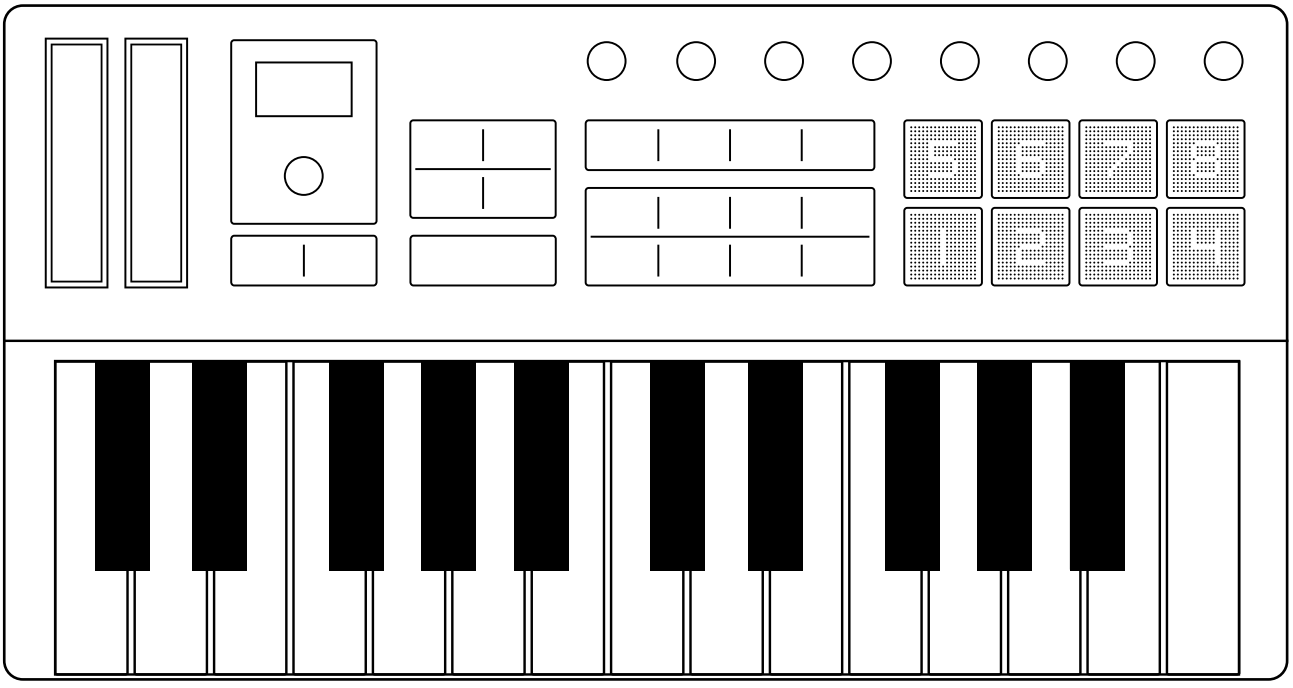
MEDELI



MCK25

WIRELESS MIDI KEYBOARD CONTROLLER
OWNER'S MANUAL

Important Messages

Please read this page carefully before operating and keep this manual properly for convenient reference in the future.

CAUTION

The normal function of this product may be subject to strong electromagnetic interference. Should the circumstances arise, please follow the relevant instructions in this manual to restore the product to its default settings. Otherwise, try moving the product to another location.

Power supply

This instrument is USB-powered and has a built-in Li-ion battery. Please use a high-quality power adapter and the included cable, and follow the instructions to properly connect and operate this instrument. Improper use may cause the instrument to malfunction or affect its performance. Please unplug the instrument during thunderstorms or when it is not in active use.

Connections

Before connecting this instrument to a computer or other compatible mobile devices, please ensure that the interface type, connection method and cable meet the requirements, and connect this instrument properly. Do not apply excessive force when plugging or unplugging this instrument, and do not use a damaged cable, as this may cause the instrument to malfunction or result in unstable connection.

Precautions

To avoid deformation, discoloration or other more serious damages, DO NOT place this instrument in:

- direct sunlight
- extremely hot environments or too close to a heat source (such as a heater)
- severe cold such as snowy and icy outdoors
- dusty environments, or places with high temperatures, high humidity, or unstable locations where strong vibrations or displacements may occur
- proximity of strong electromagnetic fields

Maintenance

Use only soft, dry cloth for cleaning. DO NOT use thinners, solvents, detergents, or wipes soaked with chemicals.
DO NOT apply excessive force when handling switches & knobs.
This instrument is safe for use in tropical climates with a maximum operating temperature of 45°C.
The maximum operating altitude is determined by the power supply unit.

Handling

Please avoid getting scraps of paper, metal, or other materials inside this instrument. If this happens, unplug this unit and have it checked by a qualified maintenance personnel.
Also, unplug this unit before moving it to another location.

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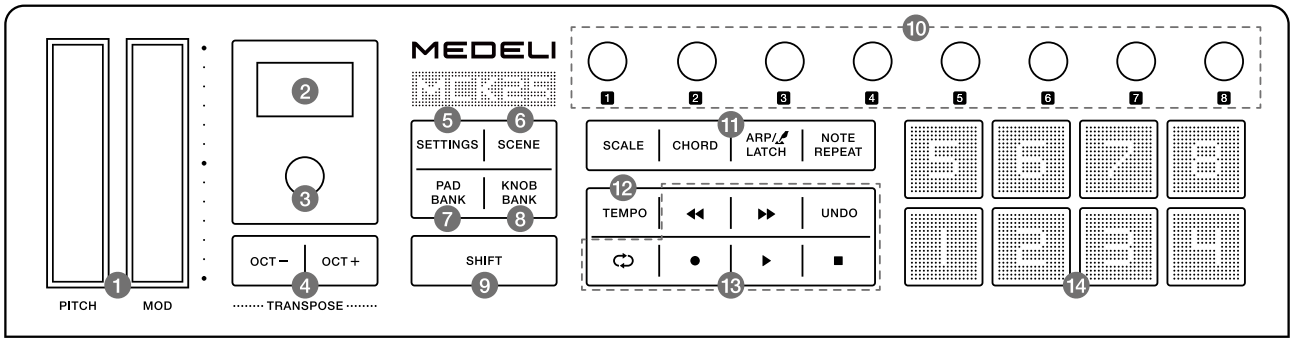
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Control Panel

Front Panel



1. [PITCH] / [MOD] Touch Strips
   Touch to send pitch-bend / modulation messages.

2. OLED Display
   Display current status and parameters.

3. Encoder
   Turn to navigate through parameters, press to confirm.

4. [OCT -] / [OCT +] Buttons
   Adjust the pitch in octaves. Press both buttons simultaneously to restore the default octave.
   Hold [SHIFT] and press these buttons to transpose the pitch in semitones.

5. [SETTINGS] Button
   Access the Global settings menu.

6. [SCENE] Button
   Press to switch preset scenes. Hold this button to access the Scene Select menu.

