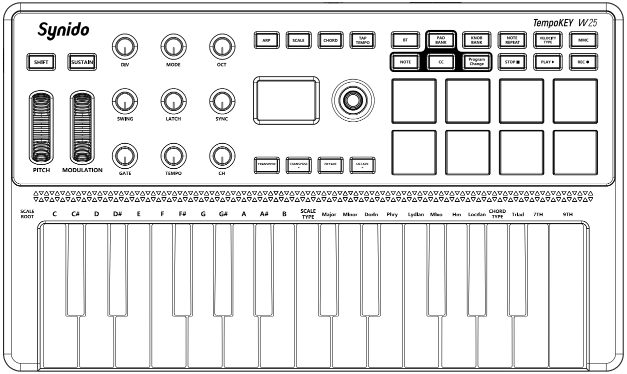
欢迎

感谢您选择 Synido TempoKEY W25 MIDI键盘！我们深信，这款融合了创新技术与人性化设计的音乐工具，将成为您探索音乐世界、释放创作灵感的得力伙伴。TempoKEY W25不仅仅是一个输入音符的工具，它更是一座连接您与无限音乐可能的桥梁。凭借其出色的演奏手感、丰富的控制选项和稳定的性能，TempoKEY W25能够满足从音乐创作、编曲制作到现场演出等各种场景的需求。无论您是经验丰富的音乐制作人，还是刚刚踏上音乐之旅的爱好者，TempoKEY W25都将以直观的操作界面、强大的功能和可靠的品质，助您轻松实现音乐创意，尽情享受音乐创作的乐趣。为了帮助您快速上手并充分发挥TempoKEY W25的性能，我们为您准备了这份详细的说明书。请您在使用前仔细阅读，并妥善保管以备日后查阅。值得特别提醒的是这款设备仅输出MIDI指令而不会产生声音信号，需要您具备一些相关的乐理知识及DAW宿主软件的使用技能才能合理运用它。

现在，让我们一起开启这段美妙的音乐旅程吧！

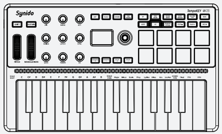


产品特点：

- 25个Mini Size力度感应琴键，用于演奏虚拟乐器/采样器.
- 8个力度/压力感应带背光打击垫，配有Aftertouch触后及音符重复功能，用于节拍制作，可切换2个鼓组或者作为16个控制器使用，支持自由切换分配Note、CC、PC信息.
- 9个可分配无极旋钮，可分2组作为18个控制器，用于发送CC和PC信息.
- 内置控制器参数编辑系统，OLED显示屏，硬件功能参数调节可视化.
- 3个走带控制按键，播放、停止、录制，支持CC指令映射及MMC指令自动配置，可一键切换MMC模式.
- 支持智能音阶与智能和弦生成，智能音阶带有Fixed Do固定调与Tonic首调两种模式；Tonic首调音阶模式下只需按白健，即可演奏大小调及中古调式曲风.
- 内置琶音器、弯音/调制滚轮、八度移调与半音移调、延音按键，支持MIDI Clock SYNC外部BPM速度同步.
- 支持BLE无线蓝牙MIDI连接，内置3000mAh大容量电池.
- 配套的电脑控制软件，可视化调制硬件端的功能分配.
- 配套控制软件内含120种经典乐器音色及8套鼓组，仅通过本软件即可进行发声演奏
- USB-C 连接接口，1/8" TRS (3.5mm）A型 MIDI In、MIDI Out、MIDI Thru标准MIDI传输接口，延音踏板接口.

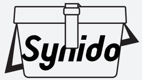
包装清单

x1



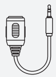
TempoKEY W25主机

x1



便携包

x3



3.5转5PIN母头DIN转换器

x1

USB-A转USB-C OTG 转接头

x1

USB-C转UCB-A数据线

x1

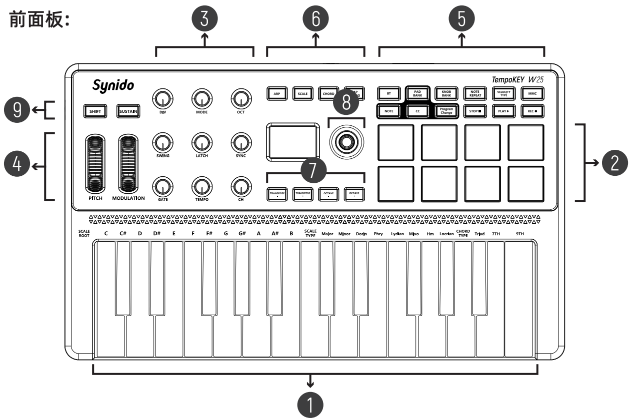
合格证

x1

使用说明书

面板说明

前面板:



1.键盘工作区域 25个Mini Size力度感应琴键，按压琴键以发送MIDI NOTE 音符指令信息用于触发虚拟乐器及采样音源播放，配合八度上调/下调（Octave + / - ）按键，可以控制8个八度音域的范围。

2.打击垫工作区域 4*2布局的8个硅胶打击垫，带有力度/压力感应与颜色背光灯显示，敲击打击垫以发送MIDI指令信息。打击垫有NOTE / CC / PC三种类型的MIDI信息切换，及PAD BANK A/B 两个自定义分组，可实现48种指令触发。

3.可分配旋钮区域 9个360°无极旋钮，拧动旋钮以发送MIDI指令信息，旋钮有KNOB BANK A/B 两个自定义分组，可实现18种指令触发。此外旋钮还带有ARP琶音器的设置调节功能，Note Repeat将会继承ARP琶音器中设置的参数，以及琴键区域的MIDI通道修改，可通过组合按键进行实现，详情见本说明书中Arpeggiator琶音器与Note Repeat音符重复功能介绍章节内容。

4.弯音/调制滚轮 可通过上下滚动滚轮控制键盘区域的音高及调制效果。

5.功能控制按键

按下BT按键可开启关闭BLE MIDI蓝牙功能；

按下PAD BANK 按键可依次切换A/B两个打击垫分组；

按下NOTE / CC / Program Change 按键可切换PAD BANK A/B两个打击垫分组中的MIDI指令信号类型；

按下KNOB BANK按键可依次切换A/B两个旋钮功能组；

按下NOTE REPEAT按键可开启/关闭打击垫区域的音符重复功能；

按下VELOCITY TYPE按键可依次切换键盘与打击垫区域的力度感应曲线；

3个走带控制按键，分别为STOP停止、PLAY播放、REC录制，可发送走带控制指令。指令以CC或MMC信息发送，可按下MMC按键一键将其切换为MMC指令。您可以通过本机功能设置或配套的控制软件编辑CC指令。

6.琶音器、智能音阶、智能和弦、节奏测速

按下ARP按键可激活/关闭琶音器功能；

按下SCALE按键可激活/关闭智能音阶功能；

按下CHORD按键可激活/关闭智能和弦功能；

按TAP TEMPO键可通过敲击速度确定ARP琶音器 / NOTE REPEAT音符重复的节拍速度；

7.移调调节按键 TRANSPOSE半音移调、OCTAVE八度调节，使用+/-按键，可向上或向下调整切换键盘的音域。

8.主控制旋钮/显示屏

360°无极带刻度反馈旋钮，可通过按压配合其它功能按键，旋转对打击垫、可分配旋钮、SUSTAIN延音按键、PITCH/MODULATION弯音调制滚轮、STOP/PLAY/REC走带控制按钮、SHIFT切换按键、SCALE智能音阶、VELOCITY的固定力度值进行功能参数设置。

进入功能参数设置界面后，旋转主控制旋钮，OLED显示屏中出现的选择框将在编辑界面的一级菜单选项中循环移动，选中您所需修改的选项后再次按压主控制旋钮将进入二级选项界面，旋转主控制旋钮选中您需要设置的参数，最后长按主控制旋钮3秒将退出功能参数设置界面，此时设置已完成。

主控制旋钮在未进入参数编辑的状态下，旋转将默认对主音量进行调节。

OLED液晶显示屏，可以显示TempoKEY的功能及参数信息，默认显示Synido品牌型号LOGO及设备电量，以操作为节点更新显示，若无操作则显示不变。

9.切换与延音按键

按下SHIFT按键可开启/关闭9个可分配旋钮的附属功能。

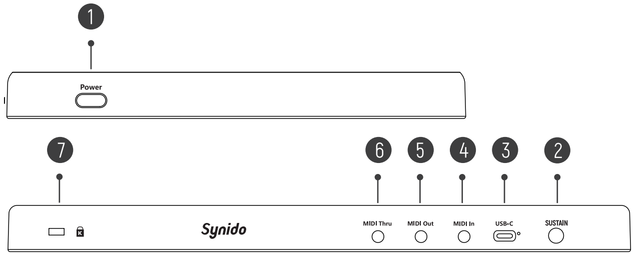
按下SUSTAIN按键可开启/关闭琴键区域的延音效果。

注意：SHIFT按键与SUSTAIN按键都可修改触发类型，“即时”或“切换”，默认为即时触发，您可根据使用习惯进行修改，修改方式为：通过长按主控制旋钮同时，按下需要修改的SHIFT/SUSTAIN 按键，您将进入参数配置界面，拧动主控制旋钮修改触发类型---“即时Momentary”或“切换Toggle”,再次长按主控制旋钮3秒将退出编辑界面。

即时Momentary： 按下不松手为开启On状态，松手为关闭Off状态。

切换Toggle： 按一下为开启On状态，再按一下为关闭Off状态。

接口面板：



1.Power: 主电源开关，拨动此开关可开启/关闭主设备电源。

2.SUSTAIN延音踏板接口： 可选用1/4英寸TS延音踏板连接到此处输入。

3.USB-C 接口： 使用 USB-A TO USB-C线缆将此 USB 端口连接到您的电脑。电脑的 USB 端口会为 TempoKEY W25 提供电力并与您的计算机交换数据。充电时旁边指示灯亮红色灯光，满电时亮绿色灯光。

4.MIDI In： 3.5mm插座，以标准MIDI协议输入信号，需要TRS - 5PIN DIN MIDI转接线（A型）。

5.MIDI Out： 3.5mm插座，以标准MIDI协议输出信号，需要TRS - 5PIN DIN MIDI转接线（A型）。当MIDI In接口有信号输入时，会将MIDI In接收到的MIDI信号与本机设备产生的MIDI信号一同从MIDI Out接口输出。

6.MIDI Thru：3.5mm插座，以标准MIDI协议复制输出接收到的MIDI In信号，需要TRS - 5PIN DIN MIDI转接线（A型）。

7.锁孔： 您可以使用此锁槽将TempoKEY W25固定在桌子或其它表面上。

丰富的MIDI接口，MIDI In、MIDI Out、MIDI Thru，您可通过菊式连接方式将其接入多台合成器，实现复杂的场景使用需求，同时支持“从设备”的MIDI Clock 时钟同步.

使用说明

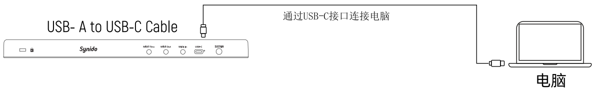
1.连接方式:

1.1有线连接

搭配主流电脑端DAW宿主软件进行使用

① 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

② 使用附带的USB-A TO USB-C线，将产品直接连接电脑



③ 打开您的DAW宿主软件，如Ableton Live，Cubase、FL Studio、Logic Pro等。

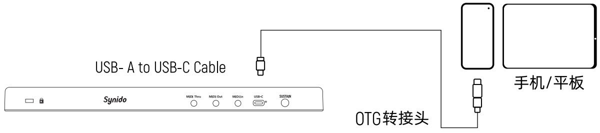
④ 打开 DAW宿主软件中 的 Preferences、Options 或 Device Setup选项，选择Synido TempoKEY W25作为输入与输出设备。

您的TempoKEY W25现在即可与您的DAW宿主软件进行通信。

搭配移动端手机/平板进行使用

① 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

② 使用附带的USB-A TO USB-C线、USB-A TO USB-C OTG转接头，将此两个部件连接至一起。



通过OTG转接头连接Phone/Pad

③将带有OTG转接头一端连接至手机/平板，另一端连接至TempoKEY W25设备。

注意： 1. 此方式也适用于电脑端USB-C接口连接。
2.Apple IOS端Lightling接口OTG转接头，因法规缘由，需用户自行购买。
3.因Apple移动设备端输出功率限制，连接Apple IOS手机/平板使用时可能会出现因供电不足导致的异常情况，使用前请确保TempoKEY W25自身电量充足。

1.2无线BLE蓝牙连接

BLE蓝牙MIDI连接Windows端电脑进行使用

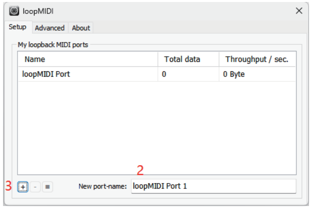
① 电脑端需提前下载安装MIDI Berry与Loop MIDI软件。

MIDI Berry　Loop MIDI

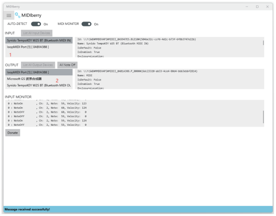
② 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

③ 按下功能按键区域的BT按键，此时BT按键以红色背光灯形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。

⑤ 双击打开Loop MIDI软件，Setup界面底部New port-name输入栏可自定义修改接口名称，默认为“loopMIDI Port”，单击输入栏最左侧的“+”，此时Ports列表中将显示接口信息。



⑥ 双击打开MIDI Berry软件，在INPUT列表中选择“Synido TempoKEY W25 BT”，在OUTPUT列表中选择“loopMIDI Port”，此时TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功，敲击打击垫PAD，INPUT MONITOR列表中将有数据显示；若无数据显示请按上叙步骤重新操作。



⑦ 打开您的DAW宿主软件，如Ableton Live、FL Studio、Logic Pro等。

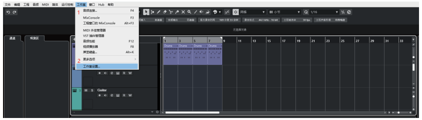
⑧ 打开 DAW宿主软件中 的 Preferences、Options 或 Device Setup选项，选择“loopMIDI Port”作为输入与输出设备。

您的TempoKEY W25现在即可与您的DAW宿主软件进行通信。

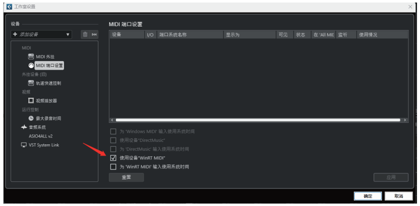
注意：Cubase软件带有WinRT MIDI功能，无需下载配置MIDI Berry 与Loop MIDI软件也可实现BLE无线蓝牙MIDI控制。

具体操作步骤如下：

① 双击打开Cubase软件，依次点击 工作室 >> 工作室设置。



② 在工作室设置界面中勾选“使用设备WinRT MIDI”。

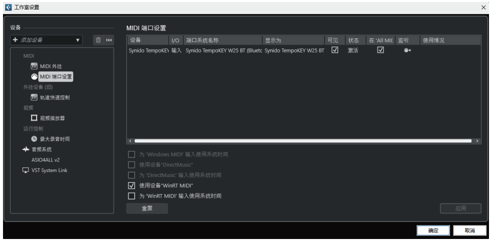


③ 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

④ 按下功能按键区域的BT按键，此时BT按键以红色背光灯形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。

⑤ 将电脑端蓝牙开启进行配对连接，设置>>>蓝牙与其他设备>> 蓝牙“开”>>添加设备>>蓝牙>>单击搜索列表中的“Synido TempoKEY W25 BT”，电脑界面显示Synido TempoKEY W25 BT“已配对”，此时BT按键仍以红色背光灯形式呈现。

⑥Cubase软件工作界面设置中将更新显示“Synido TempoKEY W25 BT”的输入/输出设备，状态为“激活”。此时TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功



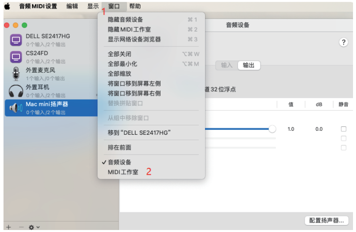
您的TempoKEY W25现在即可与您的DAW宿主软件进行通信。

BLE蓝牙MIDI连接Mac端电脑进行使用

① 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

② 按下功能按键区域的BT按键，此时BT按键以红色背光灯形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。

③ 打开Mac电脑端的“音频MIDI设置”程序软件，依次点击桌面左上角的窗口 >> MIDI工作室。



④ 在MIDI工作室界面中点击右上角的蓝牙图标。

⑤ 在新弹出的蓝牙配置界面中，选择设备名称为“Synido TempoKEY W25 BT”的“连接”选项。此时TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功。

⑥ 打开您的DAW宿主软件，如Ableton Live、FL Studio、Logic Pro等。

⑦ 打开 DAW宿主软件中 的 Preferences、Options 或 Device Setup选项，选择“Synido TempoKEY W25 BT”作为输入与输出设备。

您的TempoKEY W25现在即可与您的DAW宿主软件进行通信。

BLE蓝牙MIDI连接安卓端手机/平板进行使用

① 向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

② 按下功能按键区域的BT按键，此时BT按键以红色背光灯形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。

③ 在手机/平板设置中开启蓝牙功能。

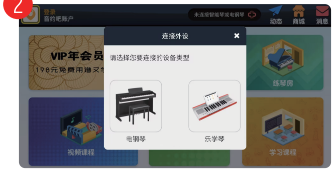
④ 以《完美钢琴》APP为例：打开《完美钢琴》前需提前下载《钢琴教练》

完美钢琴　　钢琴教练

⑤ 点击《钢琴教练》APP主界面右上方“未连接智能琴或电钢琴”选项，在弹出的新界面中连接的设备类型中选择电钢琴，再点击蓝牙连接中的“Synido TempoKEY W25 BT”设备，此时软件界面显示“已连接电钢琴”。TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功。

