



Jia Yike Designer Limited Edition

# **User Manual**

Ver 1.0.0

# **MiDiPLUS**

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# Introduction

Congratulations ! You've just got the Jia Yike Designer Limited Edition of Vboard 25. It is an honor to introduce. There are 2 colors : Volcano and Concrete. This is the world's 1st folding Bluetooth MIDI keyboard. a 25 keys folding MIDI Keyboard features standard width keyboard, transport control, arpeggiator and smart scales. Built-in rechargeable battery and Bluetooth MIDI connectivity. Please read this manual before you start using, to help you quickly understand the basic operations and features of Vboard 25 Jia Yike Designer Limited Edition.

Package included:

- Vboard 25 Jia Yike Designer Limited Edition
- Silver hot stamping signature collective info card
- USB cable
- Cubase LE Registration paper
- Tridiplus Pasters

# **Important Notes:**

#### Charging note:

- 1. Vboard 25 Jia Yike Designer Limited Edition built-in rechargeble battery for Bluetooth MIDI connection.
- 2. The screen will blink and the Vboard 25 Jia Yike Designer Limited Edition will turn off after 3 minutes when the battery is low power.
- 3. Continual use of the Vboard 25 Jia Yike Designer Limited Edition while the battery is low power may impair its performance and can decrease the life-span of the battery. Please connect and charge the Vboard 25 Jia Yike Designer Limited Edition with a suitable power supply immediately.
- 4. While the Vboard 25 Jia Yike Designer Limited Edition charging, three flashing indicators will appear at the bottom of the screen. The three indicators will stop flashing once the Vboard 25 Jia Yike Designer Limited Edition is fully charged.
- 5. In order to save the batery power, the Vboard 25 Jia Yike Designer Limited Edition will automatically turn off the power after 30 minutes of no operation.

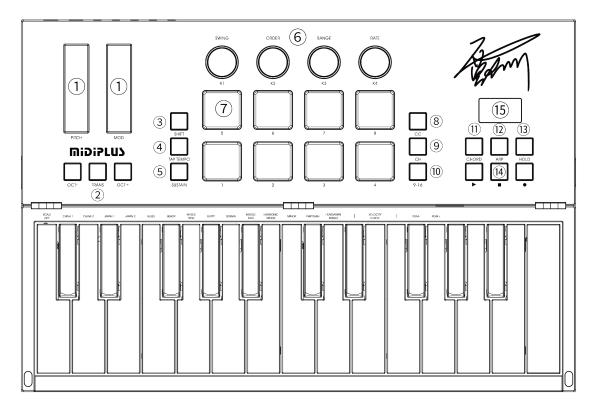
#### Maintenance note:

- 1. Please use dry and soft rag to wipe the Vboard 25 Jia Yike Designer Limited Edition when cleaning. Do not use paint thinners, organic solvents, detergents or other wipes soaked in aggressive chemicals so as not to discolor the panel or keyboard.
- 2. Please unplug the usb cable and turn off the Vboard 25 Jia Yike Designer Limited Edition when the keyboard will not be used for long period of time or during a thunderstorm.
- 3. Avoid using Vboard 25 Jia Yike Designer Limited Edition near water or wet places, such as bathtub, pool, or similar places.
- 4. Please do not place the Vboard 25 Jia Yike Designer Limited Edition in an unstable place to avoid acciedental falling.
- 5. Please do not place heavy objects on the Vboard 25 Jia Yike Designer Limited Edition.

- 6. Please avoid placing Vboard 25 Jia Yike Designer Limited Edition with poor air circulation.
- 7. Please do not open inside of Vboard 25 Jia Yike Designer Limited Edition, avoid any metal falling may causing fire or electric shock
- 8. Avoid spilling any liquid on the Vboard 25 Jia Yike Designer Limited Edition.
- 9. Avoid using Vboard 25 Jia Yike Designer Limited Edition in case of thunder or lightning
- 10. Please do not expose Vboard 25 Jia Yike Designer Limited Edition to scorchingsun
- 11. Please do not use Vboard 25 Jia Yike Designer Limited Edition when there is gas leakage nearby

