

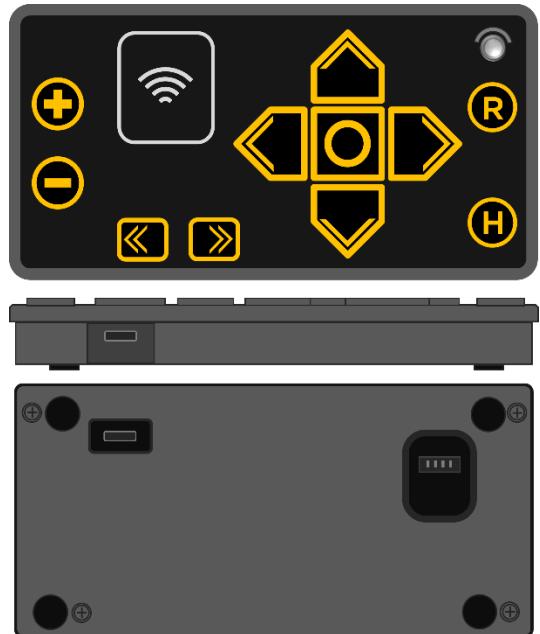


# KY Key Pad

KY Key Pad is a user-centered product designed to make the interface more convenient and easy to control the kiosk. By providing keys for adjusting sound volume and reading speed, as well as keys for moving to the home screen or listening again, it helps users control various functions of the kiosk more easily. USB, 3.5mm audio port, and Bluetooth are provided. It is designed to deliver clearer sound.

## Product Specifications

- Bluetooth 5.2
- USB audio and keyboard
- NFC for easy Bluetooth connection
- 2 USB ports for various installation environments
- 11 customizable keys
- Embossed and shaped keys for palpation
- Backlight for improved visibility
- 3.5mm audio port
- Audio transmission and keyboard settings via Bluetooth
- keypad water resistant
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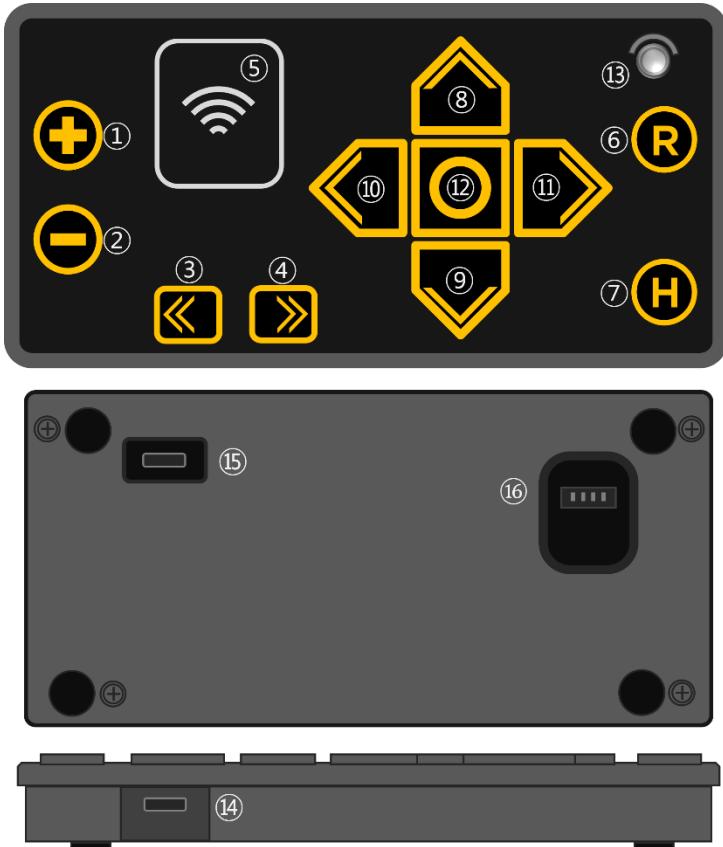
## Product Features

- USB audio device and keyboard support for use without installing separate drivers
- Set detailed functions through mobile app without installing a separate PC program
- Provides cleaner and clearer sound quality by receiving digital audio directly through mobile app
- Wireless use allows you to use the keyboard without tangling or blocking the earphone wires
- 3.5mm earphone jack provides a wide range of usage environments
- Each key can be set directly, allowing custom use for multiple OSs and programs.
- Embossed design provides better tactile feel
- Provides backlight to improve visibility for people with low vision
- Provides high-contrast design and backlight to improve visibility for people with low vision
- Built-in hearing loop linkage function through external speaker output port