7. [PAD BANK] Button
   Switch pad banks (A / B).
   Hold [SHIFT] and press this button to select pad functions.

8. [KNOB BANK] Button
   Switch knob banks (A / B).
   Hold [SHIFT] and press this button to select knob functions.

9. [SHIFT] Button
   Access the secondary function of other buttons.

10. Assignable Knobs
    Rotate to transmit MIDI CC messages or DAW control messages.

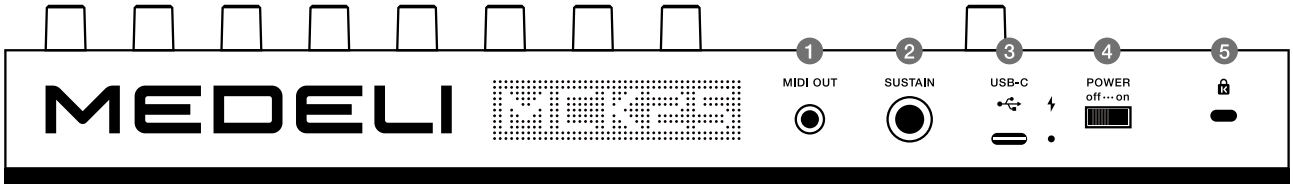
11. Creative Tools Section
    Press these buttons to enable Scale, Chord, Arpeggiator and Note Repeat.
    Hold [ARP/LATCH] to enable latch mode for the Arpeggiator.
    Hold [SHIFT] and press these buttons to access the corresponding edit menu.
    Note Repeat applies only to pads.

12. [TEMPO] Button
    Tap repeatedly to set the system tempo, or rotate the encoder to adjust the tempo.

13. Transport Control Section
    Control transport functions (Play, Stop, Record, etc.) in DAW software that supports MCU or MMC.

14. Pad Section
    These 8 velocity-sensitive pads come with polyphonic aftertouch and RGB backlight, capable of outputting notes, MIDI CC, Program Change and DAW control messages.

Rear Panel



1. MIDI OUT Port (1/8”)
   The TRS Type-A MIDI out port allows for connecting to external MIDI devices, such as synths, sound modules, drum machines, etc.

2. SUSTAIN Pedal Jack (1/4”)
   For connecting a sustain pedal.

3. USB-C Port
   Use the included USB cable to connect the keyboard to a computer or mobile device for transmitting MIDI data. The LED indicator lights red upon charging, and turns green when fully charged.

4. POWER Switch
   Turn the power on or off.

5. Kensington Lock
   For using a lock to secure the keyboard.

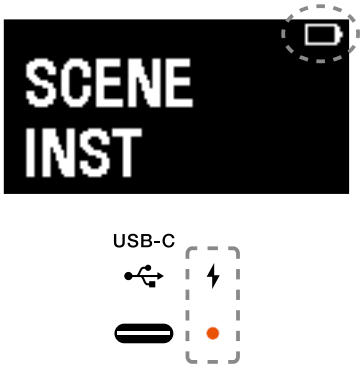
Getting Ready to Play

Setting Up Power Supply

Please fully charge the keyboard before using it for the first time. Use the included USB-C cable to connect the keyboard to a standard USB power adapter or a USB port on a computer for power supply.

When battery power is low, the battery icon on screen will flash. In such a case, please charge the keyboard immediately by connecting it to a power adapter or an external charger. The LED indicator next to the USB-C port lights red upon charging, and turns green when fully charged.

This keyboard can run approximately 6 hours when fully-charged. When battery power runs low, please charge the keyboard immediately. This helps extend the lifespan of the battery by preventing it from being over-discharged for extended periods of time.



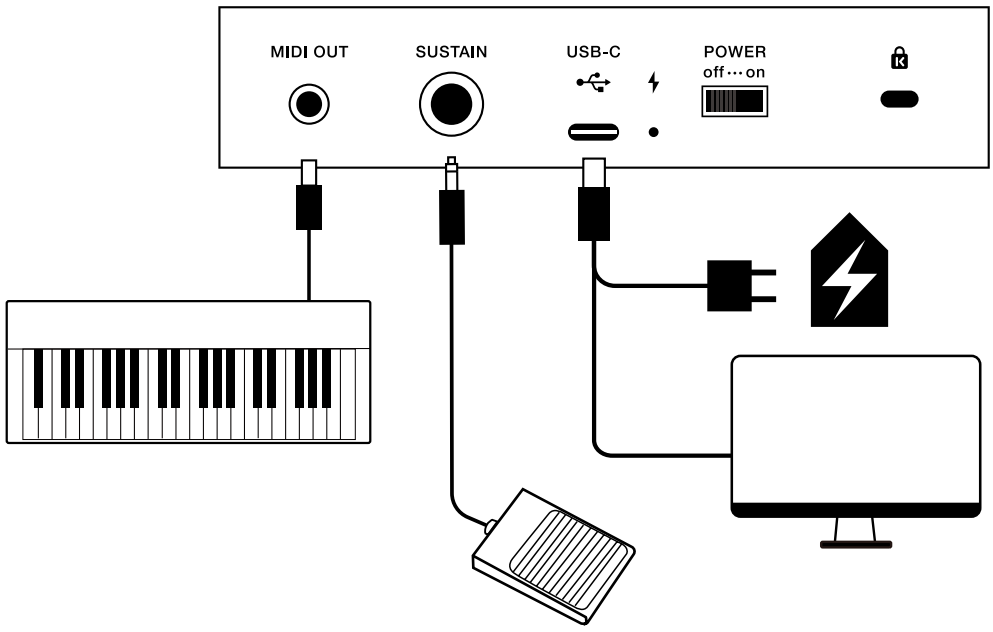
Turning the Power On/Off

Toggle the [POWER] switch located on the rear panel to ON. This will turn on the keyboard. Toggle the switch to OFF to turn off the keyboard.

If the keyboard shuts down due to low battery or the Auto Off function, please charge it until it has enough power, then toggle the [POWER] switch to OFF and back to ON to turn on the keyboard.



External Connections



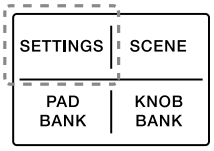
Connecting via USB-C Cable

By connecting the keyboard to a computer via a USB-C cable and setting it to work in USB mode, you can use it for music production, recording and controlling a DAW (Digital Audio Workstation) on computer.

1. Use the included USB-C cable to connect the USB-C port of the keyboard to a computer, tablet or other compatible mobile device.

2. Turn on the keyboard.

3. Press the [SETTINGS] button to enter the Global settings menu.



4. Turn the encoder to select Mode, press it to enter, then turn it to select USB. Press the encoder again to confirm and exit.