1

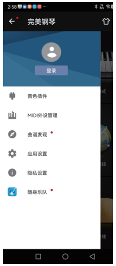
2



3

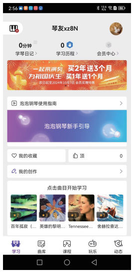
4

⑥ 请勿关闭《钢琴教练》APP，将其置于后台运行，打开《完美钢琴》APP左上角设置，在“MIDI外设管理”选项中显示USB MIDI “Synido TempoKEY W25 BT”设备已连接，此时已连接成功。



④ 以《泡泡钢琴》APP为例：打开《泡泡钢琴》APP后，点击软件界面左上角的钢琴图标。

⑤ 在新弹跳的软件界面设备列表中选择“Synido TempoKEY W25 BT”，此时设备已连接成功，TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功。点击“自由演奏”选项即可正常演奏了。



BLE蓝牙MIDI连接苹果IOS端手机/平板进行使用

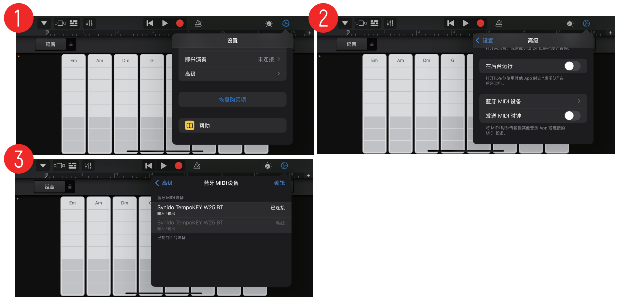
①向上拨动TempoKEY W25左侧部位的Power主电源开关，使产品处于开机状态，TempoKEY W25内置电源在有充足电量的情况下，LED显示屏界面与部分控制按钮灯光将点亮。

②按下功能按键区域的BT按键，此时BT按键以红色背光灯形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。

③在手机/平板设置中开启蓝牙功能。

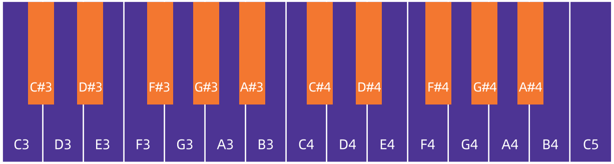
④以《库乐队》APP为例：打开《库乐队》APP后，选择音轨类别中的“键盘”或“鼓”选项。

⑤点击新界面右上角的设置图标，依次选择 高级 >> 蓝牙MIDI设备 >> Synido TempoKEY W25 BT。此时软件界面显示“已连接”。TempoKEY W25的BT按键将以蓝色背光灯形式呈现，代表BLE蓝牙已连接成功。



2. 琴键KeyS

Synido TempoKEY W25含有两个八度音域共25个琴键，琴键仅发送音符信息，音符编码数据不可任意修改，琴键从左至右依次所对应的音符信息如下图所示；



注意：因为不同DAW软件中钢琴卷帘所标记定义的中央C不同，因此发送的音符名信息会与DAW软件中显示不一致，此为正常情况。

您可通过TRANSPOSE半音移调与OCTAVE八度调节功能向上或向下移动琴键的音名与音域，详情见本说明书中TRANSPOSE半音移调/OCTAVE八度调节功能介绍章节内容。

琴键的NOTE信号默认在Channel通道1发送，您可通过长按SHIFT按键并拧动旋钮区域中的CH旋钮来快速修改琴键的NOTE信号输出通道。

3. 打击垫PADS

Synido TempoKEY W25的打击垫含有8个PAD，通过A/B两个组别可拓展为16个PAD，两组PAD的背光灯颜色组合不同以进行区分，可设置发送NOTE、CC、Program change信息，通过按下PAD BANK按键进行A/B两个组别的切换，PAD BANK按键白色背光为组别A，橙色背光为组别B；每组共有NOTE / CC / Program change三类信息存储，按下NOTE / CC / Program change按钮可触发指定类型的MIDI信息。选择NOTE/CC/Program change某一项时，其背光按钮与组别按钮灯光颜色一致（白灯或橙灯）常亮。您可在本机上设置（按住主控制旋钮的同时，按下需要设置的PAD1-PAD8中的某一个PAD，旋转主控制旋钮对选中的PAD进行设置，完成后长按主控制旋钮退出编辑界面）或在Synido TempoKEY W25官方软件中设置完成后存储到本机。

打击垫带有通道触后（Channel Aftertouch）功能，按下PAD后继续施加压力会产生Channel Aftertouch的控制信号，其可以用于实时控制各种音效参数，如音量、滤波器截止频率、颤音深度等。

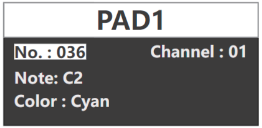
初始默认情况下，PAD发送的MIDI信息如下图所示：

BANK A	PAD 号	PAD 5	PAD 6	PAD 7	PAD 8
	NOTE/CC/PC 编码	40	41	42	43
	PAD 号	PAD 1	PAD 2	PAD 3	PAD 4
	NOTE/CC/PC 编码	36	37	38	39
BANK B	PAD 号	PAD 5	PAD 6	PAD 7	PAD 8
	NOTE/CC/PC 编码	48	49	50	51
	PAD 号	PAD 1	PAD 2	PAD 3	PAD 4
	NOTE/CC/PC 编码	44	45	46	47

默认触发时，MIDI信息都以Channel通道2发送，CC信息皆为Momentary即时触发形式。

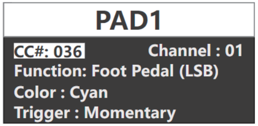
通过本机设置有16种PAD触发背光颜色以及Off关闭灯光可供选择，分别为：Red红色、Orange橘色、Yello黄色、Green绿色、Cyan青色、Blue蓝色、Purple紫色、Light purple浅紫、Light red浅红、Wine red酒红、Indigo purple靛紫、Light pink浅粉、pink深粉、Light blue浅蓝、Chartreuse浅黄绿、Light green浅绿

PAD参数设置界面：
打击垫有三种MIDI信息类型可供选择，分别为NOTE、CC、PC .



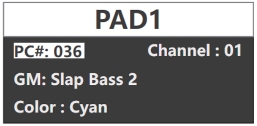
PAD选择发送NOTE信息时显示屏编辑界面

NO.： Note信号编码Number，范围0-127
Channel： Note信号发送Channel通道，范围 1-16
Note： 音符音高
Color: 背光灯颜色



PAD选择发送CC信息时显示屏编辑界面

CC#： CC信号编码Number，范围0-127
Channel： CC信号发送Channel通道，范围1-16
Function： CC编码所对应的功能名称
Color: 背光灯颜色
Trigger： 触发类型，Momentary即时触发与Toggle切换触发



PAD选择发送PC信息时显示屏编辑界面

NO.： PC信号编码Number，范围0-127
Channel： PC信号发送Channel通道，范围1-16
GM： PC编码所对应的标准GM音色名称
Color: 背光灯颜色

SynidoTempoKEY W25官方软件具体设定方法请详见本说明书文档中配置软件的使用说明部分。

音符速查表：

音符编号	音符音高	音符编号	音符音高	音符编号	音符音高	音符编号	音符音高
0	C-1	32	G#+1	64	E+4	96	C+7
1	C#-1	33	A+1	65	F+4	97	C#+7
2	D-1	34	A#+1	66	F#+4	98	D+7
3	D#-1	35	B+1	67	G+4	99	D#+7
4	E-1	36	C+2	68	G#+4	100	E+7
5	F-1	37	C#+2	69	A+4	101	F+7
6	F#-1	38	D+2	70	A#+4	102	F#+7
7	G-1	39	D#+2	71	B+4	103	G+7
8	G#-1	40	E+2	72	C+5	104	G#+7
9	A-1	41	F+2	73	C#+5	105	A+7
10	A#-1	42	F#+2	74	D+5	106	A#+7
11	B-1	43	G+2	75	D#+5	107	B+7
12	C0	44	G#+2	76	E+5	108	C+8
13	C#0	45	A+2	77	F+5	109	C#+8
14	D0	46	A#+2	78	F#+5	110	D+8
15	D#0	47	B+2	79	G+5	111	D#+8
16	E0	48	C+3	80	G#+5	112	E+8
17	F0	49	C#+3	81	A+5	113	F+8
18	F#0	50	D+3	82	A#+5	114	F#+8
19	G0	51	D#+3	83	B+5	115	G+8
20	G#0	52	E+3	84	C+6	116	G#+8
21	A0	53	F+3	85	C#+6	117	A+8
22	A#0	54	F#+3	86	D+6	118	A#+8
23	B0	55	G+3	87	D#+6	119	B+8
24	C+1	56	G#+3	88	E+6	120	C+9
25	C#+1	57	A+3	89	F+6	121	C#+9
26	D+1	58	A#+3	90	F#+6	122	D+9
27	D#+1	59	B+3	91	G+6	123	D#+9
28	E+1	60	C+4	92	G#+6	124	E+9
29	F+1	61	C#+4	93	A+6	125	F+9
30	F#+1	62	D+4	94	A#+6	126	F#+9
31	G+1	63	D#+4	95	B+6	127	G+9

注意：因为不同DAW软件中钢琴卷帘所标记定义的中央C不同，因此发送的音符名信息会与DAW软件中显示不一致。

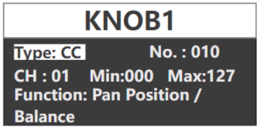
4. 可分配旋钮Knobs

9个可自定义功能分配的360°无极旋钮，可发送CC、PC信息，KNOB BANK有A/B两组可设置18种不同的参数信息，您可在本机上设置（按住主控制旋钮的同时，旋转需要设置的K1-K9中的某一个KNOB，旋转主控制旋钮对选中的KNOB参数进行设置，完成后长按主控制旋钮退出编辑界面）或在Synido TempoKEY W25官方软件中设置完成后存储到本机。并通过KNOB BANK按键快速切换分组，KNOB BANK按键白色背光为组别A，橙色背光为组别B。

默认情况下，KNOB发送CC信息如下图所示：

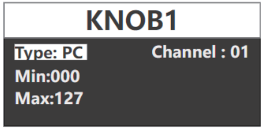
BANK A	旋钮	Knob1	Knob2	Knob3	Knob4	Knob5	Knob6	Knob7	Knob8	Knob9
	事件编号	CC#01	CC#02	CC#03	CC#04	CC#05	CC#06	CC#07	CC#08	CC#09
	通道	1	1	1	1	1	1	1	1	1
	最小值	0	0	0	0	0	0	0	0	0
	最大值	127	127	127	127	127	127	127	127	127
BANK B	旋钮	Knob1	Knob2	Knob3	Knob4	Knob5	Knob6	Knob7	Knob8	Knob9
	事件编号	CC#10	CC#11	CC#12	CC#13	CC#14	CC#15	CC#16	CC#17	CC#18
	通道	1	1	1	1	1	1	1	1	1
	最小值	0	0	0	0	0	0	0	0	0
	最大值	127	127	127	127	127	127	127	127	127

KNOB旋钮参数本机设置界面：
旋钮有两种MIDI信息类型可供选择，分别为CC、 PC（Program change）



旋钮选择发送CC控制信息时显示屏编辑界面

NO.： CC信号编码Number，范围0-127
CH： CC信号发送Channel通道，范围 1-16
Min： CC信号发送的参数范围最小值
Max： CC信号发送的参数范围最大值
Function： CC编码所对应的功能名称



旋钮选择发送PC控制信息时显示屏编辑界面

Channel： PC信号发送Channel通道，范围 1-16
Min： PC信号发送的编码范围最小值
Max： PC信号发送的编码范围最大值

SynidoTempoKEY W25官方软件具体设定方法请详见本说明书文档中配置软件的使用说明部分。

旋钮附带有ARP琶音器的参数设置调节功能以及琴键通道修改，ARP琶音器的参数调节项分别为：DIV音符时值 / MODE琶音方向 / OCT 八度跨越 / SWING 摇摆 / LATCH琶音保持/ SYNC 外部BPM同步 /GATE 音符长短 / TEMPO 节奏速度 。Note Repeat音符重复将会继承ARP琶音器中的DIV音符时值 / SWING 摇摆 / SYNC 外部BPM同步 / GATE音符长短 / TEMPO节奏速度的参数设置。详情见本说明书中Arpeggiator琶音器与Note Repeat音符重复功能介绍章节内容。

5.弯音PITCH BEND /调制 MODULATION滚轮

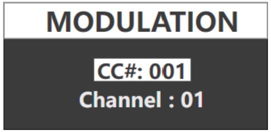
弯音轮（Pitch Bend Wheel）：

用于控制琴键区域音符音高的变化。当您滚动弯音轮并向上或向下移动时，音符的音高会相应地上升或下降，模拟弯曲弦乐器音高的效果。弯音轮具有归位弹簧，用户转动弯音轮后，如果松开，弯音轮会在弹力下归位至“中点”；弯音轮的信号通道Channel默认在通道1，您可通过本机设置修改其通道Channel数值（按住主控制旋钮的同时，滚动弯音轮 ，旋转主控制旋钮对弯音轮中的通道Channel进行修改，修改范围为1-16，完成后可长按主控制旋钮退出编辑界面）

Pitch Bend弯音通道修改界面：Channel通道范围为1-16

调制轮（Modulation Wheel）：

调制轮（Modulation Wheel）：用来调节音色的变化。通过调制轮控制音高的微小波动，产生颤音效果，常用于弦乐、铜管和合成器音色。或者控制滤波器截止频率的变化，改变声音的明亮度或暗淡度等，通过灵活使用调制轮，演奏者可以为音乐增添更多的动态和表现力。调制轮发送CC#1信号，其值范围为0到127。您可通过本机设置修改其CC编码、通道Channel数值（按住主控制旋钮的同时，滚动调制轮 ，旋转主控制旋钮对调制轮中的参数进行修改，CC编码修改范围为：0-127，通道Channel修改范围为1-16，完成后可长按主控制旋钮退出编辑界面）调制轮没有归位弹簧，用户转到哪里就停在哪里。



Modulation信息修改界面：CC#: CC信号编码Number，范围0-127
Channel通道范围为1-16

6.琶音器ARP

ARP: Arpeggiator On/Off，琶音器开/关，按下此按钮可打开或关闭琶音器。琶音器能够将单音或和弦自动转换为琶音序列，简化了演奏和制作过程，为音乐创作提供了更多的可能性和灵感。

按住SHIFT按键并拧动可分配旋钮区域中任一旋钮（旋钮下方文字对应相应功能）以输入琶音器的新设置：

DIV音符时值：

1/4（四分音符）、1/4T（四分音符三连音）、1/8（八分音符）、1/8T（八分音符三连音）、1/16（十六分音符）、1/16T（十六分音符三连音）、1/32（三十二分音符）、1/32T（三十二分音符三连音）

MODE琶音方向：

①**UP：**音符将从最低到最高发声。

②**DOWN:** 音符将从最高到最低发声。

③**EXCL：**音符会从最低到最高，然后再下降。 在方向改变时，最低和最高音符只会发声一次。

④**INCL:** 音符会从最低声到最高声，然后再下降。 在方向变化时，最低和最高音符会响起两次。

⑤**ORDER：**音符将按照它们被按下的顺序发声。

⑥**RAND：**音符将按随机顺序发声”

OCT八度跨越：

OCT1、OCT2、OCT3、OCT4，控制演奏的音符将通过琶音的八度音阶数，OCT1为默认初始设置音阶。

SWING 摇摆量：

SWING功能通过调整音符的时序，使原本均匀的节奏产生一种“摇摆”的感觉，常用于爵士、布鲁斯、放克等音乐风格。数值控制范围为：50%（关闭）、55%、57%、59%、61%、64%、67%、70%、73%、76%

LATCH琶音保持：

On / Off，即使您抬起手指，琶音器也会继续对音符进行琶音。在按住琴键的同时，您可以通过按下其他琴键向琶音和弦添加更多音符。如果您按下琴键，松开它们，然后按下新的音符组合，琶音器将记住并琶音新音符。

SYNC同步：

On / Off ，开启时可接收外部MIDI 时钟同步信息，TempoKEY W25将忽略本机设置的TEMPO值，按主MIDI时钟BPM节奏运行琶音器ARP与音符重复NOTE REPEAT功能。

GATE音符长短：

用于控制每个音符的持续时间。通过调整GATE值，可以影响音乐的表现力、节奏感和音色表现。数值控制范围为：10%、20%、30%、40%、50%、60%、70%、80%、90%、100%

TEMPO节拍速度：

用于控制琶音器的速度，及四分音符下每分钟的拍数BPM（Beats Per Minute），数值范围为：20 - 240 BPM；或可通过敲击TAP TEMPO按钮来修改数值。

7.智能音阶SCALE

音阶是指一组有序的音符，按照一定的规律排列而成的音程序列，音阶通常用来描述音高的变化。智能音阶功能允许用户选择特定的音阶（大调、小调、中古调式音阶），并将键盘区域的输出音符限制在该音阶内，通过限制音符到特定音阶，演奏者可以更容易地演奏和谐的音乐，无需担心按错音符。

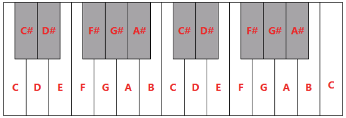
音符的限制排列有两种类型，即固定调类型Fixed Do与首调类型Tonic；产品初始默认处于Fixed Do固定调类型，您可在本机上进行修改（按住主控制旋钮的同时，按下SCALE按键，旋转主控制旋钮对音阶的音符限制排列类型进行修改，完成后长按主控制旋钮退出编辑界面），两种类型的介绍如下；