# KY Key Pad User Manual

## Product Details

1. Key: Speed up sound playback \*
2. Key: Slow down sound playback
3. key: Play louder \*
4. key: Playback volume low \*
5. key: NFC tag area \*
6. key: Go to home screen \*
7. key: Play again \*
8. key: before \*
9. key: next \*
10. key: left \*
11. key: right \*
12. key: select \*
13. Connection port: ear phone jack
14. Connection port : USB-C \*\*
15. Connection port : USB-C \*\*
16. Connection port : Speaker connection port



\* Functions can be changed through mobile app

\*\* Only one of the two must be connected to the same USB port

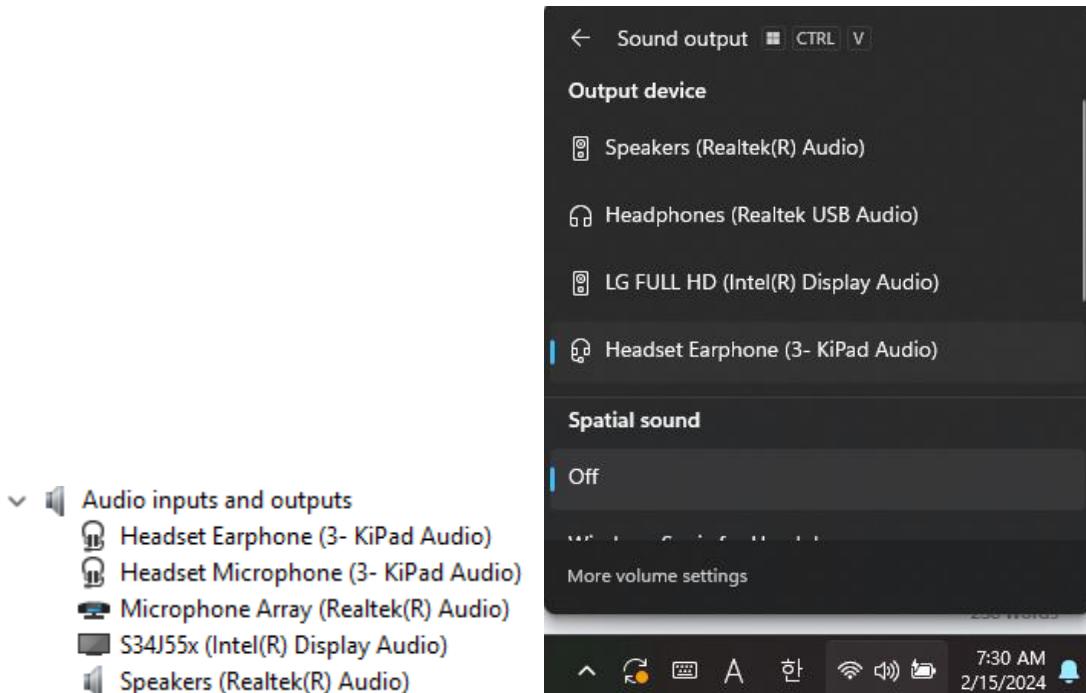
## Product Configuration

1. Product body x 1
2. USB-C Type Cable x 1
3. Speaker connection cable x 1

## Product Installation Guide

1. Connect USB port ⑯ or ⑰ in the picture above to the kiosk USB port using a USB-C type cable.
2. USB power is input, the KY Key Pad light turns on and Windows automatically installs the driver for use.
3. Once installation is complete, for Windows , through Device Manager or speaker settings at the bottom right.

You can use it by setting up the KY Key Pad .



## How to connect speakers

1. Connect the included speaker cable to port ⑯ and connect the speaker .  
(\* Only required for products with external speaker connection)
2. Check whether installation was successful by playing sound, or Through the “ Audio Operation Test ” function in Manager Mode through the sound being played You can check whether it is working or not.

# Guide to using mobile app KioskAssist

The KioskAssist app provides two modes: user mode and administrator mode.