# 1. Overview

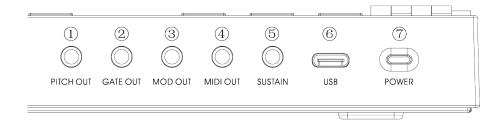
### 1.1 The Top Panel



- ① Pitch and Modulation: Control the pitch bend and modulation parameters of your sound.
- 2 Transpose and Octave: Activate keyboard's semitone control and octave control.
- 3 Shift: Activate keyboard's alternative function.
- ④ Tap Tempo: Tapping this button to set the tempo of arpeggiator.
- 5 Sustain: Activate keyboard's sustain.
- (6) Knobs: Control DAW and software instrument parameters or arpeggiator.
- Pads: According to the pad modes, sends notes including velocity and poly aftertouch data, or sends MIDI CC data or change MIDI channel.
- (8) **CC:** Toggle Pads to MIDI CC mode.
- (9 CH: Toggle Pads to MIDI Channel mode.
- 10 9-16: Switch Pads to next bank (9-16).

- (1) Chord: Activate keyboard's chord mode.
- 12 Arp: Activate keyboard's arpeggiator.
- (3) Hold: Allow the arpeggiated sequence to be played continuously even if the player has stopped sustaining the chord.
- (1) **Transport:** Offers MMC and MIDI CC modes, controls your DAW's transport or MIDI Learn functions.
- (5) **Displsy:** Provides real time feedback of control information.
- (6) Keyboard: Trigger notes on/off, and easy access to select scales when hold down the Shift button.

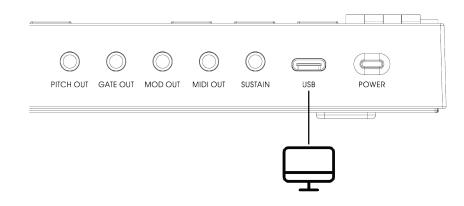
#### 1.2 The Rear Panel



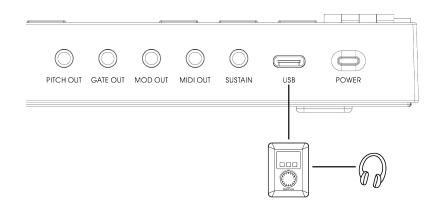
- ① Pitch Out: Sends control voltage to control the pitch on the target device.
- (2) Gate Out: Sends trigger events that are generated by the note on / off activity on the keyboard, It is closely related to the Pitch Out connector.
- ③ Mod Out: Sends control voltage to control the VCA (Voltage Controlled Amplifier) or VCF (Voltage Controlled Filter).
- ④ MIDI Out: Sends MIDI data to external MIDI device.
- (5) **Sustain:** Connect to a sustain pedal.
- 6 USB: Connect to your computer, this port provides both power and MIDI data.
- $\textcircled{\sc opt}$  Power: Turn on/off the power.

# 2. Guide

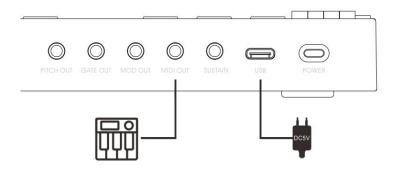
#### 2.1 Ready to use



Use with computer: Connect Vboard 25 Jia Yike Designer Limited Edition to your computer using the included USB cable. Hold down the Power button to turn on the power. Vboard 25 Jia Yike Designer Limited Edition is a class-compliant USB device, so its drivers are automatically installed when connecting to a computer.



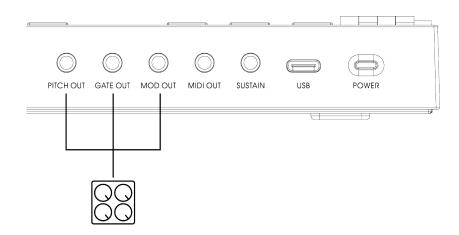
Use with **miDiPLUS** miniEngine series sound engine: Connect Vboard 25 Jia Yike Designer Limited Edition to the USB Host of miniEngine using the included USB cable, hold down the Power button to turn on the power. connect your speaker or headphone to miniEngine and turn on the miniEngine.



Use with external MIDI device: Connect to a USB 5V power adapter using the included USB cable, connect the MIDI OUT of Vboard 25 Jia Yike Designer Limited Edition to MIDI IN of external MIDI device with a 5 pin MIDI cable.