固定调类型Fixed Do：将某个音阶内包含的有效音符，固定在原始音阶排列下原本所处的琴键位置上。不包含在音阶内的音符将会从原始音阶排列中剔除，剔除后空余的琴键音符将会跟随前一个有效音符。

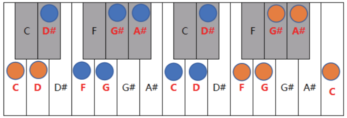
首调类型Tonic：将某个音阶内包含的有效音符，按顺序全部置于一个八度内的7个白键中，5个黑键的音符将会跟随前一个白键的音符。此模式下您可只需触发白键即可演奏固定调式音阶的旋律，无需理会黑键。

以D#大调音阶为例，其音阶内包含的有效音符为：D#、F、G、G#、A#、C、D

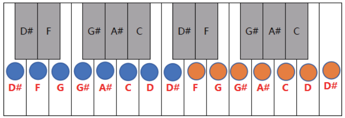
25个琴键原始音阶音符的排列如下：



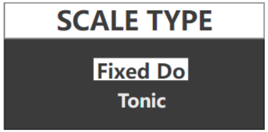
固定调类型Fixed Do下D#大调音阶的音符排列如下：蓝色圆圈所处的琴键为一个八度内的有效音符，橙色圆圈所处的琴键为其它八度内的有效音符。



首调类型Tonic下D#大调音阶的音符排列如下：蓝色圆圈所处的琴键为一个八度内的有效音符，橙色圆圈所处的琴键为另一个八度内的有效音符。



SCALE音阶音符排列类型修改界面：两种音阶音符排列类型，固定调Fixed Do 与Tonic 首调



智能音阶共有8种音阶模式可供选择，分别为：大调音阶（Major Scale）、小调音阶（Natural Minor Scale）、多利亚音阶（Dorian Mode）、弗里吉亚音阶（Phrygian Mode）、利底亚音阶（Lydian Mode）、混合利底亚音阶（Mixolydian Mode）、小调和声音阶（Harmonic Minor Scale）、洛克里亚音阶（Locrian Scale）

大调音阶（Major Scale）：

音程关系为全全半全全全半，常用于流行音乐、古典音乐、儿童音乐等，表达快乐、光明和积极的情感。

小调音阶（Natural Minor Scale）：

音程关系为全半全全半全全，常用于悲伤的抒情曲、古典音乐、爵士乐等，表达忧郁、沉思和悲伤的情感。

多利亚音阶（Dorian Mode）：

音程关系为全半全全全半全，常用于爵士乐、布鲁斯、摇滚乐等，表达一种复杂的情感，既有明亮的一面，又有忧郁的一面。

弗里吉亚音阶（Phrygian Mode）：

音程关系为半全全全半全全，常用于弗拉门戈音乐、金属乐、电影配乐等，表达神秘、紧张和异域风情。

利底亚音阶（Lydian Mode）：

音程关系为全全全半全全半，常用于电影配乐、新世纪音乐、爵士乐等，表达梦幻、希望和神秘的情感。

混合利底亚音阶（Mixolydian Mode）：

音程关系为全全半全全半全，常用于布鲁斯、摇滚、乡村音乐等，表达活力、自由和略带忧郁的氛围。

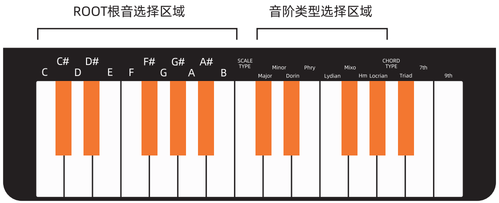
小调和声音阶（Harmonic Minor Scale）：

音程关系为全半全全半 全1.5(增二度）半，常用于古典音乐、中东音乐、金属乐等，表达神秘、紧张和异域风情。

洛克里亚音阶（Locrian Scale）：

音程关系为半全全半全全全，常用于实验音乐、现代古典音乐、金属乐等，表达不稳定、紧张和不和谐的情感。

按下SCALE按键开启音阶模式后，初始默认为以C作为ROOT根音的C大调音阶C Major Scale，您可通过长按SCALE按键的同时，按下SCALE ROOT区域的琴键和SCALE TYPE区域的琴键来修改ROOT根音和音阶类型（琴键上方的文字对应相应选项），修改的音阶信息会同步显示在OLED显示屏界面中。或在Synido TempoKEY W25官方软件中设置完成后存储到本机。



SynidoTempoKEY W25官方软件具体设定方法请详见本说明书文档中配置软件的使用说明部分。

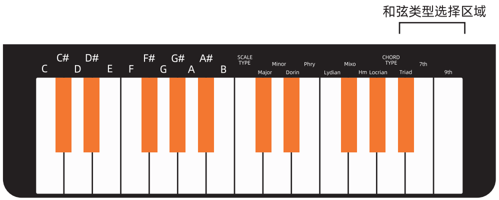
8.智能和弦CHORD

和弦是音乐中的基本元素之一，由三个或更多音符按照特定的音程关系组合而成。通过灵活使用不同的和弦类型和进行，演奏者和制作人可以创造出丰富多样的音乐作品。和弦在音乐创作、演奏和音效设计中具有广泛的应用，帮助表达音乐情感和构建和声结构。通过理解和掌握和弦的特点和应用，演奏者和制作人可以更好地表达音乐情感，创造出更加生动和个性化的音乐作品,常见的和弦类型包括三和弦Triad、七和弦7TH、九和弦9TH等。

本产品可在选定的音阶调式下自动生成三和弦Triad、七和弦7TH、九和弦9TH。

按下CHORD按键即可开启智能和弦功能，在未开启智能音阶SCALE的情况，默认为C大调Maior音阶下的三和弦，按下琴键依次会触发C大三和弦（C）--- C E G 、D小三和弦（Dm）---D F A 、E小三和弦（Em）---E G B 、F大三和弦（F）---F A C 、G大三和弦（G）---G B D 、A小三和弦（Am）---A C E 、B减三和弦（B°）--- B D F

您可通过本机设置修改和弦类型，长按CHORD按键的同时，按下CHORD TYPE区域的琴键来修改和弦类型，即三和弦Triad、七和弦7TH、九和弦9TH（琴键上方的文字对应相应选项），修改的和弦类型信息会同步显示在OLED显示屏界面中。或在Synido TempoKEY W25官方软件中设置完成后存储到本机。



只开启CHORD智能和弦是无法同步音阶调式的，需要同时开启SCALE智能音阶与CHORD智能和弦功能，此时CHORD智能和弦才会继承来自SCLAE智能音阶中所设置的音阶调式。长按SCALE按键的同时，按下SCALE ROOT区域的琴键和SCALE TYPE区域的琴键来修改ROOT根音和音阶类型（琴键上方的文字对应相应选项），此项操作将完成CHORD智能和弦中音阶调式的修改。

9.节奏测速TAP TEMPO

TempoKEY W25具有节奏测速设置BPM速度功能，在开启ARP琶音器或Note Repeat音符重复功能时，通过反复按压TAP TEMPO按键进行测速设定。该按键下面的LED灯会闪烁，闪烁的快慢代表了节拍速度，速度范围为20 - 240。连续按下多次设备会测速，灯光跟随用户按键的速度闪亮，即完成设置。

注意： 1. ARP琶音器与Note Repeat音符重复的BPM值保持一致，非独立分开。
2.当开启SYNC外部时钟节奏同步时，TempoKEY W25 将按照外部主MIDI时钟MIDI Clock发送端的BPM值运行琶音器与音符重复，TAP TEMPO设置的BPM值不起作用。

10.NOTE REPEAT音符重复

TempoKEY W25具备音符重复功能。开启音符重复功能，设备打击垫区域将按照ARP琶音器既定的DIV音符时值、SWING摇摆量、GATE音符长度和TEMPO节拍速度重复发送音符信息；您可在本机上设置（按住SHIFT按键并拧动可分配旋钮区域中任一旋钮（旋钮下方文字对应相应功能）以输入琶音器的新设置）或在Synido TempoKEY W25官方软件中设置完成后存储到本机。

①. DIV音符时值：

1/4（四分音符）、1/4T（四分音符三连音）、1/8（八分音符）、1/8T（八分音符三连音）、1/16（十六分音符）、1/16T（十六分音符三连音）、1/32（三十二分音符）、1/32T（三十二分音符三连音）

②. SWING 摇摆量：

50%（关闭）、55%、57%、59%、61%、64%、67%、70%、73%、76%

③. GATE音符长短：

10%、20%、30%、40%、50%、60%、70%、80%、90%、100%

④. TEMPO节拍速度：

20 - 240

TAP TEMPO按钮：

该按钮用于设置节拍速度。如果音符重复（NOTE　REPEAT）功能处于打开状态，该按键下面的LED灯会闪烁，闪烁的快慢代表了节拍速度。连续按下多次设备会测速，灯光跟随用户按键的速度闪亮，即完成设置。

注意：NOTE　REPEAT功能仅对音符事件生效，当设定PAD发送CC或PC事件时，NOTE REPEAT功能不起作用。

11. VELOCITY TYPE力度曲线

TempoKEY W25有四种力度曲线以适应不同的演奏习惯，分别是固定力度Fixed、柔软Soft、中等Medium、强硬Hard。力度曲线将影响按压琴键与敲击PAD强弱所输出音符力度的反馈，按VELOCITY TYPE按键依次切换不同的力度曲线，按键的背光指示当前的力度曲线类型：

固定力度Fixed-白色：

在该模式下无论您按压的强弱如何，琴键与打击垫始终输出固定力度。默认的输出力度为127，您可在本机上设置（按住主控制旋钮的同时，按下VELOCITY TYPEL按键，旋转主控制旋钮对固定力度值进行设置，完成后可长按主控制旋钮退出编辑界面）或在Synido TempoKEY W25官方软件中设置完成后存储到本机；

柔软Soft-蓝色：

适用于习惯用较小力气的演奏者，轻按琴键或PAD就可以得到较高的力度值；

中等Medium-绿色：

力度与MIDI值呈线性关系，适用于大部分音乐和表演者；

强硬Hard-红色：

适用于习惯用较大力气的演奏者，需要较强力度的按压敲击琴键或PAD才能得到较大的力度值。

12.走带控制按键

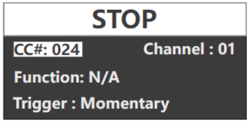
TempoKEY W25具有3个带背光的走带控制按钮：停止、播放、录制按钮，用于控制DAW软件中的停止、播放、录制功能，按下可以发送CC信号，实际并没有其功能，需要通过DAW的MIDI学习功能，将按键映射到具体操作。CC信号指令可以进行编辑，修改其CC编码和触发类型Momentary即时、Toggle切换，您可在本机上设置（按住主控制旋钮的同时，按下需要修改的走带控制按键，旋转主控制旋钮对其按键中的参数进行修改，完成后可长按主控制旋钮退出编辑界面）或在Synido TempoKEY W25官方软件中设置完成后存储到本机。

默认情况下，按下按键发送的CC信号见下表：

走带按键	停止	播放	录制
CC编码#	24	25	26
通道	1	1	1
触发类型	即时	即时	即时

走带按键参数本机设置界面：

STOP、PLAY、REC的CC编码及Channel通道都可进行修改，下图以STOP按键为例，其它同理



STOP走带按键显示屏编辑界面

CC#：CC信号编码Number，范围0-127

Channel：CC信号发送Channel通道，范围1-16

Function：CC编码所对应的功能名称

Trigger：触发类型，Momentary即时触发与Toggle切换触发

功能按键区域顶端最右侧的MMC按键，开启后可将三个走带控制按键一键切换至MMC信号指令，此时其带有实际的走带控制功能，在支持MMC指令的DAW宿主软件中不需映射即可实现走带控制功能；个别DAW软件使用前需要在软件中打开MMC接收功能。

支持MMC指令的DAW宿主软件如：Cubase、FL Studio、Studio one、Pro Tools、Logic Pro X、Reaper、库乐队（移动端）

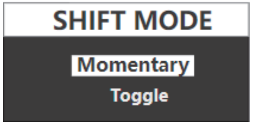
13.移调调节按键

TempoKEY W25 支持TRANSPOSE半音移调与OCTAVE八度调节功能，使用+/-按键，可向上或向下调整切换键盘的音域。TRANPOSE半音移调可将键盘区域音高整体提高或降低一个或多个半音，如将C4移至C#4或B3，可调范围是-6到+6，同时按下+/-按键可归零；OCTAVE的八度调节可将键盘区域音高整体提高或降低一个或多个八度，如将C4移至C5或C3，可调范围是-3到+3，同时按下+/-按键可归零。这些功能在音乐制作和演奏中非常实用，能显著提升灵活性和效率。

注意：因为不同DAW软件中钢琴卷帘所标记定义的中央C不同，因此发送的音符信息会与DAW软件中显示不一致。

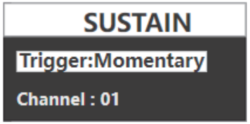
14.切换SHIFT与延音SUSTAIN按键

SHIFT切换按键主要是将可控制旋钮区域的9个旋钮切换至ARP琶音器设置调节与琴键通道修改的功能，其有两种触发激活开启的形式：Momentary即时触发与Toggle切换触发；产品默认为Momentary即时触发形式：即长按住SHIFT按键才激活开启，松手将关闭；可通过本机设置修改（按住主控制旋钮的同时，按下SHIFT按键，旋转主控制旋钮对触发类型进行修改，完成后可长按主控制旋钮退出编辑界面）。Toggle切换触发形式为：按一下SHIFT按键即激活开启，再按一下SHIFT按键将关闭；此形式可更加方便的对ARP琶音器的参数进行设置，但在非ARP琶音器的使用场景下，请记得关闭SHIFT切换按键。



SHIFT按键修改触发类型时显示屏编辑界面

SUSTAIN延音按键可替代延音踏板功能，在未接入延音踏板的情况下，开启也可达到延音的效果；延音开启后，音符在琴键松开后仍可继续发声，它能增强旋律表现力，使和弦更丰满。其有两种触发激活开启的形式：Momentary即时触发与Toggle切换触发；产品默认为Momentary即时触发形式：即长按住SHIFT按键才激活开启，松手将关闭；可通过本机设置修改（按住主控制旋钮的同时，按下SHIFT按键，旋转主控制旋钮对触发类型进行修改，完成后可长按主控制旋钮退出编辑界面）。Toggle切换触发形式为：按一下SUSTAIN按键即激活开启，再按一下SUSTAIN按键将关闭。



SUSTAIN按键设置时显示屏编辑界面

Trigger:

触发类型，Momentary即时触发与Toggle切换触发

Channel:

CC信号发送Channel通道，范围 1-16

15.MIDI蓝牙

TempoKEY W25支持BLE低功耗MIDI蓝牙功能，与经典蓝牙不同，无法通过传统蓝牙形式进行搜寻连接通讯，与各设备端详细的连接方式，请查阅本说明书中《无线BLE蓝牙连接》章节内容。

默认情况下BLE 蓝牙为关闭状态，按下BT按键，此时BT按键以红色背光灯常亮形式呈现，代表TempoKEY W25蓝牙功能已开启，设备处于可搜寻待配对连接状态。连接成功后BT按键以蓝色背光灯常亮形式呈现。长按可关闭BLE蓝牙功能，此时BT按键不亮灯。

16.恢复出厂设置/查看固件版本

恢复出厂设置：

同时长按TAP TEMPO + NOTE + CC这三个按键，TempoKEY W25将闪烁红灯约1秒即恢复正常，此时已将TempoKEY W25恢复为默认出厂设置。

查看固件版本：

长按主控制旋钮不松手，再按下BT按键，显示屏将进入产品固件查阅界面，界面显示的信息分别为BT蓝牙版本，Soft产品固件版本，Hard产品硬件版本。

配套软件说明

1.软件下载与安装

Synido TempoKEY W25提供有一个配套软件，用来写入或读取TempoKEY W25中的参数设置，实现各种MIDI命令的发送；

配套软件的下载地址为：**https://www.synido.cn/support/downloads**
下载后请运行程序，执行安装；

2.软件界面

① 菜单栏；

② 自定义旋钮设置区域；

③ 自定义打击垫设置区域；

④ 发送/获取硬件上的设置，连接状态指示；

⑤ 走带按键设置区；

⑥ 琶音器、固定力度值与力度曲线、音阶和弦设置区域；

⑦ 自由演奏，打击垫与琴键音色及通道选择区域

3.设备占用（仅适用于WINDOWS系统）

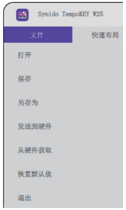
设备的连接状态显示在软件的右上角（④处），只有显示已连接时，软件才可以写入或读取TempoPAD的参数配置；

如果此处显示”已连接”表示此时软件和TempoPAD连接正常，软件可以和设备传输配置；

如果此处显示”未连接“可能是因为设备没有正常连接到电脑，或者有DAW此时正在占用设备，将会跳窗提醒“此设备已占用”；您需要退出DAW，或其他正在占用此MIDI设备的程序，有时还需要重新连接设备。

4.菜单栏

菜单栏的功能有：打开、保存、另存为、发送到硬件、从硬件获取、恢复默认值和退出。



打开：读取一个参数配置文件；

保存：将当前的参数配置保存在当前预设文件中，如当前无预设文件将会打开对话框保存到新的文件中，文件以stm后缀保存；

另存为：将当前参数配置保存成新的预设文件；

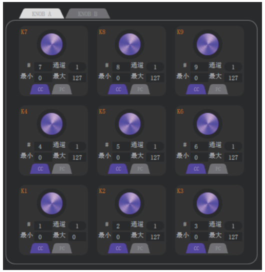
发送到硬件：将当前参数配置发送到TempoKEY；

从硬件获取：从TempoKEY上获取参数配置；

恢复默认值：恢复出厂设置默认的参数配置；

退出：退出控制面板

5.可分配旋钮设置



点击储存标签切换想要编辑的组（9个可分配旋钮整体为一个KNOB BANK控制组别）；

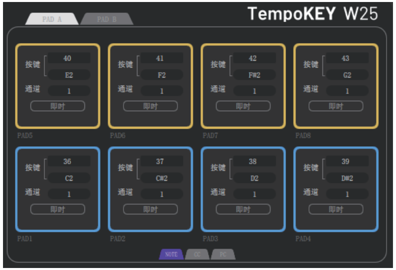
点击标签选择事件类型，可选的类型有：CC、PC事件；

#为输入想要的CC事件编码，您可在本说明书尾页，查看详细的CC编码对应功能；

输入最小值、最大值确定旋钮的控制范围；

选择事件的通道：1 - 16

6.PAD设置



点击储存标签切换AB两个分组；

点击PAD的标签选择事件类型：可选的类型有：NOTE音符、CC、和PC（Program Change）；

点击通道选择事件发送的通道；

如果选择NOTE音符事件，在按键栏中输入数字，或点击音名调整音符的音高；在音符事件中无法选择即时/切换功能；

如果选择CC事件，在按键栏中输入事件编码，设置切换/即时触发选项；

如果选择PC事件，在按键栏中输入事件编号；PC事件模式中，切换/即时功能不可用，每次按压PAD发送一次PC事件；

提示：即时模式下：按下一个按键时发送值为127的事件，松开琴键时发送值0的事件；切换功能模式下：每完成一次按下并离开按键的操作时，交替发送值为127和0的事件.