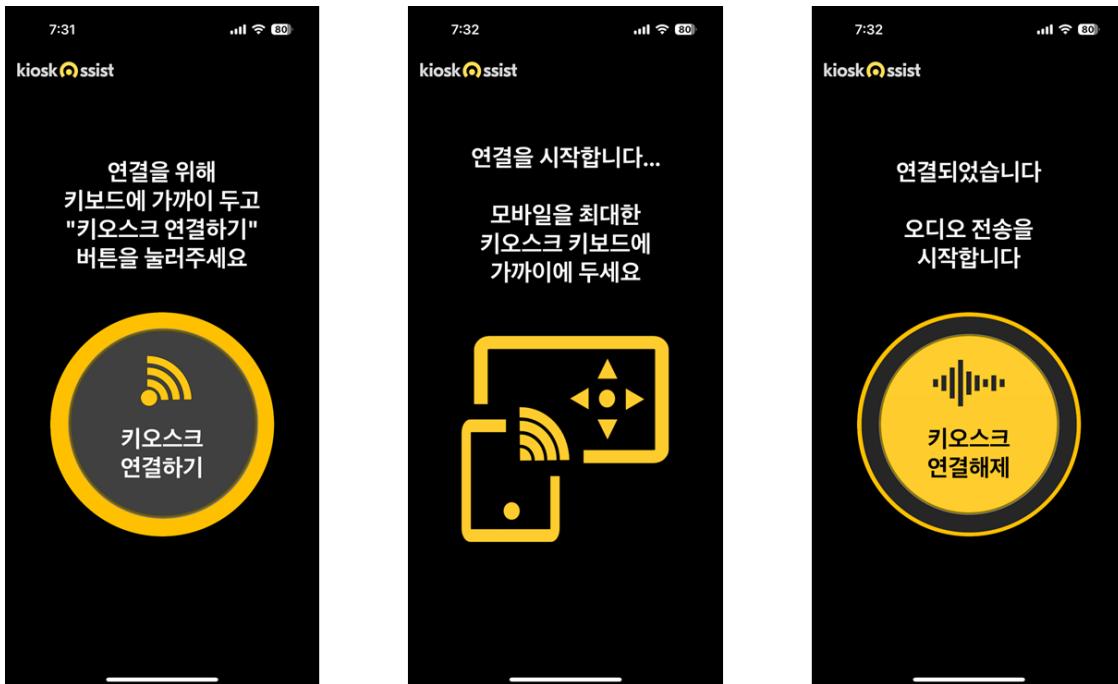
## User mode

### 1. Install the KioskAssist app

There are two ways to install: directly searching and downloading from the app market and connecting to the app market through NFC tagging.

- iOS: <HTTPS://APPS.APPLE.COM/TR/APP/KIOSKASSIST/ID6474865187>
- Android: In development

### 2. your mobile device close to **the KY Key Pad** and connect by pressing the **Connect Kiosk** button in KioskAssist as shown below, and the audio will be transmitted to the mobile device and played.



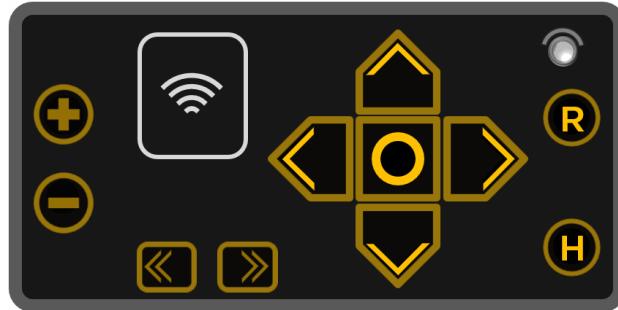
### 3. When you have completed your order and no longer need to use it, press the “Disconnect Kiosk” button to disconnect the Bluetooth connection.

## Administrator mode

Administrator mode is activated by pressing the key on the KY Key Pad. change settings, backlight, This mode is for keyboard settings, such as firmware updates. It prevents general users from switching to setting mode through a changeable combination of three buttons. Through the Bluetooth pairing function Data transmitted wirelessly is encrypted so that settings can be changed safely.