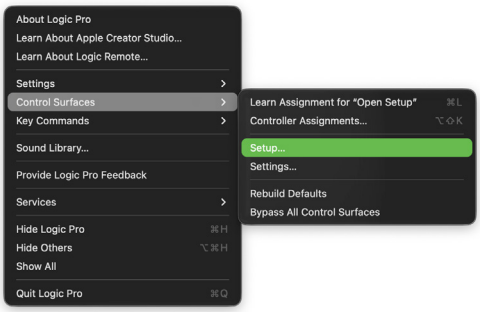


5. Open the DAW or Bluetooth MIDI-compatible app you're using, check that the keyboard is recognized and enabled in the MIDI / Controller / External Device Setup menu in the DAW or app.

Now you can use the keyboard to perform, adjust parameters or control your DAW.

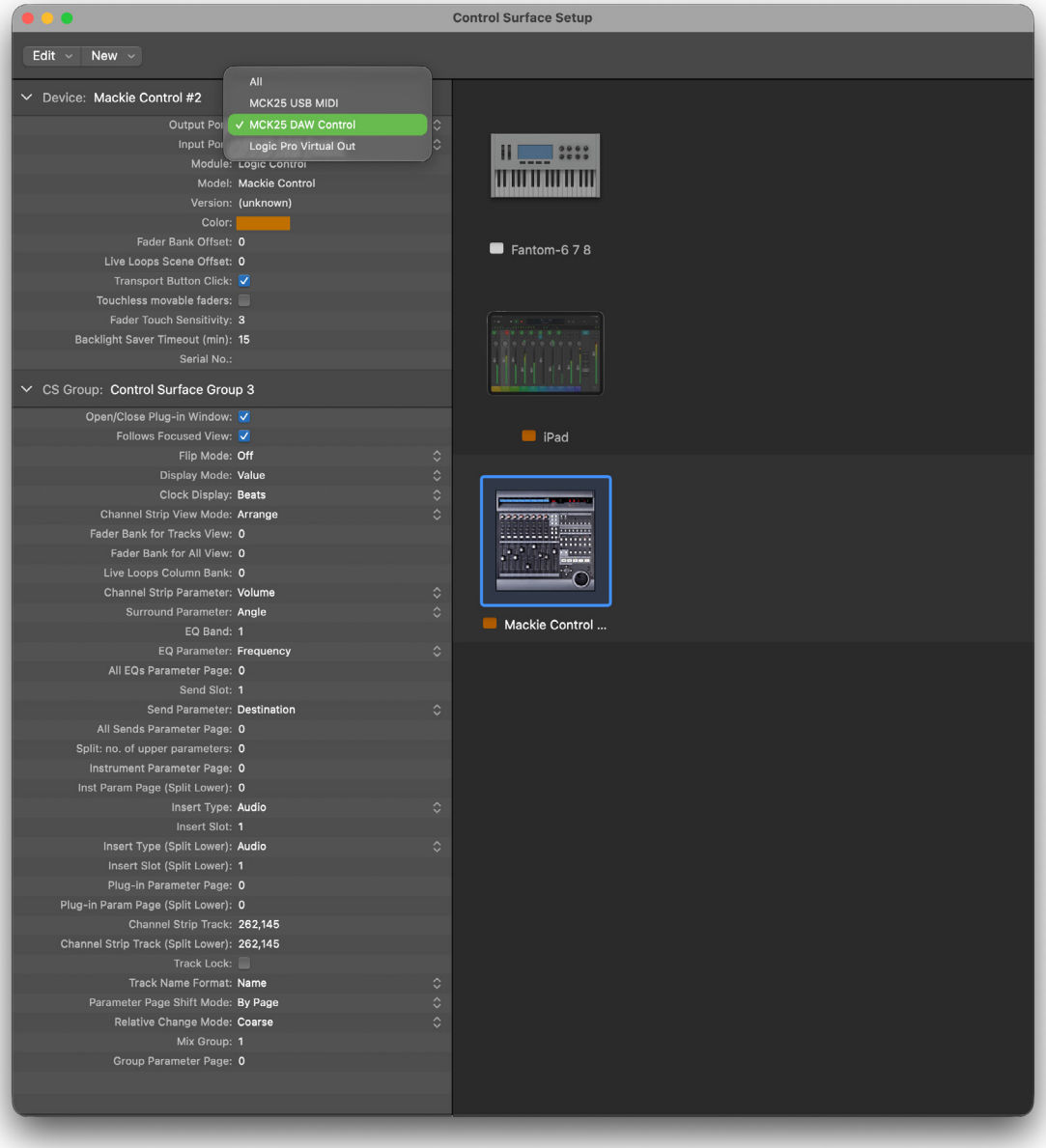
Using a DAW via Mackie Control Universal (MCU)

In USB mode, the keyboard supports controlling your DAW via the Mackie Control Universal protocol.
The MCU setup process may vary across different DAWs. Please refer to relevant setup guide of your DAW.



You can use the keyboard via MCU in DAW software such as Logic Pro, Cubase, Reaper, and Ableton Live.
Take Logic Pro as an example:
1. Go to Logic Pro > Control Surface > Setup.
2. Click New > Install
3. Search “Mackie Control” and install.
4. Set the input and output to MCK25 DAW Control (Port 2).

For other MCU-compatible DAWs, please go to the corresponding settings under Control Surface, add a Mackie Control / MCU device, and set the input and output as MCK25 DAW Control (Port 2).



Connecting via Bluetooth MIDI

This keyboard supports MIDI communication with DAWs and other compatible devices over Bluetooth Low Energy (BLE MIDI). BLE MIDI is ideal for scenarios such as mobile music production, tablet-based composition, and wireless workflows, allowing for cable-free performance input and control.

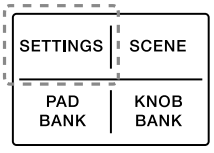
Before connecting via BLE MIDI, please make sure the keyboard has sufficient battery power and is set to BLE mode.

1. Turn on the keyboard.

2. Press the [SETTINGS] button to enter the Global settings menu.

3. Turn the encoder to select Mode, press it to enter, then turn it to select BLE. On this screen, it also displays the BTModel number, which shows the last four digits of the keyboard's Bluetooth ID.
   Press the encoder again to confirm and exit. When BLE mode is enabled, the Bluetooth icon will appear on screen.

4. Now go to the Bluetooth MIDI Devices list in the target DAW or Bluetooth MIDI-compatible app, scan for the keyboard's Bluetooth ID to connect. Once connected, it can communicate via Bluetooth MIDI right away.











Notes:
1. BLE MIDI devices usually use a different pairing procedure than Bluetooth headphones or other Bluetooth audio devices. Usually you can connect through the MIDI or Bluetooth MIDI settings screen located inside your DAW or app, rather than the regular Bluetooth audio settings screen.

2. USB MIDI output is disabled under BLE mode.

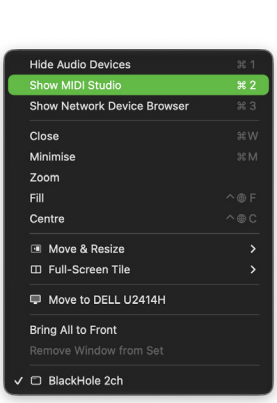
3. If this keyboard does not appear in the device list, please check that the BLE mode is enabled and the keyboard is not occupied by another host device. If necessary, run BLE Reset on the keyboard, and then scan for it to connect again.