注意：PAD背光灯颜色你可使用本机设置进行修改，长按住主控制旋钮的同时，按下需要设置的PAD1-PAD8中的某一个PAD ，旋转主控制旋钮对选中的PAD进行设置（进入功能参数设置界面后，旋转主控制旋钮，OLED显示屏中出现的选择框将在编辑界面的一级菜单选项中循环移动，选中Color选项后再次按压主控制旋钮将进入二级选项界面，旋转主控制旋钮选择你需要的背光颜色），完成后长按主控制旋钮退出编辑界面。

7.参数获取/发送

发送到硬件：将当前参数配置发送到TempoKEY；

从硬件获取：从TempoKEY上获取参数配置；

注意：在配置软件端修改的任何参数，需要点击“发送到硬件”才能应用于TempoKEY W25设备并生效。

8.走带控制按键

走带控制按键可发送CC及MMC信号，MMC需要在设备端开启，且指令为固定功能；您可在软件端修改CC信号参数

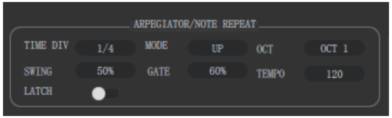
输入CC事件编号；

点击按钮切换触发类型：即时或是切换；

选择事件的通道；

提示：即时模式下：按下一个按键时发送值为127的事件，松开琴键时发送值0的事件；切换功能模式下：每完成一次按下并离开按键的操作时，交替发送值为127和0的事件.

9.琶音器/音符重复参数设置



DIV音符时值：

1/4（四分音符）、1/4T（四分音符三连音）、1/8（八分音符）、1/8T（八分音符三连音）、1/16（十六分音符）、1/16T（十六分音符三连音）、1/32（三十二分音符）、1/32T（三十二分音符三连音）

MODE琶音方向：

① UP：音符将从最低到最高发声。

② DOWN: 音符将从最高到最低发声。

③ EXCL：音符会从最低到最高，然后再下降。 在方向改变时，最低和最高音符只会发声一次。

④ INCL: 音符会从最低声到最高声，然后再下降。 在方向变化时，最低和最高音符会响起两次。

⑤ ORDER：音符将按照它们被按下的顺序发声。

⑥“RAND：音符将按随机顺序发声”

OCT八度跨越：

OCT1、OCT2、OCT3、OCT4，控制演奏的音符将通过琶音的八度音阶数，OCT1为默认初始设置音阶。

SWING 摇摆量：

SWING功能通过调整音符的时序，使原本均匀的节奏产生一种“摇摆”的感觉，常用于爵士、布鲁斯、放克等音乐风格。数值控制范围为：50%（关闭）、55%、57%、59%、61%、64%、67%、70%、73%、76%

GATE音符长短：

用于控制每个音符的持续时间。通过调整GATE值，可以影响音乐的表现力、节奏感和音色表现。数值控制范围为：10%、20%、30%、40%、50%、60%、70%、80%、90%、100%

TEMPO节拍速度：

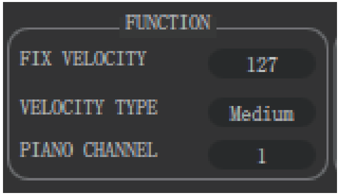
用于控制琶音器的速度，及四分音符下每分钟的拍数BPM（Beats Per Minute），数值范围为：20 - 240 BPM；或可通过敲击TAP TEMPO按钮来修改数值。

LATCH琶音保持：

On / Off，即使您抬起手指，琶音器也会继续对音符进行琶音。在按住琴键的同时，您可以通过按下其他琴键向琶音和弦添加更多音符。如果您按下琴键，松开它们，然后按下新的音符组合，琶音器将记住并琶音新音符。

在NOTE REPEAT音符重复中，将继承ARPEGGIATOR 琶音器中的DIV音符时值、SWING 摇摆量、GATE音符长短、TEMPO节拍速度

10.固定力度值与力度曲线、琴键通道



琴键与打击垫力度曲线，可选择力度感应类型为：

Soft柔软，适用于习惯用较小力气敲击打击垫的演奏者，轻敲琴键或PAD就可以得到较高的力度值

Medium中等，力度与MIDI值呈线性关系，适用于大部分音乐和表演者

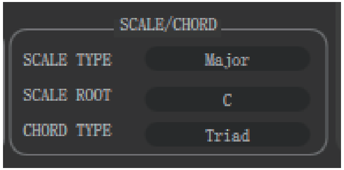
Hard强硬，适用于习惯用较大力气敲击打击垫的演奏者，需要较强的敲击才能得到较大的力度值

FIxed固定力度，忽略实际演奏力度，无论您敲击的强弱如何，打击垫始终以固定力度值发送音符信息.

FIX VELOCITY VALUE可修改固定力度值参数，设置范围为 0 - 127

PIANO CHANNEL：琴键区域的MIDI信号发送通道设置，设置范围为1-16

11.音阶/和弦设置

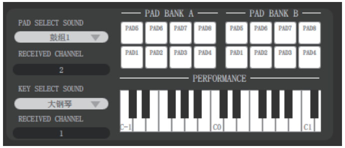


SCALE TYPE：音阶模式选择，共八个，大调音阶（Major Scale）、小调音阶（Natural Minor Scale）、多利亚音阶（Dorian Mode）、弗里吉亚音阶（Phrygian Mode）、利底亚音阶（Lydian Mode）、混合利底亚音阶（Mixolydian Mode）、小调和声音阶（Harmonic Minor Scale）、洛克里亚音阶（Locrian Scale）

SCALE ROOT：音阶根音选择， C、C#、D、D#、E、F、F#、G、G#、A、A#、B

CHORD TYPE：和弦类型，Triad 三和弦、7TH 七和弦、 9TH 九和弦

12.自由演奏，打击垫与琴键音色及通道选择区域



Synido参数配置软件中已带有GM标准音色，无需使用其它的DAW软件，仅通过本软件即可进行发声演奏；音色选择分为两块区域：打击垫PAD和琴键KEY，分别对应了TempoKEY W25的打击垫和琴键区域，您可分别给其配置不同的音色。需要注意的是：打击垫与琴键区域的不同音色触发是通过RECEIVED CHANNEL 接收通道来进行区分的，默认状态下打击垫PAD处于CHANNEL 通道2，琴键KEY处于CHANNEL 通道1，请勿将其设置为相同的通道；此外，硬件设备的打击垫PAD与琴键KEY发送的通道也请于软件端设置的一致。

PAD SELECT SOUND：打击垫PAD区域音色选择

RECEIVED CHANNEL：打击垫PAD区域音色接收的通道选择，选择范围为：1-16

KEY SELECT SOUND：琴键KEY区域音色选择

RECEIVED CHANNEL：琴键KEY区域音色接收的通道选择，选择范围为：1-16

下图为GM音色表：

钢琴	吉他类	合奏类	管乐类	合成效果类	音效类	色彩打击类	贝斯类
大钢琴	尼龙弦吉他	弦乐合奏1	短笛	雨声	吉他换把杂音	钢片琴	大贝斯(声学贝斯)
明亮的钢琴	钢弦吉他	弦乐合奏2	长笛	音轨	呼吸声	钟琴	电贝司(指弹)
电钢琴(三角钢琴)	爵士电吉他	合成弦乐合奏1	竖笛	水晶	海浪声	八音盒	电贝司(拨片)
酒吧钢琴	清音电吉他	合成弦乐合奏2	排萧	大气	鸟鸣	颤音琴	无品贝斯
电钢琴1	闷音电吉他	人声“啊'	芦笛	明亮	电话铃	马林巴琴	掌击贝斯1
电钢琴2	电吉他(带过载)	人声“嘟”	日本尺八口	鬼怪	直升机	木琴	掌击贝斯2
拨弦古钢琴	电吉他(带失真)	合成人声	口哨声	回声	鼓掌声	管钟	电子合成贝斯1
击弦古钢琴	吉他和音	管弦乐敲击齐奏	奥卡雷那	星空	枪声	大扬琴	电子合成贝斯2
铜管类	**合成主音**	**民族乐器**	**风琴类**	**弦乐类**	**簧片类**	**合成背景类**	**鼓类**
小号	合成主音1(方波)	西塔尔(印度)	拉杆风琴	小提琴	高音萨克斯风	合成音色1(幻想曲)	808鼓
长号	合成主音2(锯齿波)	班卓琴(美洲)	打击式风琴	中提琴	次中音萨克斯风	合成音色2(温暖)	鼓组1
大号	合成主音3	三味线(日本)	摇滚风琴	大提琴	中音萨克斯风	合成音色3	鼓组2
加弱音器小号	合成主音4	十三弦筝(日本)	教堂风琴	低音大提琴	低音萨克斯风	合成音色4(合唱)	鼓组3
法国号(圆号)	合成主音5	卡林巴	簧管风琴	弦乐群颤音	双簧管	合成音色5	鼓组4
铜管组	合成主音6(人声)	风笛	手风琴	弦乐群拨弦	英国管	合成音色6(金属声)	鼓组5
合成铜管1	合成主音7(平行五度)	名族提琴	口琴	竖琴	巴松(大管)	合成音色7(光环)	鼓组6
合成铜管2	合成主音8(贝斯加主音)	山奈	班多钮琴	定音鼓	单簧管(黑管)	合成音色8	鼓组7

13.快速布局

快速布局可以让你以一定的规律快速的将某些功能布局到面板上，点击菜单栏中的快速布局打开窗口。在窗口中填写相应的参数，并勾选后，点击右侧的应用即可将参数快速布局到面板。

旋钮：快速设置CC值、大小范围、起始/终止旋钮范围，通道；

打击垫：快速设置CC、NOTE、PC值

1.起始编码：MIDI信息起始的编码信息，输入范围为0 - 127.

2.升序 / 降序： “升序”时起始编码将依次递增一位； “降序”时起始编码将依次递减一位.

3.最小/最大：CC事件参数的最小值到最大值范围

4.触发类型：即时触发、切换触发

14.固件升级

先连接设备，直到软件显示“已连接”状态；

点击帮助菜单关于，在打开的对话栏中点击firmware update；

警告：升级前请保证当前所处网络状况良好，升级过程中保持网络畅通，勿进行其它操作,升级故障或将导致产品无法工作，可在Syndio官网FAQ板块查看“固件升级”操作指引，或联系官方客服进行解决。

产品规格

产品型号：TempoKEY W25	**产品尺寸：**369.5 * 219.5 * 50.5mm
产品颜色：紫色	**产品材质：**塑料+硅胶
整机功耗：720mA	**产品重量：**1250g
电池容量：3000mAh（满电状态下可待机5小时）	**MIDI接口：**TRS (Type A) MIDI In / Out / Thru

售后服务

若您有任何售后服务需求，微信扫描下方二维码，联系官方客服：

Synido小助手
工作时间：
10:00-22:00(周一至周日）

附录

a. MIDI事件解释

事件：即一条MIDI指令。

通道：在MIDI协议中有16个通道，绝大多数MIDI事件包含通道信息。用户可以在接收设备上设置仅接收某个通道的事件，如A设备仅接收通道1事件，B设备仅接收通道2事件。然后当用户可以在发送设备上发送通道1事件来控制A设备，发送通道2事件来控制B设备。

CC事件：即控制器变化事件（Controller Change）。一个CC事件包含以下几个信息：通道号、CC编号、事件值。MIDI协议定义了一些特定CC编号功能，如CC#7号事件为主音量事件，CC#64是延音踏板事件；有些CC指令未被指派功能，即用户可以自行定义。CC事件的定义详见附录；

CC事件可以是单独一条指令：比如按下某PAD上发送一条CC#64号，值127的指令，接收端接收到指令后执行打开延音踏板动作；也可以是连续的多条指令，比如旋转一个旋钮，发送CC#7号，值从0发送到127的事件，系统收到指令后，将音量从最小调整至最大。

PC事件：即程序变更事件（Program Change）。也是控制命令的一种。包含通道信息和事件编号。通常用来表示音色更换。

即时按键：当按下一个按键（按钮）时发送开启事件，松开琴键（按钮）时发送关闭事件；比如用打击垫模仿琴键的功能时，按下打击垫时发送“音符开启”指令，当离开打击垫时发送“音符关闭”指令。

切换按键：每完成一次按下并离开按键的操作时，交替发送开启和关闭事件；比如可以作为开关使用：每敲击一次PAD交替发送值127和0的指令，在接收端设定127为开，0为关闭，达成控制效果。

b. CC默认事件列表

CC 0 (BankSel MSB)
CC 1 (Modulation)
CC 2 (Breath)
CC 3 (Control 3)
CC 4 (Foot)
CC 5 (Portamento)
CC 6 (DataEnt MSB)
CC 7 (Main Volume)
CC 8 (Balance)
CC 9 (Control 9)
CC 10 (Pan)
CC 11 (Expression)
CC 12 (Control 12)
CC 13 (Control 13)
CC 14 (Control 14)
CC 15 (Control 15)
CC 16 (Gen Purp 1)
CC 17 (Gen Purp 2)
CC 43 (Expr LSB)
CC 44 (Control 44)
CC 45 (Control 45)
CC 46 (Control 46)
CC 47 (Control 47)
CC 48 (Control 48)
CC 49 (Control 49)
CC 50 (Control 50)
CC 51 (Control 51)
CC 52 (Control 52)
CC 53 (Control 53)
CC 54 (Control 54)
CC 55 (Control 55)
CC 56 (Control 56)
CC 57 (Control 57)
CC 58 (Control 58)
CC 59 (Control 59)
CC 60 (Control 60)
CC 86 (Control 86)
CC 87 (Control 87)
CC 88 (Control 88)
CC 89 (Control 89)
CC 90 (Control 90)
CC 91 (ExtEff 1 Depth)
CC 92 (ExtEff 2 Depth)
CC 93 (ExtEff 3 Depth)
CC 94 (ExtEff 4 Depth)
CC 95 (ExtEff 5 Depth)
CC 96 (Data Incr)
CC 97 (Data Decr)
CC 98 (NRPN LSB)
CC 99 (NRPN MSB)
CC 100 (RPN LSB)
CC 101 (RPN MSB)
CC 102 (Control 102)
CC 103 (Control 103)

CC 18 (Gen Purp 3)
CC 19 (Gen Purp 4)
CC 20 (Control 20)
CC 21 (Control 21)
CC 22 (Control 22)
CC 23 (Control 23)
CC 24 (Control 24)
CC 25 (Control 25)
CC 26 (Control 26)
CC 27 (Control 27)
CC 28 (Control 28)
CC 29 (Control 29)
CC 30 (Control 30)
CC 31 (Control 31)
CC 32 (BankSel LSB)
CC 33 (Modulation LSB)
CC 34 (Breath LSB)
CC 35 (Control 35)
CC 36 (Foot LSB)
CC 37 (Porta LSB)
CC 38 (DataEnt LSB)
CC 39 (Main Volume LSR)
CC 40 (Balance LSB)
CC 41 (Control 41)
CC 42 (Pan LSB)
CC 61 (Control 61)
CC 62 (Control 62)
CC 63 (Control 63)
CC 64 (Sustain)
CC 65 (Porta On/Off)
CC 66 (Sostenuto)
CC 67 (Soft Pedal)
CC 68 (Legato FS)
CC 69 (Hold 2)
CC 70 (Sound Var)
CC 71 (Harmonic)
CC 72 (Release Time)
CC 73 (Attack Time)
CC 74 (Brightness)
CC 75 (Control 75)
CC 76 (Control 76)
CC 77 (Control 77)
CC 78 (Control 78)
CC 79 (Control 79)
CC 80 (Gen Purp 5)
CC 81 (Gen Purp 6)
CC 82 (Gen Purp 7)
CC 83 (Gen Purp 8)
CC 84 (Porta Ctrl)
CC 85 (Control 85)
CC 104 (Control 104)
CC 105 (Control 105)
CC 106 (Control 106)
CC 107 (Control 107)
CC 108 (Control 108)
CC 109 (Control 109)
CC 110 (Control 110)
CC 111 (Control 111)
CC 112 (Control 112)
CC 113 (Control 113)
CC 114 (Control 114)
CC 115 (Control 115)
CC 116 (Control 116)
CC 117 (Control 117)
CC 118 (Control 118)
CC 119 (Control 119)
CC 120 (AllSndOff)
CC 121 (Reset Ctrl)
CC 122 (Local Ctrl)
CC 123 (AllNoteOff)
CC 124 (Omni Mode Off)
CC 125 (Omni Mode On)
CC 126 (Mono Mode On)
CC 127 (Poly Mode On)

特别感谢

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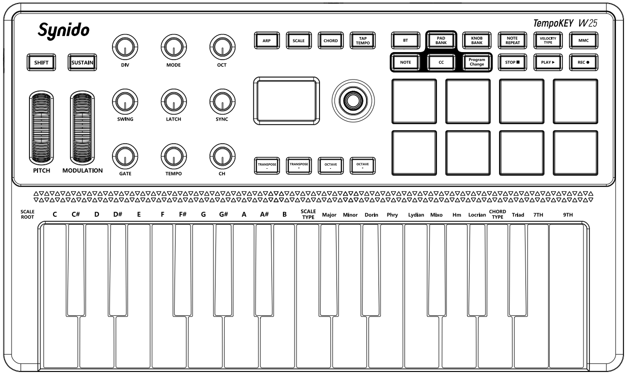
WELCOME

Thank you for choosing the Synido TempoKEY W25 MIDI Keyboard! We firmly believe that this innovative and user-friendly musical tool will become your reliable partner in exploring the world of music and unleashing your creative inspiration. The TempoKEY W25 is more than just a note-input device—it is a bridge connecting you to limitless musical possibilities. With its outstanding playability, rich control options, and stable performance, the TempoKEY W25 is well-equipped to meet the demands of various scenarios, from music composition and arranging to live performances. Whether you are a seasoned music producer or a beginner just starting your musical journey, the TempoKEY W25 will support you with its intuitive interface, powerful features, and dependable quality—helping you bring your musical ideas to life with ease and enjoy the creative process to the fullest. To help you get started quickly and make the most of the TempoKEY W25's capabilities, we have prepared this detailed user manual. Please read it carefully before use and keep it in a safe place for future reference. Important Note: This device only outputs MIDI data and does not generate sound on its own. To use it effectively, you should have some basic knowledge of music theory and be familiar with DAW (Digital Audio Workstation) software. Now, let's embark on this wonderful musical journey together!