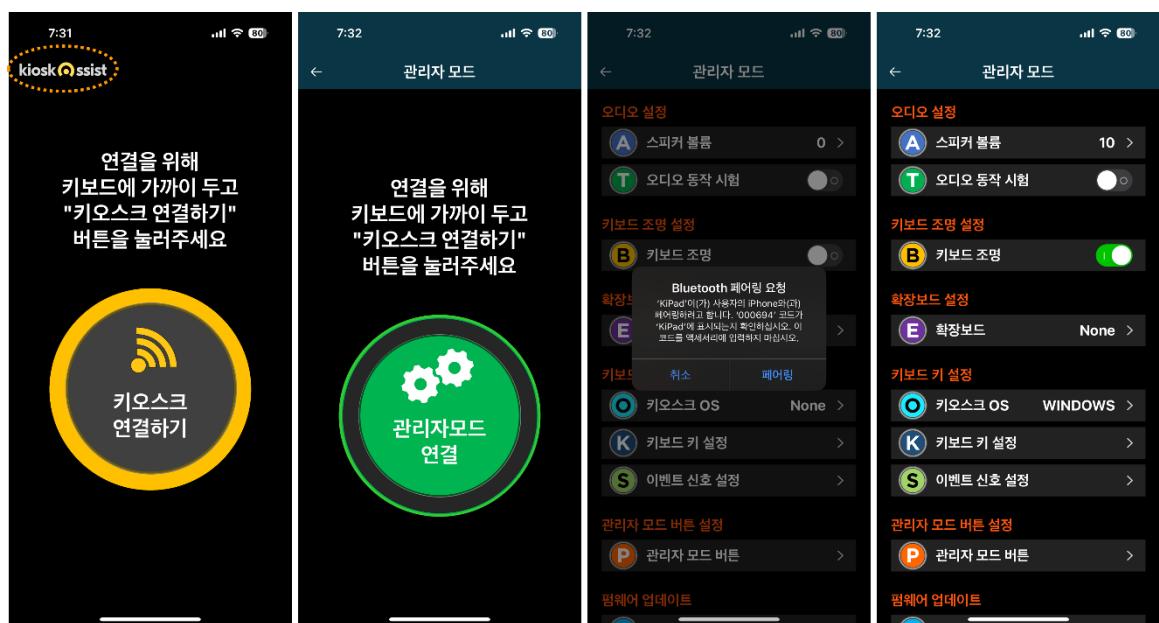
## Connect

1. To connect to administrator mode, press ⑥, ⑧, and ⑨ at the same time for about 5 seconds. The backlight will blink and you will be ready to connect in administrator mode.



2. in the upper left corner of the KisoskAssist user screen  five times in a row, it will switch to administrator mode and click “Connect to administrator mode” to connect to administrator mode.

3. Press the “Pairing” button to complete the final connection.



## Audio operation test

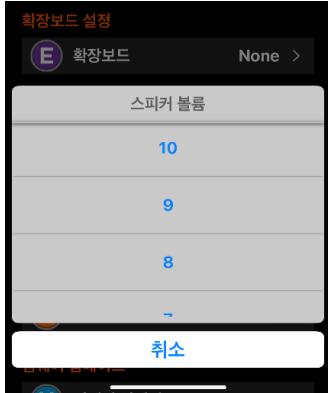
- This function checks whether the earphones or speakers are working by continuously playing 1kHz sound.

## keyboard lights

- Provides the ability to turn the backlight on and off

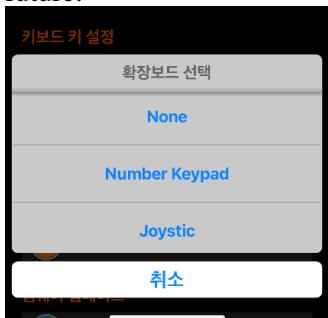
## Change speaker volume

- Select the volume for speaker output after wired earphones are disconnected or Bluetooth Audio is disconnected.
- It can be set to a total of 11 levels from 0 to 10, and when 0 is selected, it is set to silence.



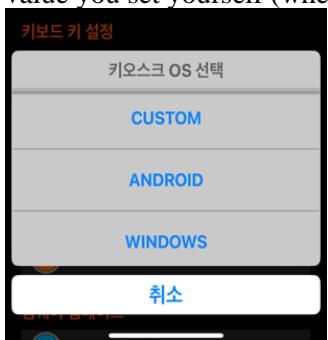
## Expansion board (not supported)

- This menu is currently unsupported as it is a setting for an expansion board that will be supported in the future.