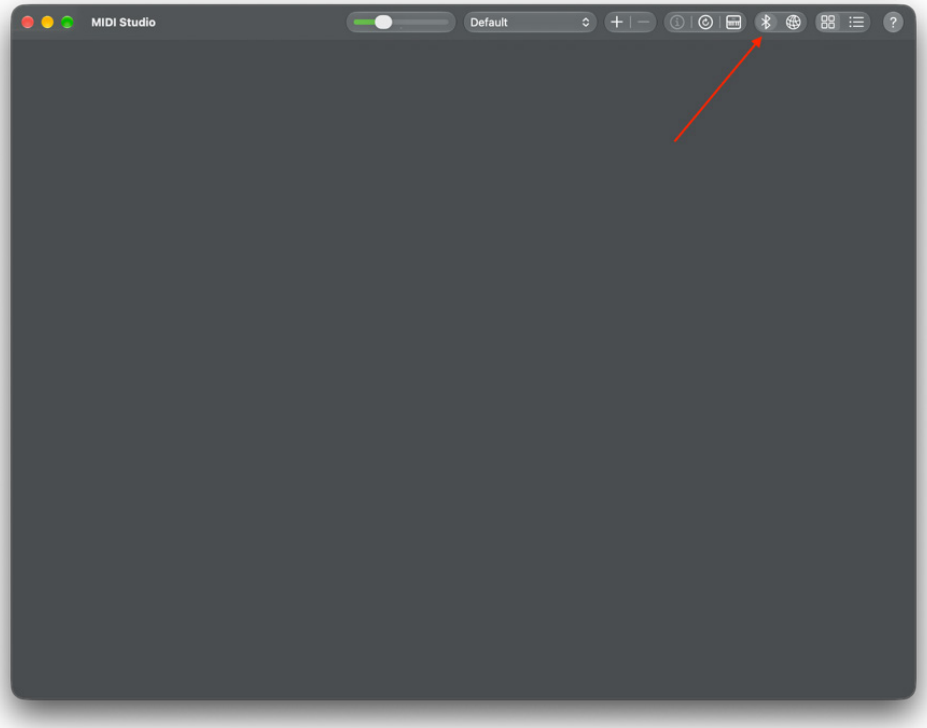
Connecting to macOS

1. Enable Bluetooth and open the Audio MIDI Setup application on your Mac.



2. Go to Window > Show MIDI Studio, then click the Bluetooth icon in the toolbar.





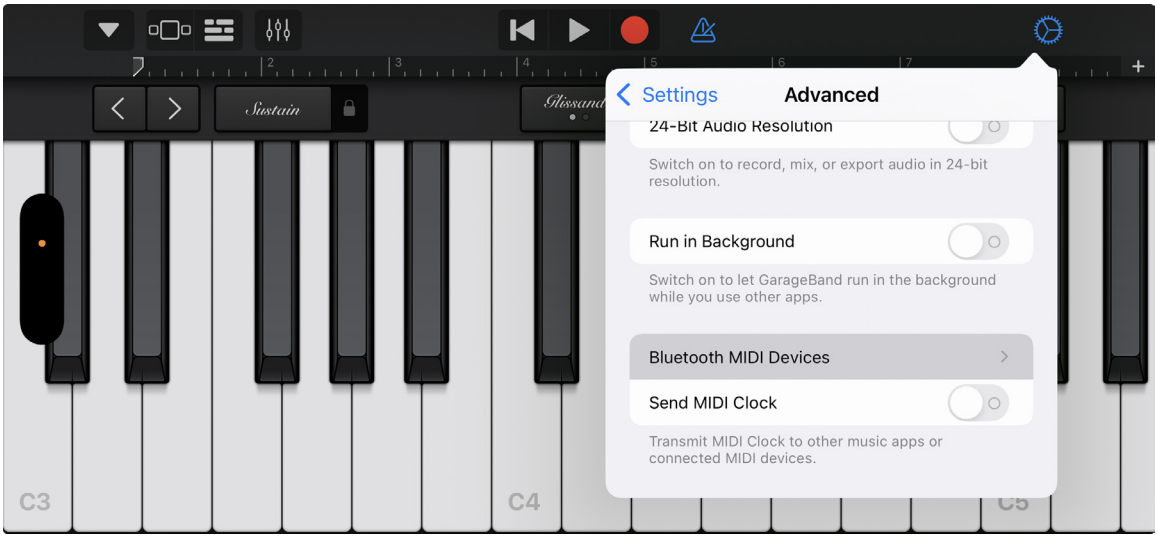
3. In the popup screen, select MEDELI MCK25 MIDI xxxx and click Connect.
   Once connected, you can use the keyboard for MIDI input and control your DAW.

Connecting to iPhone/iPad

Bluetooth MIDI connection can be established through a Bluetooth MIDI-compatible music app on iPhone or iPad.

Take GarageBand as an example:
1. Set the keyboard to BLE mode (Settings > Mode > BLE).
2. Open GarageBand on your mobile device.
3. On the instrument screen, click Settings > Advanced > Bluetooth MIDI Devices, then select MEDELI MCK25 to connect.

Once connected, you can go back to the instrument screen or project screen, and use the keyboard for MIDI input and control.



Connecting a Sustain Pedal

The keyboard includes a 1/4” (6.35mm) TRS sustain jack on the rear panel, for connecting a standard sustain pedal. Please connect the sustain pedal before turning on the power to ensure correct and stable pedal detection.

If the scene or software you’re using requires further configuration of the pedal behavior, please configure it accordingly.



Connecting via MIDI Out

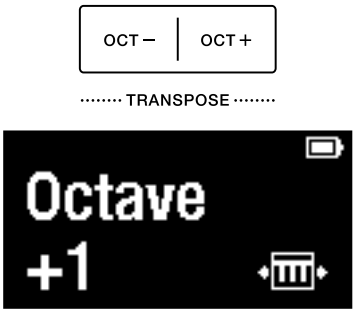
The keyboard includes a 1/8” (3.5mm) TRS Type-A MIDI out jack on the rear panel for connecting external MIDI hardware such as synths, sound modules, and drum machines.

Please use a TRS Type-A MIDI cable or an adapter to connect this MIDI out jack to the MIDI in of the external device.



Basic Operations

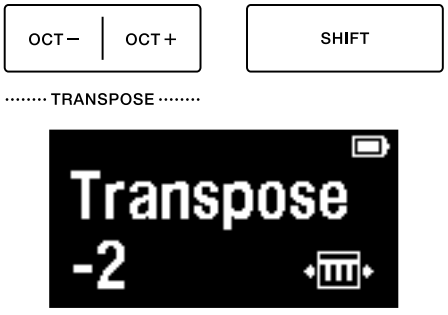
Octave Shift



Press the [OCT-] or [OCT+] button to shift the pitch of the keyboard one octave down or up. The screen displays the current octave setting.