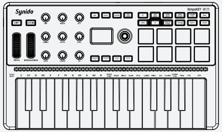


Product Features:

- 25 mini-size velocity-sensitive keys for playing virtual instruments
- 8 velocity/pressure sensitive backlit pads with Aftertouch and note repeat for beat making, switchable between 2 drum kits or used as 16 controllers, support for free switching of Note, CC, PC information.
- 9 assignable continuously variable speed rotary knobs,can be divided into 2 groups as 18 controllers, used to send CC and PC information.
- Built-in controller parameter editing system with an OLED display for real-time, visual adjustment of hardware parameters.
- 3 transport control buttons – Play, Stop, and Record – supporting CC mapping and MMC auto-configuration, with one-touch MMC mode switching.
- Support intelligent scale and chord generation. The intelligent scale has two modes: Fixed Do and Tonic. In Tonic mode, simply playing white keys enables performance in major, minor, and medieval tunes.
- Built-in arpeggiator, pitch bend/modulation wheel, octave and semitone transposition, sustain button, support MIDI Clock SYNC external BPM speed synchronization.
- Supports BLE wireless Bluetooth MIDI connection, with a built-in 3000mAh high-capacity battery.
- Supporting computer software for intuitive, visual configuration of hardware functions.
- The accompanying control software contains 120 classic instrument sounds and 8 drum kits, which can be used to play sounds only through this software.
- USB-C port, 1/8" TRS (3.5mm) Type A MIDI In, MIDI Out, and MIDI Thru standard MIDI interfaces, and a sustain pedal socket.

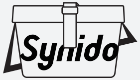
PACKING LIST

x1



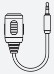
TempoKEY W25

x1



Canvas zipper pouch

x3



MIDI 5-pin DIN Plug Female to 3.5mm (1/8'')TRS Adapter Cable

x1

USB-A to USB-C Cable

x1

USB-A to USB-C OTG Adapter

x1

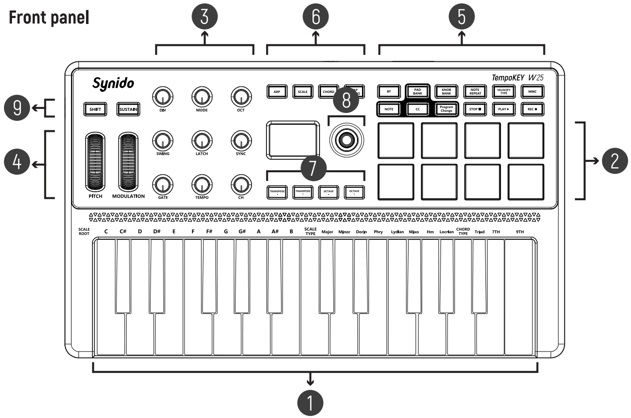
Certificate of compliance

x1

User manual

PANEL DESCRIPTION

Front panel



1. Keyboard Play Area Equipped with 25 mini-size velocity-sensitive keys, which transmit MIDI NOTE messages when pressed to trigger virtual instruments and sample sources. Paired with Octave Up/Down (+ / -) buttons, the keyboard allows control across an 8-octave range.

2.Pad Control AreaThe 4×2 layout includes 8 silicone velocity- and pressure-sensitive pads with RGB back-lighting. Each pad can transmit MIDI messages in NOTE, CC, or PC mode. With two customized pad groups(A/B), a total of 48 unique MIDI commands can be assigned.

3.Assignable Knob Area A total of 360° continuously variable speed rotary knobs – turning the knobs sends MIDI messages. The knobs support two customized groups, KNOB BANK A/B, allowing for up to 18 assignable MIDI controls. In addition, the knobs are used to adjust settings for the built-in arpeggiator. Parameters set in the arpeggiator will also be inherited by the Note Repeat function. The knobs also support changing the MIDI channel for the keyboard section via key combinations. For more details, please refer to the "Arpeggiator" and "Note Repeat" sections in this manual.

4. Pitch Bend / Modulation Wheel You can control the pitch and modulation effects of the keyboard section by scrolling the wheel up or down.

5. Function Control Buttons Press the BT button to turn on/off the BLE MIDI Bluetooth function.Press the PAD BANK button to toggle between PAD BANK A/B for two different pad groups.Press the NOTE / CC / Program Change button to switch between MIDI message types (NOTE, CC, Program Change) for the pads in PAD BANK A/B.Press the KNOB BANK button to toggle between the KNOB BANK A/B for two different knob function groups.Press the NOTE REPEAT button to enable or disable the Note Repeat function for the pad area.Press the VELOCITY TYPE button to cycle through the different velocity sensitivity curves for both the keyboard and pad areas.Three control buttons: STOP (Stop), PLAY (Play), and REC (Record), which can send control commands. The commands are transmitted as either CC or MMC messages. You can press the MMC button to switch them to MMC commands with a single press. You can also edit the CC commands using the device's built-in settings or the companion control software.

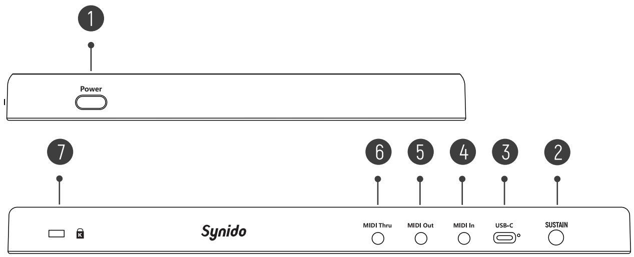
6. Arpeggiator, Smart Scale, Smart Chord, and Tempo Tap Press the ARP button to activate or deactivate the Arpeggiator function.Press the SCALE button to activate or deactivate the Smart Scale function.Press the CHORD button to activate or deactivate the Smart Chord function.Press the TAP TEMPO button to set the Arpeggiator or Note Repeat tempo by tapping the speed.

7.Transpose Adjustment Buttons TRANSPOSE (semitone transposition) and OCTAVE (octave adjustment) are controlled using the + / - buttons, allowing you to adjust the keyboard's pitch range both up and down.

8.Main Control Knob / Display Screen 360° continuously variable speed rotary knob with tactile feedback – By pressing and rotating the knob in combination with other function buttons, you can adjust settings for the pads, assignable knobs, SUSTAIN button, PITCH/MODULATION wheels, STOP/PLAY/REC control buttons, Note Repeat, ARP Arpeggiator, SCALE Smart Scale, and VELOCITY fixed velocity values.After entering the function parameter settings interface, rotate the Main Control Knob to cycle through the options in the first-level menu on the OLED display. Once you select the option you wish to modify, press the knob again to enter the second-level options interface. Rotate the knob to select the parameter you want to set, and finally, press and hold the knob for 3 seconds to exit the settings interface. Your settings will be saved at this point.When not in the parameter editing mode, rotating the Main Control Knob will default to adjusting the master volume.The OLED display shows the functionality and parameter information of TempoKEY. It defaults to displaying the Synido brand logo and updates based on your actions. If there is no operation, the display will remain unchanged.

9. Shift and Sustain Buttons Press the SHIFT button to enable or disable the additional functions of the 9 assignable knobs.Press the SUSTAIN button to enable or disable the sustain effect for the keyboard section.Note: Both the SHIFT button and the SUSTAIN button allow you to modify the trigger type, choosing between "Momentary" or "Toggle". The default setting is Momentary, but you can change it based on your preferences. To modify the trigger type, press and hold the Main Control Knob while pressing the SHIFT/SUSTAIN button you want to change. This will enter the parameter configuration interface. Then, rotate the Main Control Knob to select the trigger type – "Momentary" or "Toggle". Afterward, press and hold the Main Control Knob for 3 seconds to exit the editing interface.Momentary: Press and hold to turn on (ON), release to turn off (OFF).Toggle: Press once to turn on (ON), press again to turn off (OFF).

Back panel



1.Power: The main power switch turns the device on/off.

2.SUSTAIN Pedal Jack: A 1/4-inch TS sustain pedal can be connected to this input.

3.USB-C Interface: Connect this USB port to your computer using a USB-A to USB-C cable. The computer's USB port provides power and data exchange with the TempoPAD C16. The indicator light next to it lights up red when charging and lights up green when fully charged.

4.MIDI In: 3.5mm jack for standard MIDI input; requires TRS to 5-PIN DIN MIDI adapter (Type A).

5.MIDI Out: 3.5mm jack for standard MIDI output; requires TRS to 5-PIN DIN MIDI adapter (Type A). When there is a signal input to the MIDI In interface, the MIDI signal received by MIDI In and the MIDI signal generated by the local device will be output from the MIDI Out interface together.

6.MIDI Thru: 3.5mm jack for standard MIDI output to replicate incoming MIDI signals; requires TRS to 5-PIN DIN MIDI adapter (Type A).

7.Lock Slot: You can use this slot to secure the TempoKEY W25 to a table or other surfaces.

Comprehensive MIDI interfaces (MIDI In, MIDI Out, MIDI Thru) allow daisy-chain connectivity to multiple synthesizers for complex application scenarios, with support for MIDI Clock synchronization in 'Slave' mode.

OPERATING GUIDE

1.Connection Methods

1.1 Wired Connection

Using with Desktop DAW Software

① Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

② Use the included USB-A to USB-C cable to connect the device directly to your computer.

③ Open your DAW software, such as Ableton Live, Cubase, FL Studio, or Logic Pro.

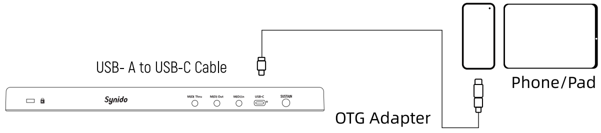
④ I In your DAW software, navigate to Preferences, Options, or Device Setup, and select Synido TempoKEY W25 as both the input and output device.Your TempoKEY W25 can now communicate with your DAW software.

Using with Mobile Devices (Phone/Tablet)

Using with Mobile Devices (Phone/Tablet)

① Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

② Connect the included USB-A to USB-C cable and USB-A to USB-C OTG adapter together.



Use OTG adapter to connect phone/Pad

③ Connect the end with the OTG adapter to your phone/tablet and the other end to the TempoKEY W25 device.

Note: 1. This method is also applicable for connecting to a computer's USB-C interface.
2. For Apple iOS devices, users must purchase a Lightning to OTG adapter due to regulations.
3. Due to power output limitations of Apple mobile devices, using the TempoKEY W25 with an Apple iOS phone/tablet may result in issues caused by insufficient power supply. Please ensure the TempoKEY W25 is adequately charged before use.

1.2 Wireless BLE Bluetooth Connection

Using with Windows Computer

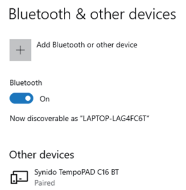
① Before connecting, download and install MIDI Berry and Loop MIDI software on your computer.

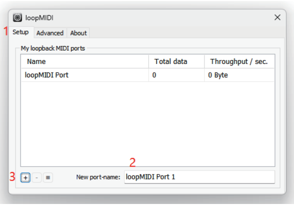
MIDI Berry Loop MIDI

② Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

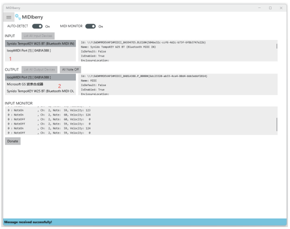
③ Press the BT button in the function key area; the button will light up red, indicating that the TempoKEY W25's Bluetooth function is activated and the device is in pairing mode.

④ On your computer, enable Bluetooth to pair the devices: Go to Settings >>> Bluetooth & other devices >>> Turn on Bluetooth >>> Add Bluetooth or other device >>> Bluetooth >>> Click on "Synido TempoKEY W25 BT" in the search list. The computer interface will show that "Synido TempoKEY W25 BT" is paired, and the BT button will continue to display a red backlight.





⑥ Open the MIDI Berry software; select "Synido TempoKEY W25 BT" in the INPUT list and "loopMIDI Port" in the OUTPUT list. The BT button on the TempoKEY W25 will now show a blue backlight, indicating a successful BLE Bluetooth connection. When you hit the pads, the INPUT MONITOR list will display data; if no data appears, please repeat the steps above.

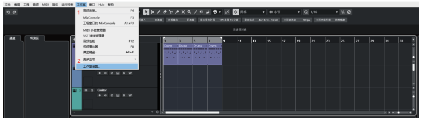


⑦ Open your DAW software, such as Ableton Live, FL Studio, or Logic Pro.

⑧ In your DAW software, navigate to Preferences, Options, or Device Setup, and select "loopMIDI Port" as both the input and output device.

Note: Cubase software features WinRT MIDI functionality, allowing BLE wireless Bluetooth MIDI control without needing to download and configure MIDI Berry and Loop MIDI software. Follow these steps:

① Open Cubase and navigate to Studio >> Studio Setup.

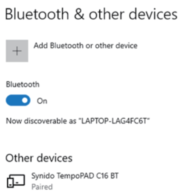


② In the Studio Setup window, check the box for "Use Device WinRT MIDI."

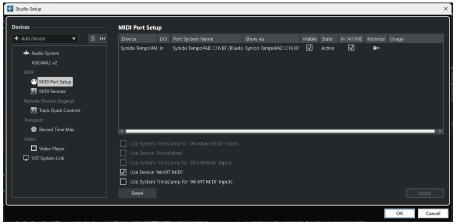
③ Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

④ Press the BT button in the function key area; the button will light up red, indicating the Bluetooth function is active and the device is discoverable.

⑤ Enable Bluetooth on your computer for pairing: Go to Settings >>> Bluetooth & other devices >>> Turn on Bluetooth >>> Add Bluetooth or other device >>> Bluetooth >>> Click "Synido TempoKEY W25 BT" in the search list. The computer will display that "Synido TempoKEY W25 BT" is paired, and the BT button will remain red.



⑥ In Cubase's working interface, the input device will update to show "Synido TempoKEY W25 BT," status as "Active." The BT button will now display a blue backlight, indicating a successful BLE Bluetooth connection.



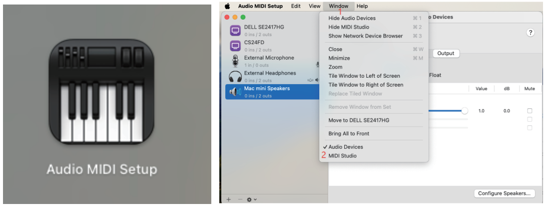
Your TempoKEY W25 can now communicate with Cubase software.

BLE Bluetooth MIDI Connection for Mac Computers

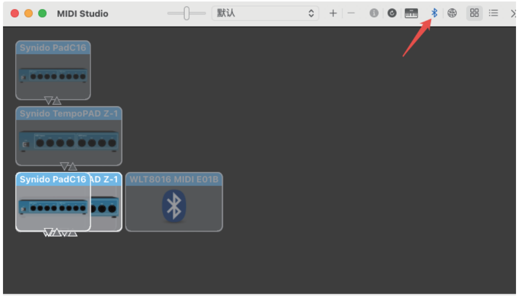
① Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

② Press the BT button in the function key area; the button will light up red, indicating the Bluetooth function is active and the device is discoverable.

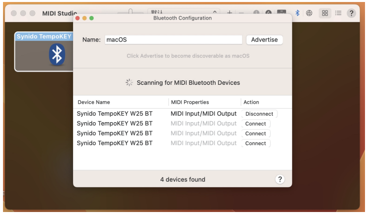
③ Open the "Audio MIDI Setup" application on your Mac, then click on MIDI Studio in the top left corner.



④ In the MIDI Studio window, click the Bluetooth icon in



⑤ In the newly opened Bluetooth configuration window, select the "Connect" option for the device named "Synido TempoKEY W25 BT." The BT button will display a blue backlight, indicating a successful BLE Bluetooth connection.



⑥ Open your DAW software, such as Ableton Live, FL Studio, or Logic Pro.

⑦ In your DAW software, navigate to Preferences, Options, or Device Setup, and select

"Synido TempoKEY W25 BT" as both the input and output device.