 Use with iOS device: Hold down the power button to turn on the power, and turn on Bluetooth on your iOS device, lanuch the APP which support Bluetooth MIDI and connect Vboard 25 Jia Yike Designer Limited Edition in setup menu. Please refer to <u>5. Bluetooth MIDI Connect(iOS)</u>.



Use with analog synthesizer: Connect the Vboard 25 Jia Yike Designer Limited Edition's pitch out, gate out and mod out to the analog synthesizer's CV inputs using 1/8" TS cables, Vboard 25 Jia Yike Designer Limited Edition can be power by the build-in battery.

### 2.2 Keyboard

Vboard 25 Jia Yike Designer Limited Edition has 25 velocity sensitive keys for playing and sending note on/off messages. These keys also can be used as shortcuts to access edit more parameters when hold down the SHIFT button.

SCALE OFF	CHIN	IA 1	CHINA 2	JAPAN 1	JAPAN 2	BLUES	BEBOP	WH TO	DLE NE	EGYPT	DORIAN	MIDDLE EAST	HARMONIC MINOR	MINOR	PHRYGIAN	HUNGARIAN MINOR
								h		ſ	-		1			

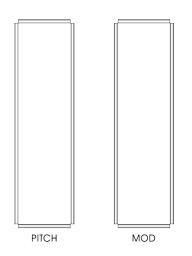
Scale Off ~ Hungarian Minor: Selecting the build in Smart Scale, when a scale is selected, the scale notes will be mapped on the white keys, for details please refer to 6.2 Scale List.

VELOC CURV		PGM-	PGM+	

**Velocity Curve:** Switch the keyboard velocity response curve from Normal, Soft, Hard and Fixed, default is Normal.

**PGM-/PGM+:** Sending the Program change message from 0 and 127.

#### 2.3 Pitch and Modulation



Two capacitive touch strips of Vboard 25 Jia Yike Designer Limited Edition allows for real-time pitch bend and modulation control.

Sliding up or down on the Pitch touch strip will raise or lower the pitch of the selected tone. The range of this effect is set within the hardware or software instrument being controlled.

Sliding up on the Modulation touch strip increases the amount of modulation on the selected tone. The response depends on the settings of the instrument being controlled. Certain instruments or presets will not use the modulation parameter.

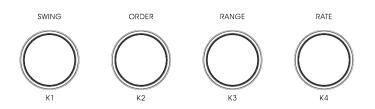
#### 2.4 Octave and Transpose



**Octave:** Pressing the **OCT-** or **OCT+** button to shift the octave range of keyboard, when activated, the selected octave button will light up, pressing the **OCT-** and **OCT+** buttons simultaneously will quickly reset the octave shift.

**Transpose:** Press and hold the **TRANS** button, then pressing the **OCT-** or **OCT+** button to transpose, when activated, the **TRANS** button will light up, and this can be toggled on and off by pressing the **TRANS** button, when off, the **TRANS** button backlit will dimmer, the previously used transpose setting will be stored while the unit remains powered.

#### 2.5 Knobs



Vboard 25 Jia Yike Designer Limited Edition features 4 assignable knobs, which has dual functions: turning knobs to send MIDI CC# message, or hold down the SHIFT button, then turning knobs to set the Swing, Order, Range and Rate of Arpeggiator (please refers to <u>2.9.1 Arpeggiator Control</u>), the default MIDI CC# of knobs as below:

Knobs	MIDI CC# (Default)
К1	CC#93
K2	CC#91
К3	CC#71
K4	CC#74

### 2.6 Shift



Hold down Shift button will activate the secondary functions of keyboard and knobs.

#### 2.7 Sustain



Activate the Sustain button will add sustain effects to the keyboard, it has 2 working mode:

1 Press Sustain once to activate sustain, press again to deactivate.

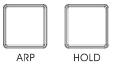
2) Hold down **Sustain** to activate sustain, release to deactivate.

#### 2.8 Chord mode



To activate chord mode, just hold down the **Chord** button, and play your preferred chord (maximum of 10 notes) on the keyboard after the screen displays "*Ed I*". Once you release the **Chord** button, this chord can be played by pressing just one note. The lowest note of the chord selected is considered to be the bottom note, and is automatically transposed to any new note you play. Press the Chord button again to deactivate chord mode.