Press [OCT-] and [OCT+] buttons at the same time to reset to the default octave.

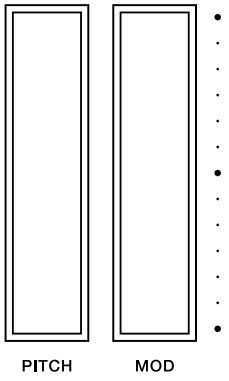
Transpose



Hold [SHIFT] and press the [OCT-] or [OCT+] buttons to shift the pitch of the keyboard down or up in semitones. Each press of the [OCT-] button shifts one semitone down, and each press of [OCT+] shifts one semitone up. The screen displays the current transposition setting.

Hold [SHIFT] and press the [OCT-] and [OCT+] buttons at the same time to reset transpose to 0.

Pitch & Mod Touch Strips



The two touch strips on the front panel can send pitch bend and modulation messages in real time during your performance.

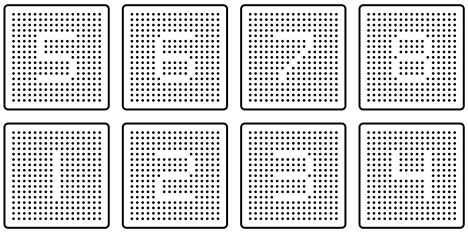
The pitch touch strip can be used to bend the pitch of the notes you are playing, allowing for expressive playing techniques such as glide, string bending or other performances with continuous pitch variations.
Pitch bend value will automatically return to the center position when you release your finger.

The modulation touch strip is usually used to control sound parameters such as vibrato, filter, brightness and other assignable parameters. The audible effect may vary depending on the mapping settings on the sound module, plugin or DAW you are using.

Unlike the pitch touch strip, the modulation value will stay where it is instead of returning to the original position when you release your finger. If you wish to reduce or cancel the modulation effect, touch the strip and slide to a lower value or the zero point.

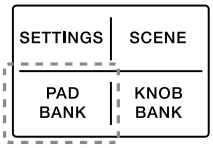
Using Pads

The keyboard features 8 velocity-sensitive pads with polyphonic aftertouch and RGB backlight. You can use them to play notes, trigger functions, switch programs or control your DAW's tracks.



Two assignable pad banks (A/B) are available, with Bank A for Pad 1-8 and Bank B for Pad 9-16.
You can press the [PAD BANK] button to switch the pad banks. The screen will temporarily display the current bank.

You can hold [SHIFT] and press the [PAD BANK] button to switch the pad mode.

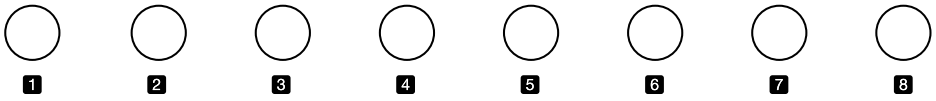


Four pad modes are available.

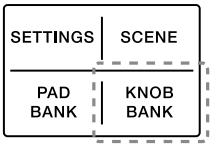
Pad Mode	Messages Sent	Availability
Note	Sends note messages with polyphonic aftertouch. It can be used to play drum kits, trigger samples or input notes.	Available in all scenes
CC Switch	Sends fixed MIDI Control Change messages for on/off switch control. It can be used to toggle between parameters, trigger a customized function, etc.	Available in all scenes
PC	Sends Program Change messages to change sounds, presets or program number on a connected sound module, virtual instrument or other compatible MIDI device.	Available in all scenes
Track	Sends DAW control messages.	For DAW scene only

Using Knobs

The keyboard features 8 endless knobs. You can use them to send continuous control messages, adjust parameters on connected virtual instruments or plugins, or control parameters in a DAW scene.



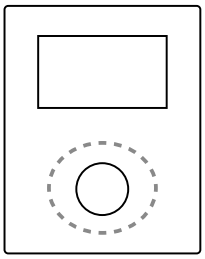
Two assignable knob banks (A/B) are available, with Bank A for Knob 1-8 and Bank B for Knob 9-16.
You can press the [KNOB BANK] button to switch the knob banks. The screen will temporarily display the current bank.



You can hold [SHIFT] and press the [KNOB BANK] button to switch the knob mode in a DAW scene.

Knob Mode	Messages Sent	Availability
CC	Sends continuous MIDI Control Change messages to adjust plugins, sound modules or assigned parameters.	Available in all scenes
Vol/Pan	Sends DAW Control messages for adjusting track volume or pan.	For DAW scene only

Using the Encoder



The encoder is very useful. You can turn it to navigate menus, switch items or adjust parameters, and then press it to enter the corresponding menus, confirm a selection or save settings. The encoder is the main control for setting menus, selecting scenes, editing scales, editing chords, editing the arpeggiator and other secondary functions.

Button Combinations with Shift



The [SHIFT] button can be used to access the secondary function of other buttons.

Hold [SHIFT] then press other buttons to execute corresponding operation, such as to transpose the pitch in semitones, switch pad modes, switch knob modes, enter the edit mode of scale / chord / arpeggiator / note repeat, and use secondary functions in scenes.

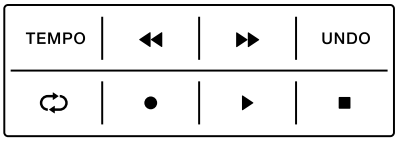
These button combinations can make your workflow more efficient.

Combination	Function	Description
[SHIFT] + [OCT-] / [OCT+]	Shift the pitch down or up in semitones	Each press will shift the pitch down or up one semitone, in the range of ±12 semitones. This function is separate from octave shift.
[SHIFT] + [PAD BANK]	Switch pad modes	Toggle between the available pad modes.
[SHIFT] + [KNOB BANK]	Switch knob modes	Available only for DAW scene. Toggle between the modes: Vol/Pan (default setting) and CC.
Not available in Inst / User scenes.	Sends DAW control messages.	For DAW scene only
[SHIFT] + [SCENE]	Enter user scene edit mode	Available only for user scenes. When enabled, the [SCENE] button indicator flashes and the screen displays the Knob1 Edit menu by default. Not available in preset scenes.
[SHIFT] + [SCALE]	Enter scale edit mode	Enter the Scale Edit menu to edit the current scale parameters. Press these buttons again or the [SCENE] button to exit.
[SHIFT] + [CHORD]	Enter chord edit mode	Enter the Chord Edit menu to edit the current chord parameters. Press these buttons again or the [SCENE] button to exit.
[SHIFT] + [ARP/LATCH]	Enter Arp edit mode	Enter the Arp Edit menu to edit the current arpeggiator parameters. Press these buttons again or the [SCENE] button to exit.
[SHIFT] + [NOTE REPEAT]	Enter note repeat edit mode	Enter the Note Repeat Edit menu to edit the current note repeat parameters. Press these buttons again or the [SCENE] button to exit.