BLE Bluetooth MIDI Connection for iPhones/iPads

① Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

② Press the BT button in the function key area; the button will light up red, indicating the Bluetooth function is active and the device is discoverable.

③ Enable Bluetooth on your phone/pad.

④ Using the "POP Piano" app as another example: After opening the app, click on the piano icon in the upper left corner.

⑤ In the new interface that pops up, select "Synido TempoKEY W25 BT" from the device list. The device will be successfully connected, and the BT button will display a blue backlight, indicating a successful BLE Bluetooth connection. Click on "Free Play" to start playing.

BLE Bluetooth MIDI Connection for iPhones/iPads

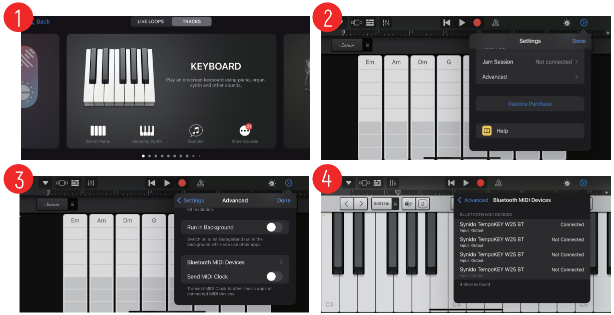
① Turn on the TempoKEY W25 by toggling the Power switch on the left side. When the device has sufficient battery, the LED display and some control buttons will light up.

② Press the BT button in the function key area; the button will light up red, indicating the Bluetooth function is active and the device is discoverable.

③ Enable Bluetooth on your iPhone/iPad.

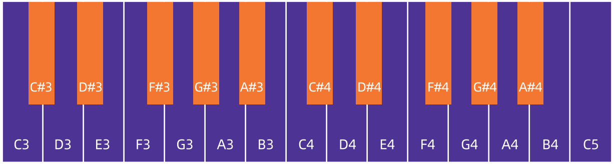
④ Using the "GarageBand" app as an example: Open GarageBand and select "Keyboard" or "Drums" from the track categories.

⑤Click on the settings icon in the upper right corner of the new interface, then select Advanced >> Bluetooth MIDI Devices >> Synido TempoKEY W25 BT. The app will display "Connected." The BT button will now show a blue backlight, indicating a successful BLE Bluetooth connection.



2. KeyS

The Synido TempoKEY W25 features two octaves, with a total of 25 keys. The keys only send note information, and the note encoding data cannot be modified arbitrarily. The note information corresponding to each key from left to right is shown in the diagram below:



Note: Due to differences in how the central C is defined in various DAW software, the note names displayed in your DAW may not align with the notes sent by the keyboard. This is normal.

You can use the TRANSPOSE (semitone transposition) and OCTAVE adjustment functions to move the note names and pitch range of the keys up or down. For more details, refer to the TRANSPOSE and OCTAVE adjustment sections in this manual.

By default, the NOTE signal from the keys is sent on Channel 1. You can quickly change the output channel for the NOTE signal by pressing and holding the SHIFT button while rotating the CH knob in the knob area.

3. PADS

The Synido TempoKEY W25 features 8 pads which can be expanded to 16 pads by using two groups (A/B). The backlight colors of the two groups are different for easy distinction. You can set the pads to send NOTE, CC, or Program Change information. Press the PAD BANK button to toggle between groups A and B. The white backlight indicates group A, and the orange backlight indicates group B. Each group stores NOTE, CC, and Program Change information, and pressing the NOTE/CC/Program Change button will trigger the respective type of MIDI message. When you select NOTE, CC, or Program Change, the corresponding button's backlight will match the color of the group button (white or orange) and remain lit. You can set this directly on the device (by pressing and holding the Main Control Knob while pressing one of the PAD1-PAD8 pads, and rotating the Main Control Knob to adjust the selected pad's settings. Afterward, press and hold the Main Control Knob for 3 seconds to exit the settings interface) or set it using the official Synido TempoKEY W25 software, and then save the settings to the device.

The pads also feature Channel Aftertouch functionality. When a pad is pressed and pressure is continued, it generates a Channel Aftertouch control signal, which can be used to control various sound parameters in real-time, such as volume, filter cutoff frequency, tremolo depth, and more.

The default, PAD sends MIDI message as shown below:

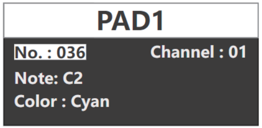
BANK A	PAD #	PAD 5	PAD 6	PAD 7	PAD 8
	NOTE/CC/PC Number	40	41	42	43
	PAD #	PAD 1	PAD 2	PAD 3	PAD 4
	NOTE/CC/PC Number	36	37	38	39
BANK B	PAD #	PAD 5	PAD 6	PAD 7	PAD 8
	NOTE/CC/PC Number	48	49	50	51
	PAD #	PAD 1	PAD 2	PAD 3	PAD 4
	NOTE/CC/PC Number	44	45	46	47

By default, MIDI information is sent on Channel 2, and CC messages are set to Momentary (instant trigger).

The device allows you to set the backlight color for each of the 16 pad triggers, with an option to turn off the backlight. The available colors are:

Red, Orange, Yellow, Green, Cyan, Blue, Purple, Light Purple, Light Red, Wine Red, Indigo Purple, Light Pink, Pink, Light Blue, Chartreuse, Light Green.

PAD Parameter Settings Interface:
There are three MIDI message types for the pads: NOTE, CC, and PC (Program Change).



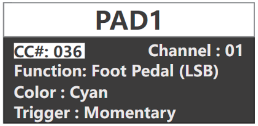
The editing interface of the screen when PAD selects to send NOTE message

NO.: Note signal encoding Number, range 0-127

Channel: Note signal is sent to Channel, range 1-16

Note: Note Name

Color: PAD trigger backlight color



The editing interface of the screen when PAD selects to send CC message

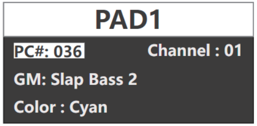
CC#: CC signal encoding Number, range 0-127

Channel: CC signal is sent to Channel, range 1-16

Function: CC (Control Change) Codes & Corresponding Function Names

Color: PAD trigger backlight color

Trigger: Trigger type: Momentary



The editing interface of the screen when PAD selects to send PC message

NO.: PC signal encoding Number, range 0-127

Channel: PC signal is sent to Channel, range 1-16

GM: Standard GM Sound Names Corresponding to PC (Program Change) Codes

Color: PAD trigger backlight color

For specific setup instructions using the official Synido TempoKEY W25 software, please refer to the software usage section of this manual.

Note quick lookup table:

MIDI NUMBER	NOTE NAME	MIDI NUMBER	NOTE NAME	MIDI NUMBER	NOTE NAME	MIDI NUMBER	NOTE NAME
0	C-1	32	G#+1	64	E+4	96	C+7
1	C#-1	33	A+1	65	F+4	97	C#+7
2	D-1	34	A#+1	66	F#+4	98	D+7
3	D#-1	35	B+1	67	G+4	99	D#+7
4	E-1	36	C+2	68	G#+4	100	E+7
5	F-1	37	C#+2	69	A+4	101	F+7
6	F#-1	38	D+2	70	A#+4	102	F#+7
7	G-1	39	D#+2	71	B+4	103	G+7
8	G#-1	40	E+2	72	C+5	104	G#+7
9	A-1	41	F+2	73	C#+5	105	A+7
10	A#-1	42	F#+2	74	D+5	106	A#+7
11	B-1	43	G+2	75	D#+5	107	B+7
12	C0	44	G#+2	76	E+5	108	C+8
13	C#0	45	A+2	77	F+5	109	C#+8
14	D0	46	A#+2	78	F#+5	110	D+8
15	D#0	47	B+2	79	G+5	111	D#+8
16	E0	48	C+3	80	G#+5	112	E+8
17	F0	49	C#+3	81	A+5	113	F+8
18	F#0	50	D+3	82	A#+5	114	F#+8
19	G0	51	D#+3	83	B+5	115	G+8
20	G#0	52	E+3	84	C+6	116	G#+8
21	A0	53	F+3	85	C#+6	117	A+8
22	A#0	54	F#+3	86	D+6	118	A#+8
23	B0	55	G+3	87	D#+6	119	B+8
24	C+1	56	G#+3	88	E+6	120	C+9
25	C#+1	57	A+3	89	F+6	121	C#+9
26	D+1	58	A#+3	90	F#+6	122	D+9
27	D#+1	59	B+3	91	G+6	123	D#+9
28	E+1	60	C+4	92	G#+6	124	E+9
29	F+1	61	C#+4	93	A+6	125	F+9
30	F#+1	62	D+4	94	A#+6	126	F#+9
31	G+1	63	D#+4	95	B+6	127	G+9

Note: Since the definition of middle C varies between different DAW software, the note names sent may not match exactly with what is displayed in the DAW.

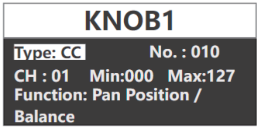
4.Assignable Knobs

The 9 assignable 360° continuous variable speed knobs can be customized to send CC or PC messages. The KNOB BANK offers two groups (A/B), allowing for 18 different parameter assignments. You can configure the knobs directly on the device (press and hold the Main Control Knob while rotating one of the K1–K9 knobs, then use the Main Control Knob to adjust the selected knob's parameters. Once completed, press and hold the Main Control Knob for 3 seconds to exit the editing interface), or configure them using the official Synido TempoKEY W25 software and save the settings to the device. Quickly switch between knob groups using the KNOB BANK button: white backlight indicates Group A, orange backlight indicates Group B.

By default, the knobs send CC messages as shown in the accompanying image.

BANK A	Knob	Knob1	Knob2	Knob3	Knob4	Knob5	Knob6	Knob7	Knob8	Knob9
	cc Number	CC#01	CC#02	CC#03	CC#04	CC#05	CC#06	CC#07	CC#08	CC#09
	Channel	1	1	1	1	1	1	1	1	1
	Minvalue	0	0	0	0	0	0	0	0	0
	Max value	127	127	127	127	127	127	127	127	127
BANK B	Knob	Knob1	Knob2	Knob3	Knob4	Knob5	Knob6	Knob7	Knob8	Knob9
	cc Number	CC#10	CC#11	CC#12	CC#13	CC#14	CC#15	CC#16	CC#17	CC#18
	Channel	1	1	1	1	1	1	1	1	1
	Minvalue	0	0	0	0	0	0	0	0	0
	Max value	127	127	127	127	127	127	127	127	127

KONB parameter setting interface: There are two MIDI message types for the Knobs: CC and PC（Program change).



The editing interface of the screen when KONB selects to send CC message

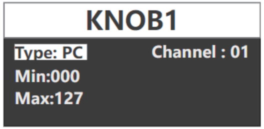
NO.: CC signal encoding Number, range 0-127

CH: CC signal is sent to Channel, range 1-16

Min: Minimum value of the parameter range sent by CC signal

Max: Maximum value of the parameter range sent by CC signal

Function: CC (Control Change) Codes & Corresponding Function Names



The editing interface of the screen when KONB selects to send PC message

Channel: PC signal is sent to Channel, range 1-16

Min: Minimum value of the PC (Program Change) signal encoding range

Max: Maximum value of the PC (Program Change) signal encoding range

For specific setup instructions using the official Synido TempoKEY W25 software, please refer to the software usage section of this manual.

The knobs also serve to adjust parameters for the Arpeggiator and MIDI channel assignments for the keyboard section. The adjustable ARP (arpeggiator) parameters include: DIV (note division), MODE (arpeggiator direction), OCT (octave range), SWING, LATCH (arpeggio hold), SYNC (external BPM sync), GATE (note length), TEMPO (tempo speed). The Note Repeat function inherits the following ARP parameters: DIV, SWING, SYNC, GATE, and TEMPO. For more details, please refer to the Arpeggiator and Note Repeat section in this manual.

5.PITCH BEND /MODULATION WHEEL

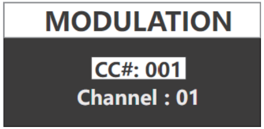
Pitch Bend Wheel:

Used to control pitch variations of notes played on the keyboard. When the wheel is moved upward or downward, the pitch of the note will rise or fall accordingly, simulating the pitch bending effect of string instruments. The wheel is spring-loaded and will return to the center position automatically when released. By default, the Pitch Bend Wheel transmits on MIDI Channel 1. You can change the MIDI channel directly on the device by holding down the Main Control Knob, moving the Pitch Bend Wheel, and rotating the Main Control Knob to adjust the channel value (range: 1–16). Once the adjustment is complete, press and hold the Main Control Knob for 3 seconds to exit the editing interface.

Pitch Bend Channel Adjustment Interface: Channel range 1–16

Modulation Wheel:

Used to adjust tonal variations. The Modulation Wheel can control subtle pitch fluctuations to produce a vibrato effect, which is commonly applied to string, brass, and synthesizer sounds. It can also be used to control the filter cutoff frequency, altering the brightness or darkness of a sound. By using the Modulation Wheel creatively, performers can add more dynamics and expressiveness to their music. The Modulation Wheel sends CC#1 messages, with a value range from 0 to 127. You can customize its CC number and MIDI channel directly on the device by holding down the Main Control Knob, moving the Modulation Wheel, and rotating the Main Control Knob to adjust the parameters (CC number range: 0–127; Channel range: 1–16). After configuration, press and hold the Main Control Knob for 3 seconds to exit the editing interface. Unlike the Pitch Bend Wheel, the Modulation Wheel is not spring-loaded—it stays in the position where it is left.



Modulation Parameter Edit Menu :
CC#: CC signal encoding Number, range 0-127
Channel: CC signal is sent to Channel, range 1-16

6.ARP (Arpeggiator)

ARP: Arpeggiator On/Off. Press this button to turn the Arpeggiator on or off. The arpeggiator automatically transforms single notes or chords into rhythmic arpeggio sequences, simplifying performance and production while offering more creative possibilities and inspiration in music creation.

To input new arpeggiator settings, hold down the SHIFT button and turn any knob in the assignable knobs section (the labels above each knob correspond to specific arpeggiator parameters).

DIV – Note Division:

1/4 – Quarter Note, 1/4T – Quarter Note Triplet, 1/8 – Eighth Note, 1/8T – Eighth Note Triplet, 1/16 – Sixteenth Note, 1/16T – Sixteenth Note Triplet, 1/32 – Thirty-second Note, 1/32T – Thirty-second Note TripletTo input new arpeggiator settings, hold down the SHIFT button and turn any knob in the assignable knobs section (the labels above each knob correspond to specific arpeggiator parameters).

MODE – Arpeggiator Direction:

① UP: Notes will play from the lowest to the highest.

② DOWN: Notes will play from the highest to the lowest.

③ EXCL (Exclusive): Notes will ascend from lowest to highest, then descend back down. The lowest and highest notes will only play once during the change of direction.

④ INCL (Inclusive): Notes will ascend from lowest to highest, then descend. The lowest and highest notes will play twice when the direction changes.

⑤ ORDER: Notes will play in the exact order in which they are pressed.

⑥RAND:The notes will sound in a random order

OCT – Octave Range:

OCT1, OCT2, OCT3, OCT4 — Determines how many octaves the arpeggiated notes will span. OCT1 is the default setting and plays the notes within a single octave range.

Swing Amount:

The SWING function adjusts the timing of notes to create a "swing" feel, which adds a groove or rhythmic variation to the originally even beats. This is commonly used in genres such as jazz, blues, and funk. The value control range is: 50% (off), 55%, 57%, 59%, 61%, 64%, 67%, 70%, 73%, 76%

LATCH – Arpeggiator Hold:

On / Off. When enabled, the arpeggiator continues playing the arpeggio even after you release the keys. While holding down notes, you can add more notes to the arpeggio by pressing additional keys. If you release the current keys and press a new combination, the arpeggiator will remember and play the new notes.

SYNC Synchronization:

On / Off. When enabled, the device receives external MIDI clock sync information. The TempoKEY W25 will ignore its internal TEMPO setting and instead run the Arpeggiator (ARP) and Note Repeat functions according to the BPM of the master MIDI clock.

GATE Note Length:

Controls the duration of each note. By adjusting the GATE value, you can influence the expressiveness, rhythmic feel, and tonal quality of your performance. Available values: 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%

TEMPO Arpeggiator Speed:Controls the playback speed of the arpeggiator, measured in beats per minute (BPM) based on quarter notes.

Adjustable range:

20 – 240 BPM. Alternatively, you can tap the TAP TEMPO button to manually set the tempo.

7.Smart SCALE

A scale is an ordered sequence of musical notes arranged according to a specific pattern and is typically used to describe changes in pitch. The Smart Scale function allows users to select specific musical scales (such as major, minor, or modal scales), restricting the keyboard's output notes to those within the selected scale. By limiting notes to a defined scale, performers can more easily play harmonious music without worrying about hitting incorrect notes.

There are two types of note restriction arrangements: Fixed Do and Tonic.By default, the product is set to Fixed Do, which can be changed on the device:

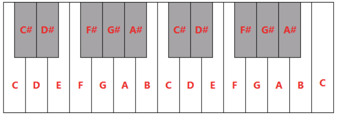
Hold the Main Control Knob and press the SCALE button, then rotate the knob to switch between Fixed Do and Tonic. To exit, press and hold the main knob for 3 seconds. Descriptions of both modes are as follows:

Fixed Do : The valid notes of the selected scale are fixed in their original positions on the keyboard. Notes not included in the scale are removed, and the empty keys are filled by repeating the previous valid note.

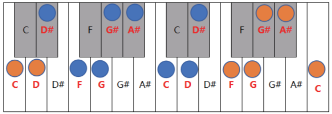
Tonic : All valid notes of the selected scale are placed in order across the seven white keys within an octave. The five black keys will follow the previous white key's note. In this mode, you can play scale-based melodies using only white keys, without needing to use the black keys.