### 2.9 Arpeggiator



The Arpeggiator included 3 buttons: **Arp**, **Hold** and **Tap Tempo**, and 4 knobs: **Swing**, **Order**, **Range** and **Rate**. Press **Arp** button to activate Arpeggiator, it will automatically plays arpeggio when you playing any note on the keyboard.

#### 2.9.1 Arpeggiator Control

When hold down the **Shift** button, then turning the 4 knobs to control the Arpeggiator:

Swing: Change the timing of the arpeggiator, range from "51 $\sim$ 75", the screen display " $_{o}FF$ , 5 ; to 75", default is " $_{o}FF$ ".

**Order:** Change the playing order of arpeggiator, you have the following choices: "Order", "Up", "Down", "Up/Down", and "Random", the screen displays "ord UP dn Ud rnd" default is "ord".

Order: Plays the current notes in the order they were originally played.

Up: Plays the current notes from lowest to highest.

Down: Plays the current notes from highest to lowest.

**Up/Down:** Plays the current notes from lowest to highest and back again.

Random: Plays the current notes in a random, non-repeating order

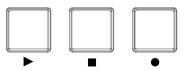
**Range:** Determine if the arpeggiator pattern is played only at its original pitch or across higher octaves when the pattern is repeated. From 1 to 4 octave, the screen display "o 4, o 2, o 3, o 4", default is "o 4".

**Rate:** Set the duration of each arpeggiator step. 1/4, 1/4 Triplet, 1/8, 1/8 Triplet, 1/16, 1/16 Triplet, 1/32, and 1/32 Triplet, the screen displays "4 4 B B L 15 15 32 32L", default is "4".

**Tap Tempo:** Tapping this button to setting the tempo of Arpeggiator, range from 30 to 300 BPM, the default is 120 BPM.

Hold: Hold the arpeggiator pattern when you lift your hands from the keyboard.

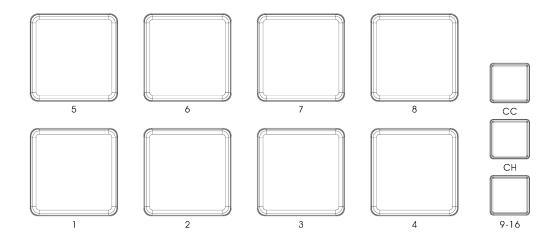
#### 2.10 Transport



The Transport buttons of Vboard 25 Jia Yike Designer Limited Edition has 2 working mode: **MMC** (MIDI Machine Control) and **MIDI CC**, When hold down the **Shift** button, then press the transport button to toggle the working mode, the DAW's transport control settings please refers to <u>4</u>. DAW settings, the default assignment of 3 buttons as below:

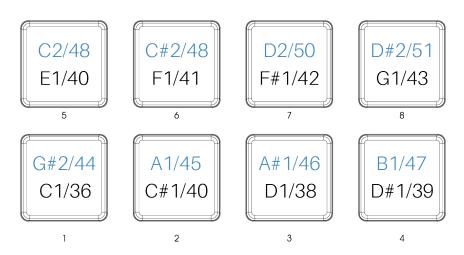
Button	MMC mode	MIDI CC mode
	Play	CC# 46
	Stop	CC# 47
•	Record	CC# 48

### 2.11 Pads and Pad mode buttons

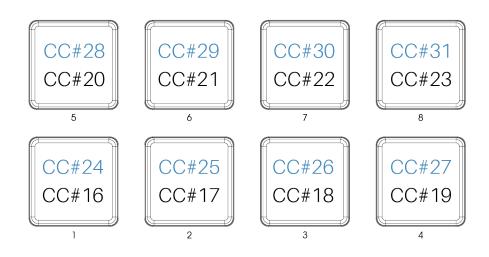


Vboard 25 Jia Yike Designer Limited Edition features 8 velocity and pressure sensitive pad with backlit, they has 3 working modes included **MIDI Note, MIDI CC and MIDI Channel.** 