Creative Features

The keyboard provides multiple creative features including Scale mode, Chord mode, Arpeggiator (Arp), Arp Latch, Note Repeat and Tempo setting, making it easy and fast to generate melodies, harmonies and rhythmic patterns for your performance, composition and mobile music production.





Use the Creative Tools section on the front panel to access these features.
Hold [SHIFT] and press these buttons to enter the corresponding edit menu.

Scale Mode

When Scale mode is enabled, the entire keyboard will respond according to the selected scale, making it easy to play harmonious melodies in that scale. This is ideal for improvising or quickly writing melodies without worrying about playing the wrong notes.

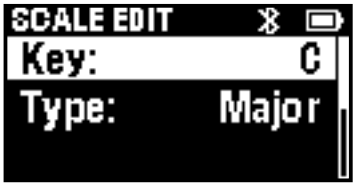
Press the [SCALE] button to enable or disable this function. When enabled, the button indicator lights up, and the screen displays the current scale. When disabled, the button indicator turns off, and the keyboard returns to normal mode.



Hold [SHIFT] and press the [SCALE] button to enter the Scale Edit menu, then use the following steps to edit scale parameters.



1. Turn the encoder to select a parameter for editing.
2. Press the encoder to access the setting menu for the current parameter.
3. Turn the encoder to navigate the options.
4. Press the encoder to confirm the setting and return to the previous menu.
5. Press the button combination again or the [SCENE] button to exit the Scale Edit menu.

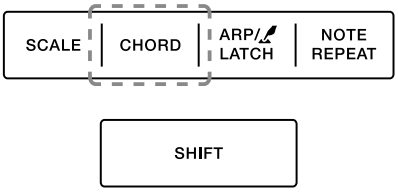


Scale Parameters and their Options:

Parameter	Option	Description
Key	C, C#, D, D#, E, F, F#, G, G#, A, A#, B	Set the root note of the scale. For example, setting the key to C and the type to Major will get the standard C Major scale. Changing the key will shift the entire scale.
Type	Major Dorian Phryg Lydian Mixolyd Minor HarmMin Locrian PentMaj PentMin Blues WhlTone	Set the scale in which the notes will play. Major Dorian Phrygian Lydian Mixolydian Minor Harmonic Minor Locrian Major Pentatonic Minor Pentatonic Blues Whole Tone

Chord Mode

Chord mode makes it easy to play chords. When enabled, a single key press can trigger a preset chord, making it ideal for quickly adding harmonies, trying out chord progressions, or capturing ideas on the go.



Press the [CHORD] button to enable or disable this function. Hold [SHIFT] and press the [CHORD] button to enter the Chord Edit menu.

Chord Parameters and their Options:

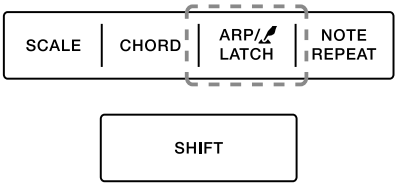
Parameter	Option	Description
Key	C, C#, D, D#, E, F, F#,G, G#, A, A#, B	Set the key in which chords will play. It defines the tonal basis rather than the root of a fixed chord. This parameter follows the Key setting in Scale mode.
Type	Major, Minor	Set the scale in which chords will play. It will automatically generate chords for each note according to the selected scale.
Voicing	1,3,5 1,3,5,7 1,5,9	Set the voicing of the chord. 1,3,5 indicates the basic triad. 1,3,5,7 adds a seventh on the triad to make it sound richer. 1,5,9 delivers the richest sound, suitable for harmonic pads.

For example, with these settings Key = C, Type = Major, Voicing = 1,3,5, the keyboard will generate chords based on the C major scale.

Pressing the C note outputs a C major triad, pressing the D note outputs a D minor triad, and pressing the E note outputs an E minor triad. Likewise, the other notes will output corresponding chords based on the current scale.

Arp & Latch

The arpeggiator (Arp) can split the notes you play together and play each note in a continuous sequence, making it ideal for generating broken chords, melodic sequences, and rhythmic patterns.



Press the [ARP/LATCH] button to enable or disable the arpeggiator. Hold [SHIFT] and press the [ARP/LATCH] button to enter the Arp Edit menu.

The Arp Latch will keep the arpeggiator playing even after you release the keys. This is useful when you wish to adjust parameters or let the arpeggiator loop continuously. Hold the [ARP/LATCH] button to enable Arp Latch.

Arpeggiator Parameters and their Options:

Parameter	Option	Description
Type	Up, Down, Up/Dn, Up&Dn, Order, Random	Set the playback behavior of the arpeggiator. These types will directly change how the melody moves and repeats. Please see the Arp Type below for details.
Rate	1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T	Set the time division of the arpeggiator. Notes will be played at this rate according to the current tempo. Options with “T” indicate a triplet rhythm.
Octave	1, 2, 3, 4	Set the octave range of the arpeggiator.
Swing	50%–75%	Set the swing of the arpeggiator. Setting it to 50% produces an even division between the notes. The higher the value, the more obvious the swing effect, making it suitable for grooves.
Gate	5%–100%	Set the length of each note. A smaller value produces a shorter, more percussive sound, while a higher value creates a more continuous sound, suitable for flowing melodies.

Arp Type:

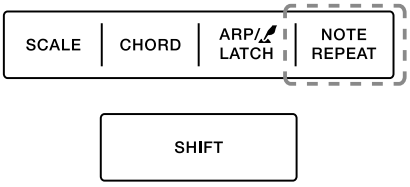
Parameter	Option
Up	Play the note from low to high. 
Down	Play the notes from high to low. 
Up / Dn	Play the note from low to high, then back down. The top and bottom notes are repeated. 
Up & Dn	Play the note from low to high, then back down. The top and bottom notes are not repeated. 
Order	Play the notes in the same order you played them.
Random	Play the notes in a random order.

Note Repeat

Note Repeat applies only to the pads. When enabled, you can retrigger pads at the current tempo and rate by holding them down, making it suitable for quickly adding drum beats, hi-hat rolls, trap drum rolls, and various rhythmic variations.

Press the [NOTE REPEAT] button to enable or disable this function.

Hold [SHIFT] and press the [NOTE REPEAT] button to enter the Note Repeat Edit menu.



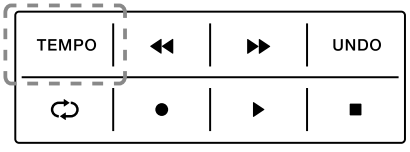
Note Repeat Parameter and Option:

Parameter	Option	Description
Rate	1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T	Set the time division for note repeat. Pads will trigger at this rate according to the current tempo. Options with “T” indicate a triplet rhythm.

Tempo Setting

Use the [TEMPO] button to adjust the tempo of the keyboard. The tempo affects the arpeggiator and note repeat functions. Once adjusted, these functions will follow the new tempo.