For example, in the D Major Scale, the valid notes are: D#、F、G、G#、A#、C、D

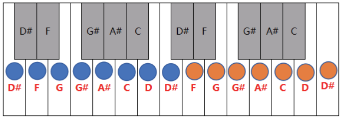
Keyboard Layout with 25 Keys:



In Fixed Do mode, the note layout of the D Major Scale is as follows:

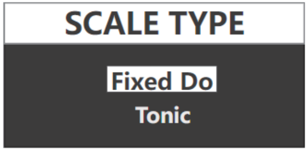


The keys marked with blue circles represent the valid scale notes within one octave,while the keys marked with orange circles represent valid scale notes in other octaves.



The keys marked with blue circles represent the valid scale notes within one octave,while the keys marked with orange circles represent the valid scale notes in another octave.

SCALE Note Layout Type Selection Interface. Two available scale note layout types: Fixed Do and Tonic.



The Smart Scale function offers a total of 8 scale modes to choose from: Major Scale, Natural Minor Scale, Dorian Mode, Phrygian Mode, Lydian Mode, Mixolydian Mode, Harmonic Minor Scale and Locrian Scale.

Major Scale:

The interval pattern is whole, whole, half, whole, whole, whole, half. It is commonly used in pop music, classical music, and children's music, expressing joyful, bright, and positive emotions.

Natural Minor Scale:

The interval pattern is whole, half, whole, whole, half, whole, whole. It is commonly used in melancholic ballads, classical music, and jazz, expressing feelings of sadness, contemplation, and sorrow.

Dorian Mode:

The interval pattern is whole, half, whole, whole, whole, half, whole. It is commonly used in jazz, blues, and rock music, expressing a complex emotion that combines both brightness and melancholy.

Phrygian Mode:

The interval pattern is half, whole, whole, whole, half, whole, whole. It is often used in flamenco music, metal, and film scores, conveying a sense of mystery, tension, and exoticism.

Lydian Mode:

The interval pattern is whole, whole, whole, half, whole, whole, half. It is commonly used in film scores, New Age music, and jazz, expressing feelings of dreaminess, hope, and mystery.

Mixolydian Mode:

The interval pattern is whole, whole, half, whole, whole, half, whole. It is commonly used in blues, rock, and country music, expressing vitality, freedom, and a slightly melancholic atmosphere.

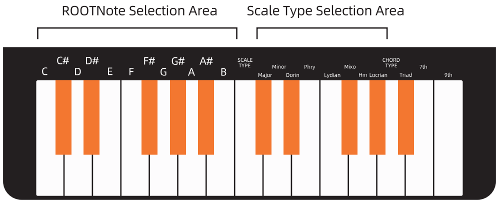
Harmonic Minor Scale:

The interval pattern is whole, half, whole, whole, half, augmented second (1.5 steps) and a half. It is commonly used in classical music, Middle Eastern music, and metal, expressing mystery, tension, and an exotic flavor.

Locrian Scale:

The interval pattern is half, whole, whole, half, whole, whole, whole. It is commonly used in experimental music, modern classical music, and metal, expressing instability, tension, and discordant emotions.

After pressing the SCALE button to activate the scale mode, the default setting is the C Major Scale with C as the ROOT note. You can change the ROOT note and scale type by holding down the SCALE button while pressing the keys in the SCALE ROOT and SCALE TYPE areas (the text above the keys corresponds to the respective options). The updated scale information will be displayed on the OLED screen. Alternatively, you can complete the settings through the Synido TempoKEY W25 official software and store them to the device.



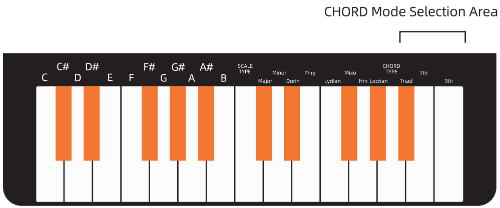
For specific setup instructions using the official Synido TempoKEY W25 software, please refer to the software usage section of this manual.

8.Smart CHORD

Chords are one of the fundamental elements in music, formed by combining three or more notes based on specific intervals. By flexibly using different chord types and progressions, performers and producers can create a wide range of musical compositions. Chords are widely used in music composition, performance, and sound design to help express musical emotions and build harmonic structures. By understanding and mastering the characteristics and applications of chords, performers and producers can better express musical emotions and create more vivid and personalized music works. Common chord types include triads, seventh chords (7TH), and ninth chords (9TH), among others.

This product can automatically generate triads, seventh chords (7TH), and ninth chords (9TH) based on the selected scale mode. Pressing the CHORD button activates the intelligent chord function. If the intelligent scale (SCALE) is not activated, the default setting is the triads of the C Major scale. When pressing the keys, the following triads will be triggered in sequence: C Major triad (C): C E G, D Minor triad (Dm): D F A, E Minor triad (Em): E G B, F Major triad (F): F A C, G Major triad (G): G B D, A Minor triad (Am): A C E, B Diminished triad (B°): B D F. These triads are based on the notes of the C Major scale.

You can modify the chord type directly on the device. To do this, long press the CHORD button while simultaneously pressing the keys in the CHORD TYPE section to select the chord type. The available chord types are: Triad, Seventh chord 7TH, Ninth chord 9TH. The corresponding options are displayed on the keys above them. Once the chord type is modified, the new information will be reflected on the OLED display. Alternatively, you can also set and store the chord type via the Synido TempoKEY W25 official software.



To synchronize the SCALE and CHORD functions, both the SCALE and CHORD modes must be activated simultaneously. When both are enabled, the CHORD function will inherit the scale and mode settings from the SCALE mode. While holding down the SCALE button, press the keys in the SCALE ROOT area and the SCALE TYPE area to change the ROOT note and scale type (the text above the keys corresponds to the corresponding options). This operation will complete the modification of the scale mode in the CHORD smart chord.

9.TAP TEMPO

The TempoKEY W25 features a tempo setting function to adjust the BPM speed. When the ARP (Arpeggiator) or Note Repeat function is activated, you can set the tempo by repeatedly pressing the TAP TEMPO button. The LED light below this button will blink, with the speed of the blinking indicating the tempo. The tempo range is from 20 to 240 BPM. By continuously pressing the button, the device will adjust the tempo, and the LED light will blink according to the speed of your taps, completing the tempo setting.

Note:

1. The BPM value for both the ARP (Arpeggiator) and Note Repeat functions remains the same and is not independent of each other.

2. When the SYNC external clock synchronization is enabled, the TempoKEY W25 will follow the BPM value from the external main MIDI Clock for both the arpeggiator and note repeat functions. In this case, the BPM value set via the TAP TEMPO button will not apply.

10.NOTE REPEAT

The TempoKEY W25 features a Note Repeat function. When enabled, the device's pad area will repeat the note information based on the ARP (Arpeggiator) settings for DIV note value, SWING swing amount, GATE note length, and TEMPO tempo speed. You can configure this on the device (by holding the SHIFT button and turning any of the assignable knobs in the knob area, with the text above the knob corresponding to the relevant function) or set it via the official Synido TempoKEY W25 software and save it to the device.

① DIV note durations: 1/4 (quarter note), 1/4T (quarter note triplet), 1/8 (eighth note), 1/8T (eighth note triplet), 1/16 (sixteenth note), 1/16T (sixteenth note triplet), 1/32 (thirty-second note), 1/32T (thirty-second note triplet).

② SWING amount: 50% (off), 55%, 57%, 59%, 61%, 64%, 67%, 70%, 73%, 76%

③ GATE note lengths: 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%.

④ TEMPO : 20 - 240

TAP TEMPO button: This button is used to set the tempo. If the NOTE REPEAT function is enabled, the LED light below this button will flash. The speed of the flashing corresponds to the tempo. Pressing the button multiple times in succession will allow the device to measure the tempo, with the light flashing in sync with the user's button presses, indicating that the setting is complete.

Note:

The NOTE REPEAT function only applies to note events. When the PAD is set to send CC or PC events, the NOTE REPEAT function does not apply.

11.VELOCITY TYPE CURVE

The TempoKEY W25 has four velocity curves to accommodate different playing styles: Fixed, Soft, Medium, and Hard. The velocity curve will affect the feedback of the note velocity output based on the pressure applied to the keys or the strength of the pad hits. Pressing the VELOCITY TYPE button will cycle through the different velocity curves, and the backlight of the button indicates the current velocity curve type:

Fixed Velocity (White): In this mode, no matter how hard or soft you press, the keys and pads will always output a fixed velocity. The default output velocity is 127, but you can adjust this on the device (hold the main control knob while pressing the VELOCITY TYPE button, then rotate the main control knob to set the fixed velocity value; after completion, long-press the main control knob to exit the editing mode) or in the Synido TempoKEY W25 official software. Once set, the value will be stored in the device.

Soft Velocity (Blue): Suitable for players who are accustomed to using lighter touch. A light press on the keys or pads will produce a higher velocity value.

Medium Velocity (Green): The velocity is linearly related to the MIDI value, making it suitable for most music and performers.

Hard Velocity (Red): Suitable for players who are accustomed to using more force. A stronger press or hit on the keys or pads is required to achieve a higher velocity value.

12.Transport Control Buttons

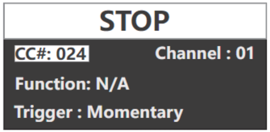
The TempoKEY W25 has three backlit transport control buttons: Stop, Play, and Record, which are used to control the Stop, Play, and Record functions in DAW software. Pressing these buttons sends CC signals, but they do not function by default. You need to map these buttons to specific actions through the DAW's MIDI learn function. The CC signal commands can be edited, allowing you to modify the CC code and trigger type (Momentary or Toggle). You can configure this on the device (hold the main control knob while pressing the transport control button you wish to modify, then rotate the main control knob to change the parameters of the button; after completion, long-press the main control knob to exit the editing mode) or in the Synido TempoKEY W25 official software. Once configured, the settings will be stored in the device.

By default, pressing the buttons will send CC message, as shown in the table below:

Transport Buttons	STOP	PLAY	REC
CC Number#	24	25	26
Chamnel	1	1	1
Trigger Type	Momentary	Momentary	Momentary

Transport Button Parameter Local Settings Interface:

CC codes and MIDI channels for STOP, PLAY, and REC can be modified. The example below uses the STOP button; other buttons follow the same logic.



STOP Transport Button Display Edit Interface

CC#:CC signal encoding Number, range 0-127

Channel:CC signal is sent to Channel, range 1-16

Function:CC (Control Change) Codes & Corresponding Function Names

Trigger:Trigger type: Momentary trigger and Toggle trigger

The MMC button, located at the far right of the function button area, enables the transport control buttons to switch to MMC signal commands. Once activated, the three transport control buttons will have actual transport control functions. In DAW host software that supports MMC commands, no mapping is required to use the transport control functions. However, some DAW software may require you to enable the MMC receive function within the software before use.

Tip:

MMC commands can be used in DAW software that supports MMC functionality without the need for mapping, such as Cubase, FL Studio, Studio One, Pro Tools, Logic Pro X, Reaper, and GarageBand (Mobile).

13.Transpose Adjustment Button

The TempoKEY W25 supports TRANSPOSE (semitone transpose) and OCTAVE (octave shift) functions. Using the +/- buttons, you can adjust the keyboard's pitch range up or down. TRANSPOSE (semitone transpose) allows you to raise or lower the entire pitch of the keyboard by one or more semitones. For example, you can transpose C4 to C#4 or B3. The adjustable range is from -6 to +6 semitones. Pressing the +/- buttons simultaneously will reset the transpose to zero. OCTAVE (octave shift) adjusts the entire pitch range of the keyboard up or down by one or more octaves. For example, you can shift C4 to C5 or C3. The adjustable range is from -3 to +3 octaves. Pressing the +/- buttons simultaneously will reset the octave shift to zero. These functions are very useful in music production and performance, providing enhanced flexibility and efficiency.

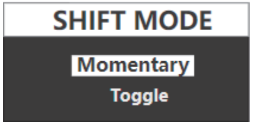
Note:

Because different DAW software may define the central C differently on the piano roll, the note information sent may not align with what is displayed in the DAW software.

14.SHIFT and SUSTAIN Button

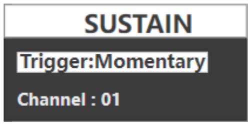
The SHIFT button mainly switches the nine control knobs in the control knob area to adjust ARP (Arpeggiator) settings and modify the key channels. It has two activation trigger forms: Momentary (instant trigger) and Toggle (toggle switch). The product defaults to the Momentary trigger form, meaning that you must hold down the SHIFT button to activate the settings. Once you release the button, the settings will deactivate.

You can change this setting on the device by holding the main control knob while pressing the SHIFT button, then rotating the main control knob to modify the trigger type. After finishing, long-press the main control knob to exit the editing mode. The Toggle trigger form works as follows: pressing the SHIFT button once activates the settings, and pressing it again deactivates them. This form is more convenient for setting ARP parameters, but if you're not using the ARP function, remember to turn off the SHIFT button to avoid unintended behavior.



SHIFT Button Trigger Type Modification Display Interface

The SUSTAIN button can replace the sustain pedal function. When the sustain pedal is not connected, activating the SUSTAIN button will still provide the sustain effect. With sustain enabled, notes will continue to sound after the keys are released, enhancing the expressiveness of melodies and making chords sound fuller. The SUSTAIN button has two activation trigger forms: Momentary (instant trigger) and Toggle (toggle switch). The product defaults to the Momentary trigger form, meaning you must hold down the SUSTAIN button to activate the sustain. Once you release the button, the sustain will turn off. You can change this setting on the device by holding the main control knob while pressing the SUSTAIN button, then rotating the main control knob to modify the trigger type. After finishing, long-press the main control knob to exit the editing mode. The Toggle trigger form works as follows: pressing the SUSTAIN button once activates the sustain, and pressing it again deactivates it.



SUSTAIN Button Settings Display Edit Interface

Trigger: Trigger type: Momentary trigger and Toggle trigger

Channel: SUSTAIN signal is sent to Channel, range 1-16

15.MIDI Bluetooth

The TempoKEY W25 supports BLE (Bluetooth Low Energy) MIDI functionality. Unlike classic Bluetooth, it cannot be discovered or connected using traditional Bluetooth methods. For detailed connection methods with various devices, please refer to the "Wireless BLE Bluetooth Connection" section of this manual.

By default, the BLE Bluetooth is turned off. Press the BT button; the BT button will light up in red, indicating that the TempoKEY W25's Bluetooth functionality is now on, and the device is in a discoverable pairing state. Once successfully connected, the BT button will display a solid Bluetooth light. Long pressing the button will turn off the BLE Bluetooth function, and the BT button will not light up.

16.Restore Factory Settings / Check Firmware Version

Restore Factory Settings: Press and hold the TAP TEMPO, NOTE, and CC buttons simultaneously. The TempoKEY W25 will flash a red light for approximately 1 second and reset, restoring it to factory default settings.

Check Firmware Version: Press and hold the Main Control Knob, then press the BT button. The display will enter the firmware version interface, showing the following information:

BT: Bluetooth version

Soft: Firmware version

Hard: Hardware version

Beschreibung der Software

1. die Software herunterladen und installieren

The Synido TempoKEY W25 comes with companion software, which is used to write or read parameter settings on the device and to send various MIDI commands.

You can download the software from the following link:

https://www.synido.com/pages/downloads

Once the download is complete, run the program to begin the installation process.

2.Software Interface

① Menu Bar ② Custom Knob Settings Area ③ Custom Fader Settings Area

④ Custom Button Settings Area ⑤ Note Repeat and Sequencer Settings Area

⑥ Fixed Velocity Value and Velocity Curve Settings Area

⑦ Send/Retrieve Settings from Hardware ⑧ Transport Control Buttons Settings Area

⑨ Pad Settings Area ⑩ Connection Status Indicator

3.Device Occupancy (Applicable to Windows Systems Only)

The connection status of the device is displayed in the upper-right corner of the software interface (area ④). The software can only write or read the TempoKEY's parameter settings when the device is shown as "Connected."

If "Connected" is displayed, it means the software and the TempoKEY are properly connected, and configuration can be transferred between them.

If "Not Connected" is displayed, it could be due to the device not being correctly connected to the computer, or another program (such as a DAW) occupying the device. In this case, you need to exit the DAW or any other program using the MIDI device, and sometimes you may need to reconnect the device.

4.Menu Bar

The menu bar offers the following functions: Open, Save, Save As, Send to Harware, Get from Hardware, Restore The Default, Quit.

Open: Load a parameter configuration file.

Save: Save the current parameter settings in the existing preset file. If no preset file is available, a dialog will open to save it as a new file with the ".stm" extension.

Save As: Save the current parameter settings as a new preset file.

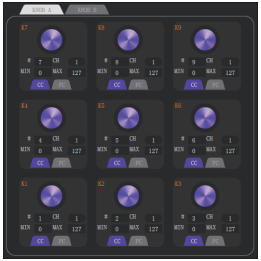
Send to Hardware: Send the current parameter settings to the TempoPAD.

Retrieve from Hardware: Retrieve the parameter settings from the TempoPAD.

Restore Defaults: Reset the device to the factory default settings.

Exit: Close the control panel.

5.Assignable Knob Settings



Click the Save tab to switch to the group you want to edit (the 9 assignable knobs collectively form one KNOB BANK control group).

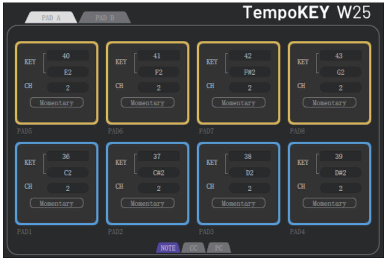
Click the Event Type tab to select the desired event type. Available types include: CC (Control Change) and PC (Program Change).

Use # to input the desired CC event number. You can refer to the detailed CC function list at the end of this manual.