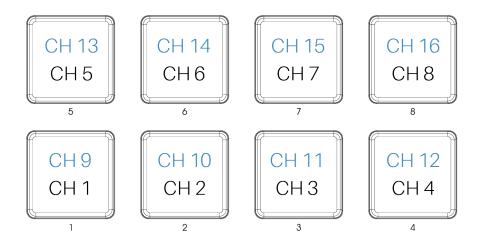
The default is **MIDI Note** mode, 8 Pads sends MIDI note from C1 to G1, when activate the 9-16 button, 8 pads sends MIDI note from G#1 to D#2, as below:



When activate the **CC** button toggles to **MIDI CC** mode, 8 pads sends MIDI CC# 16 to MIDI CC# 23, when activate the **9-16** button, 8 pads sends MIDI CC# 24 to MIDI CC# 31, as below:



When activate the **CH** button toggles to **MIDI Channel** mode, 8 pads switchs MIDI channel 1 to channel 8, when activate the **9-16** button, 8 pads switchs MIDI channel 9 to channel 16, as below:



# 3. Restore to Factory Settings

To perform a factory reset on your Vboard 25 Jia Yike Designer Limited Edition, please follow these steps:

- 1. Turn off the power of Vboard 25 Jia Yike Designer Limited Edition,
- 2. Hold down the " $\ensuremath{\text{OCT}}\xspace+$ " and " $\ensuremath{\text{OCT}}\xspace+$ " buttons simultaneously, then turn on the power,
- 3. Release the "OCT+" and "OCT-" buttons when the screen displays "-E5".

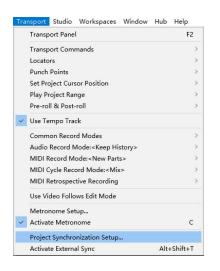
Note: Performing a factory reset will clear all your changes to the keyboard. Please operates carefully.

# 4. DAW Settings

Before starting, toggle the transport buttons to MMC mode (Please refer to 2.10 Transport).

#### 4.1 Steinberg Cubase/Nuendo Pro(MMC)

1. Go to menu: Transport > Project Synchronization Setup...



2. Select the Machine Control and enable MMC Slave Active, set the MIDI Input and MIDI Output as Vboard 25, then set the MMC Device ID as 116

gs
Vboard 25 🔻
Vboard 25 🔻
116 🖨
ngs

#### 3. Click on **OK** to finish setup

Note: Cubase LE/AI/Elements does not support MMC.

### 4.2 FL Studio(MMC)

1. Go to menu: **Options** > **MIDI settings** (keyboard shortcut F10)

OPTIONS	TOOLS HELP	_ # X
System		
MIDI	settings	F10
Audio	settings	
Gener	al settings	
File se	ttings	
Manad	ge plugins	

2. In the Input tab, find and **Enable** Vboard 25, then close the window to finish setup

Input						
Vboard 25			(generic controller)		Ċ	
🕘 Enable	Controller type	(generic controller)		+ <i>J</i> = 3	Port	

### 4.3 Studio One (MMC)

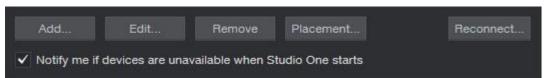
1. Go to menu: Studio One > Options...(keyboard shortcut: Ctrl+, )



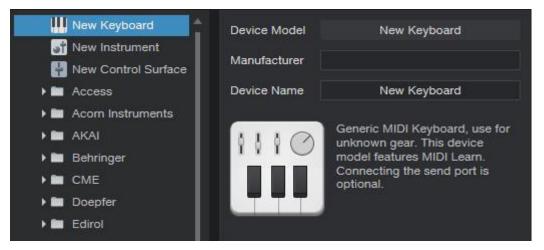
#### 2. Select the External Devices



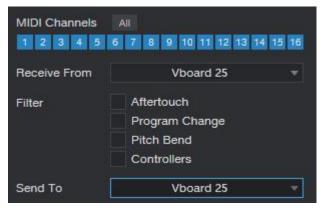
#### 3. Then click on Add...



#### 4. Select New Keyboard



#### 5. Set both Receive From and Send To as Vboard 25

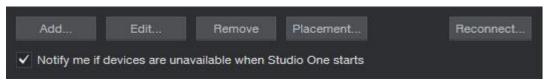


#### 6. Click on OK to finish this part

OK

\* Step 7 and 8 applies to Studio One 3 and earlier version

7. Click on Add...



8. Find the **PreSonus** folder in the list and select **MMC**, set both **Receive From** and **Send To Vboard 25**, then click on **OK** to finish setup.