Press the [TEMPO] button to temporarily bring up the tempo screen. The screen displays the current tempo. You can turn the encoder to adjust the tempo, or tap the [TEMPO] button repeatedly to set the tempo.



Scenes & DAW Control

Scene Overview

The keyboard provides 4 scenes:
- Scene 1: Inst, for performance and plugin control.
- Scene 2: DAW, for mixing and transport control.
- Scene 3: User1, user-customized scene 1.
- Scene 4: User2, user-customized scene 2.

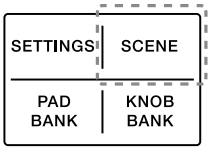
The Inst and DAW are factory preset scenes. Inst scene is mainly for instrument performance, plugin control and MIDI creation workflows, while DAW scene is for mixing, transport and DAW control.
Note that these two preset scenes are not editable.

Two user scenes are also available. You can use them to save your pad and knob mappings to suit different music software, sound modules or workflows.

Selecting Scenes

Press the [SCENE] button to toggle between the two preset scenes: Inst and DAW.

To select a user scene, hold the [SCENE] button to enter the Scene Select menu, turn the encoder to select User1 or User2, then press the encoder to confirm.



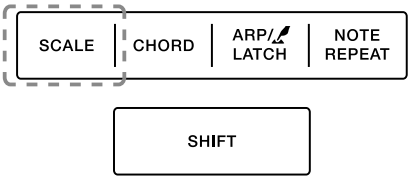


Editing & Saving User Scenes

Scene editing function is available only for User1 and User2. Hold [SHIFT] and press the [SCENE] button to enter the scene edit menu. The [SCENE] button indicator flashes and the screen displays the Knob1 Edit menu by default. At this point, you can rotate the knobs or press the pads to go to the corresponding edit menu.

If you wish to select knobs in Bank B, press the [KNOB BANK] button. Now you can rotate the knobs to access the edit menu of Knob 9-16. Likewise, you can press the [PAD BANK] button to switch to Pad 9-16 in Bank B.

To exit the scene edit mode, press the [SCENE] button. The screen will pop a message asking you to save the settings. Turn the encoder to select Yes or No, then press the encoder to confirm.







DAW Control in USB Mode

In USB mode, the keyboard provides 2 virtual ports.
To use the keyboard as a DAW control surface, please set it as follows:

1. Set the keyboard to USB mode (Settings > Mode > USB).
2. Go to the Control Surface / Controller / External Device menu of the DAW, add a new controller, select Mackie Control / MCU, then set the input and output as MCK25 DAW Control (Port 2).



If you wish to have a more complete DAW integration experience, please use the USB mode whenever possible.

DAW Control in Bluetooth Mode

To use the keyboard in Bluetooth mode, please set it as follows:

1. Set the keyboard to BLE mode (Settings > Mode > BLE).
2. Scan for the keyboard in the Bluetooth MIDI Devices list of the target DAW, then connect.



Once connected, normal MIDI communication is available. You can use the transport control section on the keyboard to control the DAW over MMC commands.

Please note that DAW control via Bluetooth is more suitable for portable, wireless, and basic DAW control use cases, especially for music production apps on a mobile device.
If you wish to have a more standard and complete control surface, please use the USB mode.

Transport Control

The keyboard features a dedicated transport control section, which can be used to control functions such as play, record, stop, fast forward, rewind, and stop on a DAW that supports the corresponding control protocol.

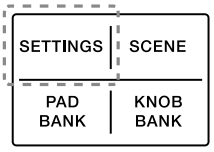
In USB mode, transport control is typically used as part of an MCU workflow.

In BLE mode, transport control is achieved using MMC commands. If the transport control section does not work properly with your DAW, please check the current connection mode, the DAW's control protocol settings, and whether the DAW supports this method.

Global Settings

In the global settings menu, you can adjust common parameters such as connection mode, Bluetooth, MIDI channel, velocity curves, display brightness, and auto off to suit your performance preference and workflow.

Settings Menu



Press the [SETTINGS] button to enter the global settings menu. Then use the following steps to adjust parameters.

1. Turn the encoder to select a parameter for editing.
2. Press the encoder to access the setting menu of the current parameter.
3. Turn the encoder to navigate the options.
4. Press the encoder to confirm the setting and return to the previous menu.
5. Press the [SETTINGS] button again to exit the global settings menu.



After accessing a parameter's settings menu, if you wish to cancel the changes, press the [SETTINGS] button again to exit the settings menu.



Connection Mode & Bluetooth Setting

The connection mode determines how the keyboard communicates with external devices.

Two modes are available: USB and BLE.

- USB mode: the keyboard connects to computers, tablets, or other compatible devices via a USB-C cable.
- BLE mode: the keyboard can connect wirelessly to devices that support Bluetooth MIDI.

When the mode is set to BLE, the BLE Reset parameter will appear in the settings menu, which can be used to clear current Bluetooth connection and initialize the BLE MIDI function. This will be useful in these scenarios:

- The keyboard's Bluetooth ID cannot be discovered.
- The keyboard cannot reconnect via Bluetooth after connecting to another host.
- Bluetooth connection is interrupted unexpectedly and needs to be re-established.
- Establish Bluetooth connection with a different computer, tablet or mobile device.

After performing BLE Reset, please scan and connect again in the Bluetooth MIDI Device list of the target device.

Parameters List

Parameter	Option	Description
Mode	USB, BLE	Set the current connection mode of the keyboard. USB: communicates MIDI data via USB. BLE: communicates MIDI over Bluetooth Low Energy. At this point, USB MIDI output is disabled.
BLE Reset	Yes, No	Available only when the Mode is set to BLE. It will reset current Bluetooth connection, which is useful when the keyboard cannot be discovered via Bluetooth, fails to reconnect or needs to pair with a different host device.
Kb Channel	1-16	Set the MIDI channel on which the keyboard transmits data.
Pd Channel	1-16	Set the MIDI channel on which the pads transmit data.
Pd AT	Poly, Channel, Off	Set the type of pad aftertouch. Poly is polyphonic aftertouch, while Channel is channel aftertouch. Select Off to disable this function.
Kb Curve	Soft, Mid, Hard	Set the keyboard velocity curve. Soft: makes it easy to output high MIDI velocity. Mid: provides a balanced touch response. Hard: requires extra force.
Pd Curve	Soft, Mid, Hard	Set the pad velocity curve. Soft: suitable for playing with low velocity. Mid: general setting. Hard: requires extra force.
Brightness	1-10	Set the brightness of the OLED.
Display Off	Off, 10s, 30s, 1min, 5min, 10min, 30min	Set the standby time after which the OLED automatically turns off.
Auto Off	Off, 5min, 10min, 15min, 30min	Set the standby time after which the keyboard automatically shuts down.
Reset Sys	Yes, No	Restore system parameters to factory default settings. This is useful when you wish to restore default settings or eliminate any abnormal settings.
Init Scene	Yes, No	Clear the data in user scenes. This will remove user data saved in User1 and User2.