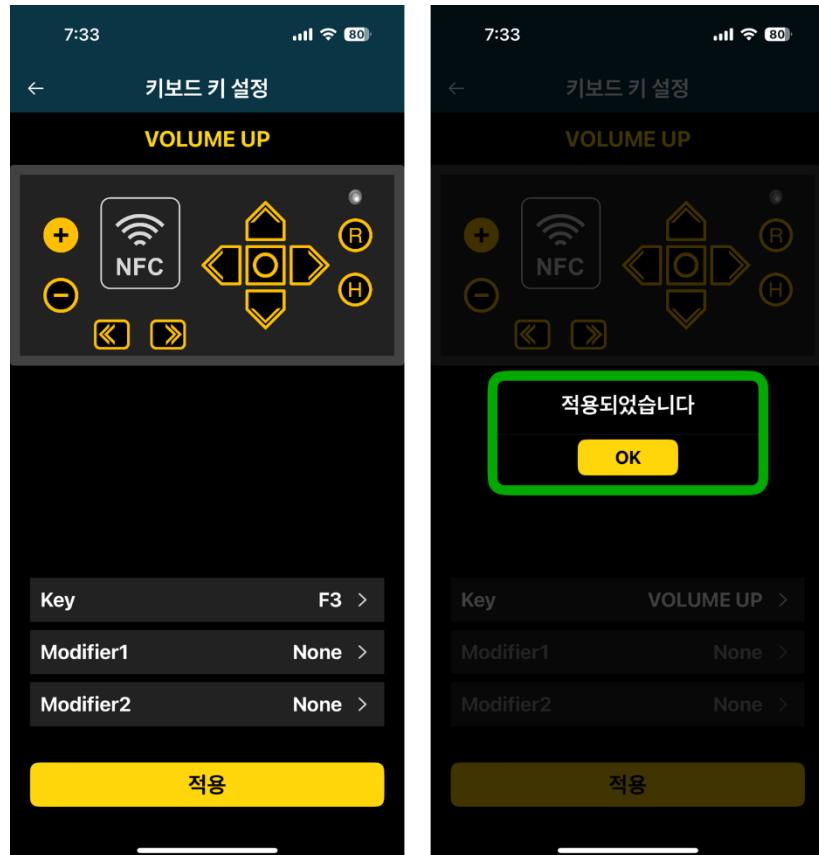
## Kiosk OS

- Supports classification by OS with the ability to select a predefined key table
- It supports presets for Windows and Android, and supports the CUSTOM item that allows you to use the value you set yourself (when the user changes the key value, it is automatically changed to CUSTOM )