2	Add Device		×
	AKAI AKAI AKAI AKAI AKAI AKAI AKAI AKA	Device Model Manufacturer Device Name	PreSonus MMC PreSonus MMC This device receives MIDI Machine Control transport commands.
		MACHINE CONTROL	Vboard 25 🔹
	<ul> <li>NI</li> <li>Peavey</li> <li>PreSonus</li> <li>FaderPort</li> <li>FaderPort 16</li> <li>FaderPort 8</li> <li>MMC</li> </ul>	Send To	None *
Studio One This port is already in use. Connecting multiple devices copied transmission of MIDI events.	×		OK Cancel

- \* Step 9 and 10 applies to Studio One 4 and later version
- 9. Go to menu: Studio One > Options...(keyboard shortcut: Ctrl+, )



10. Select the Advanced and select the Synchronization, enable the Sync to External Devices, set MIDI Machine Control is Vboard 25, then click on OK to finish setup.

Options					×
Q		0		•	
General	Locations	Audio Setup	External De	vices Advanced	
		MIDI Console	Synchronizatio	on Services	
✓ Sync to Exter	nal Devices				
MIDI Time Code		None			
MIDI Machine Co	ontrol	Vboard 25			
Options Sor	ng Setup		ply C	)K Cancel	

## 4.4 Pro Tools (MMC)

1. Go to menu: **Setup** > **Peripherals...** 

Setup	Window	Marketplace	<u>H</u> elp
Har	dware		
<u>P</u> lay	back Engir	ne	
Disk	Allocation	ı	
Pe <u>r</u> i	pherals		
<u>J</u> /O.			
Vide	eo Sync <u>O</u> f	fset	

2.In the pop-up window, click on the **Machine Control** tab, find the **MIDI Machine Control Remote (Slave)** and click it, set the ID as 116, then close the window to finish setup.

Synchronization	Machine Control	MIDI Controllers	Ethernet Control	llers N	lic Preamps	Satellites	VENUE
	MIDI Machin	e Control (Master)					
	C Enable	поле	O T	Preroll:	frames		
	MIDI Machin	e Control Remote (Sl	ave)				
	🛃 Enable	ID 116					

### 4.5 Logic Pro X (MMC)

1. Go to menu: Control Surfaces > MIDI...

Logic Pro X	File	Edit	Track	Navigate	Record	Mix	View	Window	8	Hel
About Logic	Pro X									
							m .			_
Preferences	s		>	General						
Control Sur	faces		•	Audio						
Key Comma	ands		•	Recording						
				MIDI						

2. Select the Sync window, find the MIDI sync Project Settings... and click on it

General Reset Messages Sync Inputs
All MIDI Output
Delay: v 0 ^ ms
MIDI Time Code (MTC)
MTC Pickup Delay: V 0 ^ Frames
Delay MTC transmission by: 🗸 0 🔿 ms
MIDI Machine Control (MMC)
MMC Uses: Old Fostex format
Output ID (Transport): 📝 All 🔗 127 🔿
Input ID (Transport): 🗹 All 🛛 \vee 127 🗠
Transmit locate commands when: 🗹 Pressing Stop twice
Dragging regions or events
Transmit record-enable commands for audio tracks
MIDI Sync Project Settings

3. Enable the Listen to MIDI Machine Control (MMC) Input, then close the window to finish setup.

	General A	Audio MIDI	Unitor			
Destination		Clock	Delay (ms)	PDC	мтс	ммс
Off						0
Off						8
Off						- Ö
Off						0
Off						0
Off						0
Off						0
Off						
Off						
Off	٥	(0)	0.0		0	0
Clock Mode : S	iong - SPP at Play Start ar	nd Stop/SPP/	Continue at Cycle Ju	mp 🔇		
Clock Start : at j	position ~ 111	1 ~ wit	h a pattern length of		bar(s)	
	Transmit MIDI Machine C Listen to MIDI Machine C					