Troubleshooting

If the keyboard behaves abnormally, please first check if the power supply, connection mode, current Scene, and relevant software settings are correct.
In most cases, the problem can be solved by re-configuring the connection mode, reconnecting your device, or restoring relevant settings.
If the problem still exists after trying those methods, please contact MEDELI Support.

Cannot Turn on the Power

If the keyboard cannot be turned on, please check as follows:

- Make sure the keyboard has sufficient battery power. When using it for the first time, please charge it by connecting it to a charger or a computer's USB port via the included USB cable. The LED indicator (next to the USB port) lights red upon charging, and turns green when fully charged.
- Make sure the [POWER] switch on the rear panel is set to ON. The keyboard enters working mode only after the [POWER] switch is set to ON.
- If the keyboard shuts down due to low battery or the Auto Off function, please first fully charge the keyboard. Then toggle the [POWER] switch to OFF and then back to ON to turn on the keyboard.

Cannot Charge the Battery

If the keyboard's battery fails to charge, please check as follows:
Check if the USB cable and power supply are working correctly. Please use the included USB cable and a stable USB power source. This keyboard uses USB power and has a built-in Li-ion battery. Improper use may cause malfunctions or affect performance.

After connecting the keyboard to a charger, check the LED indicator next to the USB port. It lights red upon charging, and turns green when fully charged. If the LED indicator shows no change, check if the cable is properly connected, or try a different power adapter / USB port.

If the keyboard still cannot be turned on or the battery does not recover after charging for a long period of time, stop using it and contact MEDELI Support.

USB Cannot be Recognized

If the keyboard cannot be recognized when connected to a computer, tablet, or other compatible device via USB, please first check if the keyboard is set to USB mode (Settings > Mode > USB). If it is in BLE mode, the keyboard will not communicate properly with external devices via USB MIDI.

If the keyboard is already set to USB mode, please continue to check as follows:

- Make sure the USB cable is working properly and is securely connected to both the keyboard and the computer / mobile device.
- Make sure the MIDI device is recognized and enabled in your software.

Cannot Connect via Bluetooth

When using BLE MIDI, if the keyboard cannot be discovered or connected via Bluetooth, please check if the keyboard is set to BLE mode (Settings > Mode > BLE). The keyboard will communicate via Bluetooth MIDI only when it is in BLE mode.

Please note that BLE MIDI devices usually use a different pairing procedure than Bluetooth headphones and other Bluetooth audio devices. Here are the correct steps:

1. Open a DAW or Bluetooth MIDI-compatible app that you wish to use.
2. Go to the Bluetooth MIDI Devices list in the DAW or app.
3. Scan and tap MEDELI MCK25 to Connect.

If it still fails to connect via Bluetooth, please check as follows:

- Make sure the keyboard is turned on and has sufficient battery power.
- Make sure it is not currently occupied by another computer, tablet, or mobile phone.
- Run BLE Reset (Settings > BLE Reset) to clear the current Bluetooth connection. Then scan and connect again.
- Close the app or the Bluetooth MIDI Devices screen. Open it and scan again.

If it still cannot connect, please turn off the keyboard and wait several seconds, then turn it back on. Set it to BLE mode and try again.

No Response from DAW

If the connected DAW is not responding to your performance or control, based on the connection mode, please check as follows:

When using USB mode, please make sure:
- The keyboard is set to USB mode (Settings > Mode > USB).
- MIDI input is enabled in the DAW.
- The DAW supports Mackie Control / MCU. Add a new controller in the Control Surface / Controller / External Device menu of the DAW, select Mackie Control / MCU, then set the input and output as MCK25 DAW Control (Port 2).

When using BLE mode, please make sure:
- The keyboard is set to BLE mode (Settings > Mode > BLE).
- The keyboard is connected in the Bluetooth MIDI Devices list of the DAW or Bluetooth MIDI-compatible app.
- The DAW supports transport control via MMC commands.

No Output from MIDI Out

If the connected external device such as a synth, sound module, or drum machine does not receive MIDI messages sent from this keyboard, please check if the device is correctly connected to this keyboard.

This keyboard provides a TRS Type-A MIDI out port on the rear panel for connecting external MIDI devices.

Specifications

MCK25		
Keyboard		25 mini synth-action keys
Pad		8 velocity sensitive pads with polyphonic aftertouch and RGB backlight
Controls	Pitch & Modulation	2 touch-strip controls
	Knob	8 assignable 360° knobs
	Transport	Record, Start, Stop, Loop, Fast Forward, Rewind, Undo
Display	Size	0.96” OLED
	Resolution	128 x 64
Creative Feature		Arp, Chord, Scale, Note Repeat
Connectivity		USB-C, sustain pedal (1/4”), TRS Type-A MIDI out (1/8”)
Bluetooth MIDI		Yes
Power		Built-in 2600mAh Li-ion battery
Dimensions		323 × 170 × 48 mm
Weight		0.82 kg
Accessory		Quick Start, USB-C cable

Appendix

MIDI Port Description

When connected via USB, this keyboard provides two virtual ports to separate performance messages from control messages.

Port	Description
USB MIDI (Port 1)	Sends performance messages and general controller messages, such as MIDI messages from the keyboard, pads, and knobs.
DAW (Port 2)	Sends DAW control messages for DAW control workflows.

Default MIDI Event of Knobs

Knob Mode	Default Setting	Description
CC	CC# = 24-39 (increment in knob order)	Sends continuous CC control messages.
Vol/Pan	MCU / MIDI CC	Used for track control in DAW scene. Manual assignment may be required when using Bluetooth connection.

Default MIDI Assignment of Pads

Pad Mode	Default	Description
Note	Note = C1-G9	Sends pad note messages.
CC	CC# = 102-117 (increment in pad order)	Sends switch-type CC control messages.
PC	PC# = 0-15 (increment in pad order)	Sends Program Change messages.
Track	MCU / MIDI CC	Used for track control in DAW scene. When in BLE mode, the connected DAW / app should support corresponding MIDI CC mapping, or the function needs to be assigned manually.

Default MIDI Event of Transport Control

Control	Default event in USB Mode	Default event in BLE mode	Description
<<	MCU	MMC	For rewind control, moving the playback position backward.
>>	MCU	MMC	For fast forward control, moving the playback position forward.
Undo	MCU	CC#85	Used to undo an operation. When in BLE mode, the connected DAW / app should support corresponding MIDI CC mapping, or the function needs to be assigned manually.
Loop	MCU	CC#86	Turn loop on/off. When in BLE mode, the connected DAW / app should support corresponding MIDI CC mapping, or the function needs to be assigned manually.
Rec	MCU	MMC	For record control, to start or arm recording.
Play	MCU	MMC	For play control, to start playback.
Stop	MCU	MMC	For stop control, to stop playback.
Encoder	MCU bank switch	CC#88 / CC#89	In USB mode, switch banks to control more tracks. In BLE mode, these two CC events distinguish the rotation direction. Relevant functions are usually manually assigned in the connected DAW / app.


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PAP