Enter the minimum and maximum values to define the knob's control range.

Select the MIDI channel for the event: 1–16.

6.PAD Settings



Click the Save tab to switch between the A and B groups.

Click the PAD tab to select the event type. Available types include: NOTE (Note Event), CC (Control Change) and PC (Program Change).

Click the Channel option to select the MIDI channel for event transmission.

If you select a NOTE event, enter the MIDI note number in the key input field or click the note name to adjust its pitch. Note: The Momentary/Toggle mode cannot be selected for NOTE events.

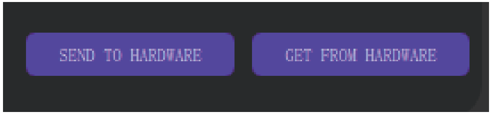
If you select a CC event, enter the control change number in the key input field and set the trigger mode to either Momentary or Toggle.

If you select a PC event, enter the program change number in the key input field. Note: Momentary/Toggle modes are not available for PC events. Each press of the PAD sends a single PC event.

Tip: In Momentary mode, pressing a PAD sends a value of 127, and releasing it sends a value of 0. In Toggle mode, each full press-and-release action alternates between sending 127 and 0.

Note: The PAD backlight color can be customized directly on the device. To set the color, long-press the main control knob while simultaneously pressing the desired PAD (PAD1–PAD8) you want to configure. Rotate the main control knob to set the selected PAD (after entering the function parameter setting interface, rotate the main control knob, the selection box that appears on the OLED display will move cyclically in the first-level menu options of the editing interface, select the Color option, press the main control knob again to enter the second-level option interface, rotate the main control knob to select the backlight color you need), and then long press the main control knob to exit the editing interface.

7.Parameter Acquisition/Sending



Send to Device: Sends the current parameter configuration to the TempoKEY.

Get from Device: Acquire the parameter configuration from the TempoKEY.

Note: Any parameter changes made within the configuration software must be applied by clicking “Send to Device” in order to take effect on the TempoKEY W25.

8.Transport Control Buttons

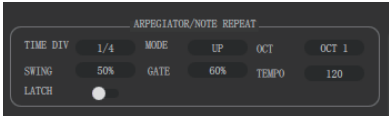
The tape control button can send either CC or MMC messages. MMC needs to be enabled on the device side, and the command is a fixed function; you can modify the CC signal parameters on the software side

Enter the CC event number.

Click the button to switch the trigger type: Momentary or Toggle.

Select the channel for the event.

9.Arpeggiator/Note Repeat Parameter Settings



DIV – Note Division:

1/4 – Quarter Note, 1/4T – Quarter Note Triplet, 1/8 – Eighth Note, 1/8T – Eighth Note Triplet, 1/16 – Sixteenth Note, 1/16T – Sixteenth Note Triplet, 1/32 – Thirty-second Note, 1/32T – Thirty-second Note Triplet

MODE – Arpeggiator Direction:

① UP: Notes will play from the lowest to the highest.

② DOWN: Notes will play from the highest to the lowest.

③ EXCL (Exclusive): Notes will ascend from lowest to highest, then descend back down. The lowest and highest notes will only play once during the change of direction.

④ INCL (Inclusive): Notes will ascend from lowest to highest, then descend. The lowest and highest notes will play twice when the direction changes.

⑤ ORDER: Notes will play in the exact order in which they are pressed.

⑥RAND:The notes will sound in a random order

OCT – Octave Range:

OCT1, OCT2, OCT3, OCT4 — Determines how many octaves the arpeggiated notes will span. OCT1 is the default setting and plays the notes within a single octave range.

Swing Amount:

The SWING function adjusts the timing of notes to create a "swing" feel, which adds a groove or rhythmic variation to the originally even beats. This is commonly used in genres such as jazz, blues, and funk. The value control range is: 50% (off), 55%, 57%, 59%, 61%, 64%, 67%, 70%, 73%, 76%

GATE Note Length:

Controls the duration of each note. By adjusting the GATE value, you can influence the expressiveness, rhythmic feel, and tonal quality of your performance. Available values: 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%

TEMPO Arpeggiator Speed:

Controls the playback speed of the arpeggiator, measured in beats per minute (BPM) based on quarter notes.

Adjustable range:

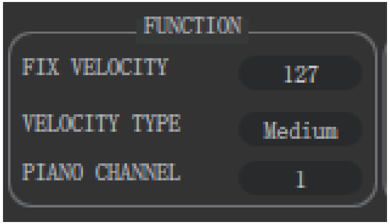
20 – 240 BPM. Alternatively, you can tap the TAP TEMPO button to manually set the tempo.

LATCH – Arpeggiator Hold:

On / Off. When enabled, the arpeggiator continues playing the arpeggio even after you release the keys. While holding down notes, you can add more notes to the arpeggio by pressing additional keys. If you release the current keys and press a new combination, the arpeggiator will remember and play the new notes.

In NOTE REPEAT mode, the following parameters will inherit settings from the ARPEGGIATOR: DIV (note division), SWING amount, GATE time, and TEMPO.

10.Fixed Velocity Value, Velocity Curve, and Key Channel



Velocity Curve for Keys/Pads, Selectable velocity sensitivity types:

Soft: Suitable for performers who prefer lighter strikes. Light taps on keys/pads will generate higher velocity values.

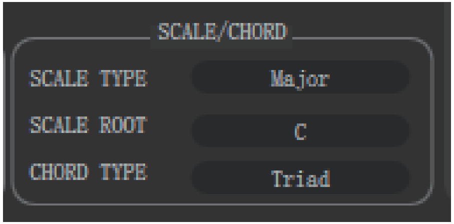
Medium: A linear relationship between striking force and MIDI values, ideal for most musical styles and performers.

Hard: Designed for players who strike keys/pads forcefully. Stronger hits are required to achieve higher velocity values.

Fixed Velocity: Ignores actual playing dynamics. Regardless of strike intensity, pads/keys will transmit notes at a fixed velocity value.Adjust the fixed velocity value parameter, Range: 0–127.

PIANO CHANNEL: Set the MIDI transmission channel for the key/piano zone, Range: 1–16.

11.Scale/Chord Settings

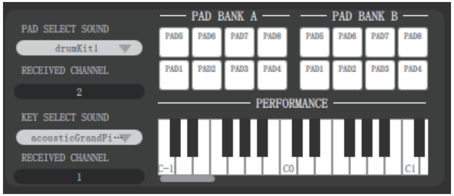


SCALE TYPE: Scale mode selection (8 types), Major Scale、Natural Minor Scale、Dorian Mode、Phrygian Mode、Lydian Mode、Mixolydian Mode、Harmonic Minor Scale、Locrian Scale

SCALE ROOT: Root note selection, C、C#、D、D#、E、F、F#、G、G#、A、A#、B

CHORD TYPE: Chord type selection，Triad (3-note chords)、7TH (7th chords)、9TH (9th chords).

12.Free Play, PAD and Keyboard Sound Selection and Channel Settings Area



The Synido parameter configuration software comes pre-loaded with GM standard instrument sounds, allowing you to perform directly without the need for any additional DAW software. The sound selection interface is divided into two areas: the PAD, which corresponds to the drum pads on the TempoKEY W25; the KEY, which corresponds to the keyboard section. You can assign different instrument sounds to each section individually. Note: The PAD and KEY areas trigger different instrument sounds based on their assigned RECEIVED CHANNELS. By default: PAD is set to Channel 2, KEY is set to Channel 1. Do not assign the same channel to both PAD and KEY, as this will cause sound conflicts. Additionally, ensure that the transmit channels from the hardware (PAD and KEY) match the receive channels set in the software for proper communication and playback.

PAD SELECT SOUND: PAD Area Sound Selection

RECEIVED CHANNEL: The channel selection for the sound received for the pad area, the range is from 1 to 16.

KEY SELECT SOUND: KEY Area Sound Selection

RECEIVED CHANNEL: Channel selection for timbre received for the KEY area, the range is: 1-16

The figure below shows the GM Sound List:

The figure below shows the GM Sound List:

PLANO	GUITAR	ENSEMBLE	PIPE	SYNTH EFFECTS	SOUND EFFECTS	CHROMATIC PERC	BASS
Acoustic Grand Piano	Nylon String Guitar	String Ensemble 1	Piccolo	FX 1(rain)	Guitar Fret Noise	celesta	Acoustic Bass
Bright Acoustic Piano	Steel string Guitar	String Ensemble 2	Flute	FX2 (soundtrack)	Breath Noise	Glockenspiel	Fingered Bass
Electric Grand Piano	Jazz Guitar	Synth Strings 1	Recorder	FX 3 (crystal)	Sea Shore	Music BOX	Picked Bass
Honky-tonk Piano	Clean Guitar	Synth Strings 2	Pan Flute	FX 4 (atmosphere)	Bird Tweet	Vibraphone	Fretless Bass
Electric Piano 1	Palm Muted Guitar	Choir Aahs	Blown Bottle	FX 5 (brightness)	Telephone Ring	Marimba	FSlap Bass 1
Electric Piano 2	Overdriven Guitar	Voice Oohs	Shakuhachi	FX 6 (goblins)	Helicopter	Xylophone	Slap Bass 2
Harpsichord	Distortion Guitar	Synth Voice	Whistle	FX 7 (echoes)	Applause	Tubular Bells	Synth Bass 1
CLavinet	Guitar Harmonics	Orchestra Hit	Ocarina	FX 8 (Star Theme)	Gun Shot	Dulcimer	Synth Bass 2
BRASS	**SYNTH LEAD**	**WORLD**	**ORGAN**	**STRINGS**	**REED**	**SYNTH PAD**	**DRUM**
Trumpet	Lead 1 (square)	Sitar	Drawbar Organ	Violin	Soprano Sax	Pad 1 (Fantasia)	TR-808
Trombone	Lead 2 (sawtooth)	Banjo	Percussive Organ	Viola	Alto SaX	Pad 2(warm)	Drum kit 1
Tuba	Lead 3 (calliope)	Shamisen	Rock Organ	Cello	Tenor SaX	Pad 3 (polysynth)	Drum kit 2
Muted Trumpet	Lead 4 (chiff)	Koto	Church Organ	Contrabass	Baritone Sax	Pad 4 (choir)	Drum kit 3
French Horns	Lead 5 (charang)	Kalimba	Reed Organ	Tremolo Strings	Oboe	Pad 5 (bowed)	Drum kit 4
Brass Section	Lead 6 (voice)	Bagpipe	Accordion	Pizzicato Section	English Horn	Pad 6 (metallic)	Drum kit 5
Synth Brass 1	Lead 7 (fifths)	Fiddle	Harmonica	Orchestral Harp	Bassoon	Pad 7 (halo)	Drum kit 6
Synth Brass 2	Lead 8 (bass + lead)	Shanai	Bandoneon	Timpani	Clarinet	Pad 8 (sweep)	Drum kit 7

13. schnelles Layout

The quick layout feature allows for rapid configuration of functions on the panel. Click the Function menu to open the window. Fill in the parameters, check the boxes, and click "Apply" to quickly layout parameters on the panel.

Knob: Quick Setup for CC Value, Range, Start/End Knob Range, and Channel.

Pads: Quickly set CC, NOTE, PC values.

1.Starting Value: MIDI information starting encoding range: 0 - 127.

2.Ascending/Descending: In Ascending, the starting encoding will increment; in Descending, it will decrement.

3.Min/Max: Range for CC event parameters.

4.Trigger Type: MC (Momentary Control) or TC (Toggle Control).

14.Firmware upgrade

Connect the device until the software shows "Connected."

Click the Help menu and select "About," then click "Firmware Update" in the dialog box.

Warning: Ensure a stable internet connection before upgrading, and avoid other operations during the process. Upgrade failures may render the product inoperable For guidance, check the "Firmware Upgrade" section in the Syndio website FAQ or contact customer service for assistance.

Product Specification

Product model:	TempoKEY W25	**Product size:**	369.5 * 219.5 * 50.5mm
Color:	Purple	**Material:**	plastic + silica gel
Power consumption of the device:	720mA	**Product weight:**	1250g
Battery capacity : (Fully charged, it can standby for 5 hours)	3000mAh	**MIDI Connector:** TRS (Type A) MIDI In / Out / Thru	

Appendix

Event: A MIDI command.

Channel: There are 16 channels in MIDI protocol, and most MIDI events contain channel information. Users can set on the receiving device to hear only the events from a certain channel. For example, device A only receives events from channel 1, and device B only receives events from channel 2. Then on the sending device, the user can send channel 1 events to control device A, and send channel 2 events to control device B.

CC event: Controller Change event. A CC event contains the following information: channel number, CC number, and event value. MIDI protocol defines some specific CC numbering functions, for example, CC#7 event is the main volume event, and CC # 64 is the piano pedal event; Some CC commands are not defined functions, so users can define them as wish. See the appendix for the definition of CC events;

CC event can be a single command: for example, press a PAD and send a command of CC # 64 at value 127, and the receiving device will execute the action of opening the piano pedal after receiving the command; It can also be continual commands, such as rotating a knob to send events of CC # 7 with a value from 0 to 127. After receiving the command, the system will adjust the volume from the minimum to the maximum.

PC event: Program Change event. It is also a kind of control command containing channel information and event numbers. It usually used for voice change.

Momentary: when a key (button) is pressed, an ON event is sent, and when a key (button) is released, an OFF event is sent; For example, when a pad is used to imitate the function of the piano keys, the "Note ON" command is sent when the pad is pressed, and the "Note OFF" command is sent when the pad is released.

Toggle: when the full operation of pressing + releasing is completed, the ON and OFF events will be sent alternately; For example, it can be used as a switch. Each time you tap a pad, it alternately sends commands with values of 127 and 0. Set 127 as ON and 0 as OFF at the receiving end, the control effect can be achieved.

b.CC Default event list

CC 0 (BankSel MSB)
CC 1 (Modulation)
CC 2 (Breath)
CC 3 (Control 3)
CC 4 (Foot)
CC 5 (Portamento)
CC 6 (DataEnt MSB)
CC 7 (Main Volume)
CC 8 (Balance)
CC 9 (Control 9)
CC 10 (Pan)
CC 11 (Expression)
CC 12 (Control 12)
CC 13 (Control 13)
CC 14 (Control 14)
CC 15 (Control 15)
CC 16 (Gen Purp 1)
CC 17 (Gen Purp 2)
CC 18 (Gen Purp 3)
CC 19 (Gen Purp 4)
CC 20 (Control 20)
CC 21 (Control 21)
CC 22 (Control 22)
CC 23 (Control 23)
CC 24 (Control 24)
CC 25 (Control 25)
CC 26 (Control 26)
CC 27 (Control 27)
CC 28 (Control 28)
CC 29 (Control 29)
CC 30 (Control 30)
CC 31 (Control 31)
CC 32 (BankSel LSB)
CC 33 (Modulation LSB)
CC 34 (Breath LSB)
CC 35 (Control 35)
CC 36 (Foot LSB)
CC 37 (Porta LSB)
CC 38 (DataEnt LSB)
CC 39 (Main Volume LSR)
CC 40 (Balance LSB)
CC 41 (Control 41)
CC 42 (Pan LSB)
CC 43 (Expr LSB)
CC 44 (Control 44)
CC 45 (Control 45)
CC 46 (Control 46)
CC 47 (Control 47)
CC 48 (Control 48)
CC 49 (Control 49)
CC 50 (Control 50)
CC 51 (Control 51)
CC 52 (Control 52)
CC 53 (Control 53)
CC 54 (Control 54)
CC 55 (Control 55)
CC 56 (Control 56)
CC 57 (Control 57)
CC 58 (Control 58)
CC 59 (Control 59)
CC 60 (Control 60)
CC 61 (Control 61)
CC 62 (Control 62)
CC 63 (Control 63)
CC 64 (Sustain)
CC 65 (Porta On/Off)
CC 66 (Sostenuto)
CC 67 (Soft Pedal)
CC 68 (Legato FS)
CC 69 (Hold 2)
CC 70 (Sound Var)
CC 71 (Harmonic)
CC 72 (Release Time)
CC 73 (Attack Time)
CC 74 (Brightness)
CC 75 (Control 75)
CC 76 (Control 76)
CC 77 (Control 77)
CC 78 (Control 78)
CC 79 (Control 79)
CC 80 (Gen Purp 5)
CC 81 (Gen Purp 6)
CC 82 (Gen Purp 7)
CC 83 (Gen Purp 8)
CC 84 (Porta Ctrl)
CC 85 (Control 85)
CC 86 (Control 86)
CC 87 (Control 87)
CC 88 (Control 88)
CC 89 (Control 89)
CC 90 (Control 90)
CC 91 (ExtEff 1 Depth)
CC 92 (ExtEff 2 Depth)
CC 93 (ExtEff 3 Depth)
CC 94 (ExtEff 4 Depth)
CC 95 (ExtEff 5 Depth)
CC 96 (Data Incr)
CC 97 (Data Decr)
CC 98 (NRPN LSB)
CC 99 (NRPN MSB)
CC 100 (RPN LSB)
CC 101 (RPN MSB)
CC 102 (Control 102)
CC 103 (Control 103)
CC 104 (Control 104)
CC 105 (Control 105)
CC 106 (Control 106)
CC 107 (Control 107)
CC 108 (Control 108)
CC 109 (Control 109)
CC 110 (Control 110)
CC 111 (Control 111)
CC 112 (Control 112)
CC 113 (Control 113)
CC 114 (Control 114)
CC 115 (Control 115)
CC 116 (Control 116)
CC 117 (Control 117)
CC 118 (Control 118)
CC 119 (Control 119)
CC 120 (AllSndOff)
CC 121 (Reset Ctrl)
CC 122 (Local Ctrl)
CC 123 (AllNoteOff)
CC 124 (Omni Mode Off)
CC 125 (Omni Mode On)
CC 126 (Mono Mode On)
CC 127 (Poly Mode On)

Special Thanks

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