### 4.6 Reaper (MMC)

1. Go to menu: **Options** > **Preferences...** (keyboard shortcut: Ctrl + P)

Options Actions Help	
<ul> <li>Record mode: normal</li> </ul>	
Record mode: time selection auto punch	
Record mode: auto-punch selected items	
New recording that overlaps existing media items	>
<ul> <li>Auto-crossfade media items when editing</li> </ul>	Alt+X
Trim content behind media items when editing	
<ul> <li>Always trim content behind razor edits</li> </ul>	
<ul> <li>Show all takes in lanes (when room)</li> </ul>	Ctrl+L
Take lane behavior	>
Show overlapping media items in lanes (when room)	
Ripple edit per-track	
Ripple edit all tracks	
<ul> <li>Item grouping enabled</li> </ul>	Alt+Shift+G
<ul> <li>Loop points linked to time selection</li> </ul>	
Snap/grid	>
Locking	>
Envelope points	>
Automation items	>
Metronome enabled	
Metronome/pre-roll settings	
Solo in front	
Pre-fader track metering	
Show FX inserts in TCP (when size permits)	
Show sends in TCP (when size permits)	
Peaks display mode	>
<ul> <li>Automatically scroll view during playback</li> </ul>	
Continuous scrolling	
Smooth seeking (seeks at end of measure)	
<ul> <li>Chase MIDI note-ons in project playback</li> </ul>	
External Timecode Synchronization	>
Show REAPER resource path in explorer/finder	
Customize menus/toolbars	
Themes	>
Layouts	>
Preferences	Ctrl+P

2. In the Preferences window, click on the **MIDI Devices** tab, find and right click on the the **Vboard 25** from the Device list, select **Enable input** and **Enable input for control messages**, then close the window to finish setup.

General Paths	14		ardware settings iputs to make available (selectable as track ir	puts and/or learn	able or action-bindable):
Keyboard/Multitouch		Devi	ce ^	Mode	ID
Project Track/Send Defaults		Vboa	rd 25	Enabled+Control	0
Media Item Defaults			Configure input		
Audio Device MIDI Devices Buffering			Input ID Forget device	>	
Mute/Solo		~	Enable input		
Playback	1	~	Enable input for control messages		Add joystick MIDI
Seeking Recording	Ĩ		Control messages: set channel	>	ID
Loop Recording Rendering Appearance Media Peaks/Waveforms Fades/Crossfades Track Control Panels			osoft GS Wavetable Synth [use cautiously] ird 25	<disabled> <disabled></disabled></disabled>	0 1
Editing Behavior Envelope Display Automation			strict MIDI hardware output to one thread	Reset on: 🔽 Play	Reset all MIDI devices

# 5. Bluetooth MIDI Connect(iOS)

1. Turn on the Bluetooth on your iOS device,



2. Open the App whitch support Bluetooth MIDI, take GarageBand as an example:



#### 3. After selected a instrument, click sitting in the upper right corner,

		5  7.1		► ●	<b>∕∕∠</b>	فَن کې Track Controls اوما
Sustain	Am	Dm	G	C	F	Song Settings

#### 4. Tap on the Advanced menu

	Settings	Done
Note Pad		>
Jam Session		Not connected >
Advanced		>

#### 5. Tap on the Bluetooth MIDI Devices

Bluetooth MIDI Devices	>
Send MIDI Clock	$\bigcirc$

#### 6. Find "Vboard 25" in the list and tap to connect

Advanced	Bluetooth MIDI Devices	Edit
BLUETOOTH MIDI DEVICES		
Wind Input / Output		Offline
Wind Input / Output		Offline
Vboard 25		Not Connected

Note: Bluetooth MIDI communication has a certain delay, and its connection stability will be affected by transmission distance, environment, obstacles, data volume, devices and other factors. If you have requirements on Bluetooth latency and connection stability, it is recommended to connect you device through USB or MIDI cable.

# 6. Appendix

### 6.1 Specifications

Model	Vboard 25 Jia Yike Designer Limited Edition
Keyboard	25 notes keyboard with velocity sensitive
Maximum Polyphony	64
Screen	Nixie tube
Buttons	1 Power Switch, 2 Octave, 1 Trans, 3 Transport, 1 SHIFT, 1 Tap Tempo, 1 Sustain,
	1 Pad CC, 1 Pad CH, 1 Pad 9 – 16, 1 Chord, 1 Arpeggiator and 1 Hold
	buttons.
Knobs	4 Assignable Knobs
Pads	8 velocity and pressure sensitive pads with backlit
Connectors	1 USB Type C, 1 1 MIDI out, 1 Sustain, 1 Mod out, 1 Gate out and 1 Pitch out
Dimensions	Folding: 374 x 126 x 48 (mm) Unfolding: 374 x 250 x 29 (mm)
Net Weight	1.07 kg

### 6.2 Scales

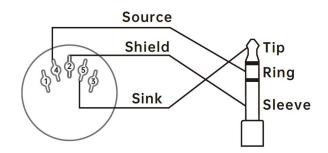
Display	Scale	Degree Formula
oFF	-	-
cn l	China 1	C, D, E, G, A
כהפ	China2	C, Eb, F, G, Bb
l P I	Japan 1	C, Db, F, G, Bb
59L	Japan2	C, D, Eb, G, Ab
ЬLÜ	Blues	C, Eb, F, F#, G, Bb
ьοР	Вевор	C, D, E, F, G, A, Bb, B
նհե	Whole Tone	C, D, E, F#, G#, Bb
563	Egypt	C, Db, Eb, E, G, Ab, Bb
dor	Dorian	C, D, Eb, F, G, A, Bb
Γ IE	Middle East	C, Db, E, F, G, Ab, B
አቦ ነ	Harmonic Minor	C, D, Eb, F, G, Ab, B
l' In	Minor	C, D, Eb, F, G, Ab, Bb
Phr	Phrygian	C, Db, Eb, F, G, Ab, Bb
հՍո	Hung Min	C, D, Eb, F#, G, Ab, B

# 6.3 MIDI CC List

CC Number	Purpose	CC Number	Purpose
0	Bank Select MSB	66	Sostenuto On/Off
1	Modulation	67	Soft Pedal On/Off
2	Breath Controller	68	Legato Footswitch
3	Undefined	69	Hold 2
4	Foot Controller	70	Sound Variation
5	Portamento Time	71	Timbre/Harmonic Intens
6	Data Entry MSB	72	Release Time
7	Main Volume	73	Attack Time
8	Balance	74	Brightness
9	Undefined	75 ~ 79	Undefined
10	Pan	80 ~ 83	General Purpose Controller 5 ~ 8
11	Expression Controller	84	Portamento Control
12 ~ 13	Effect Controller $1 \sim 2$	85 ~ 90	Undefined
14 ~ 15	Undefined	91	Reverb Send Level
16 ~ 19	General Purpose Controller 1 $\sim$ 4	92	Effects 2 Depth
20 ~ 31	Undefined	93	Chorus Send Level
32	Bank Select LSB	94	Effects 4 Depth
33	Modulation LSB	95	Effects 5 Depth
34	Breath Controller LSB	96	Data Increment
35	Undefined	97	Data Decrement
36	Foot Controller LSB	98	NRPN LSB
37	Portamento LSB	99	NRPN MSB
38	Data Entry LSB	100	RPN LSB
39	Main Volume LSB	101	RPN MSB
40	Balance LSB	102 ~ 119	Undefined
41	Undefined	120	All Sound Off
42	Pan LSB	121	Reset All Controllers
43	Expression Controller LSB	122	Local Control On/Off
44 ~ 45	Effect Controller LSB 1 $\sim$ 2	123	All Notes Off
46 ~ 48	Undefined	124	Omni Mode Off
49 ~ 52	General Purpose Controller LSB 1 $\sim$ 4	125	Omni Mode On
53 ~ 63	Undefined	126	Mono Mode On
64	Sustain	127	Poly Mode On
65	Portamento On/Off		

### 6.4 MIDI DIN to 3.5mm TRS Adapter

Vboard 25 Jia Yike Designer Limited Edition features a 3.5mm mini jack MIDI OUT, if you want to connect to the standard 5 pin MIDI IN, you need to use a 3.5mm TRS to MIDI DIN adapter, please note that there are 3 most common type adapter, make sure you are using the Type A, the MIDI-pin arrangement as below:



MIDI 4 (Source) > TRS Ring MIDI 2 (Shield) > TRS Sleeve MIDI 5 (Sink) > TRS Tip www.midiplus.com