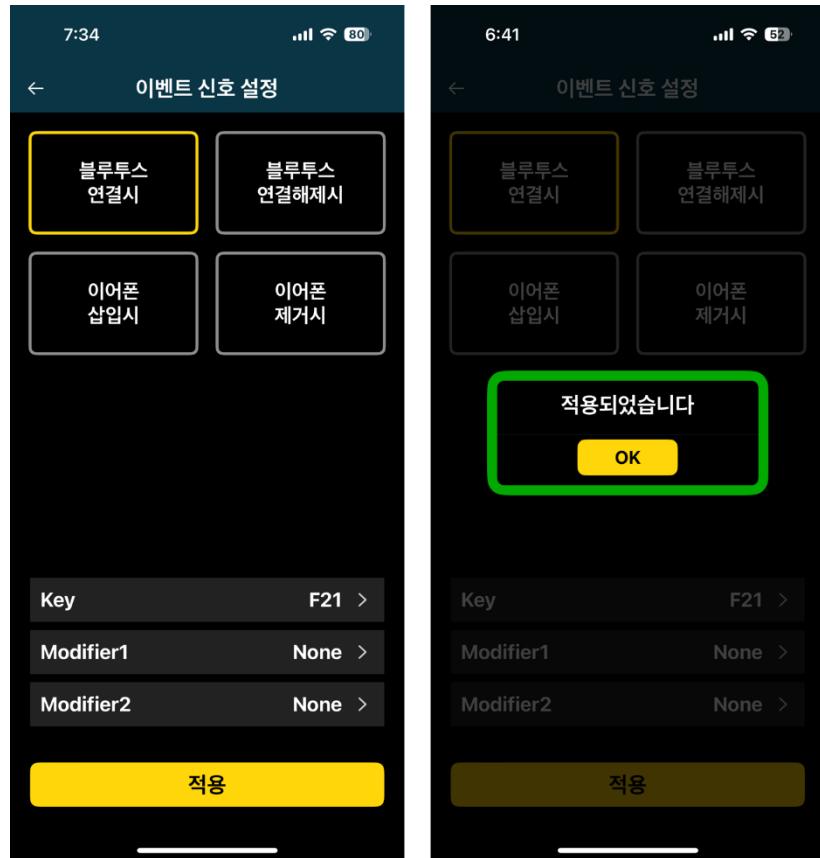
## Keyboard key settings

- 1 key to suit various kiosk systems This is the function to change the setting value.
- Supports HID standard key values and can be set to fit most kiosks . Modifier key settings such as S HIFT, CONTROL , etc. are also supported.
- Select the key you want to change, select Key and Modifier, and press **the Apply** button to set.



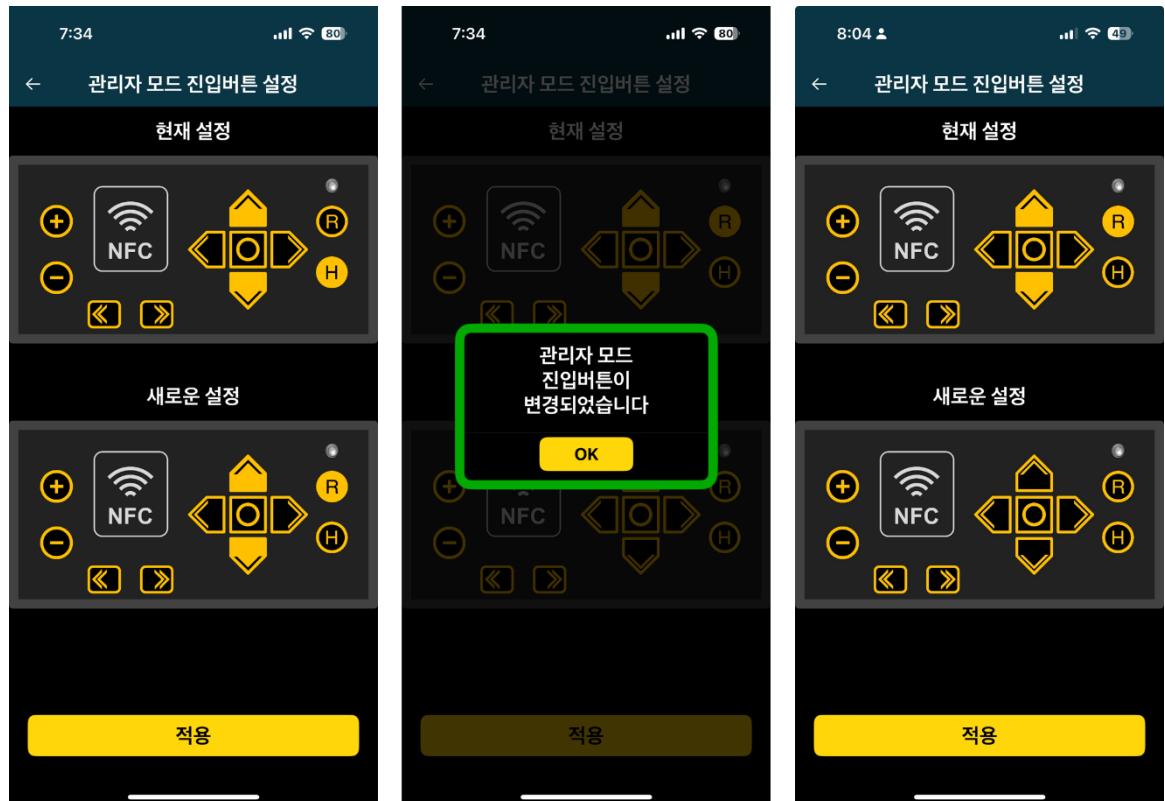
## Event signal settings

- This is a setting function for the signal value sent from the KY KeyPad to the kiosk.
- It notifies the kiosk with the HID key value about Bluetooth connection and disconnection, and earphone insertion and removal.
- Select the Key and Modifier values to be used as an event and click **the Apply button** to set them.



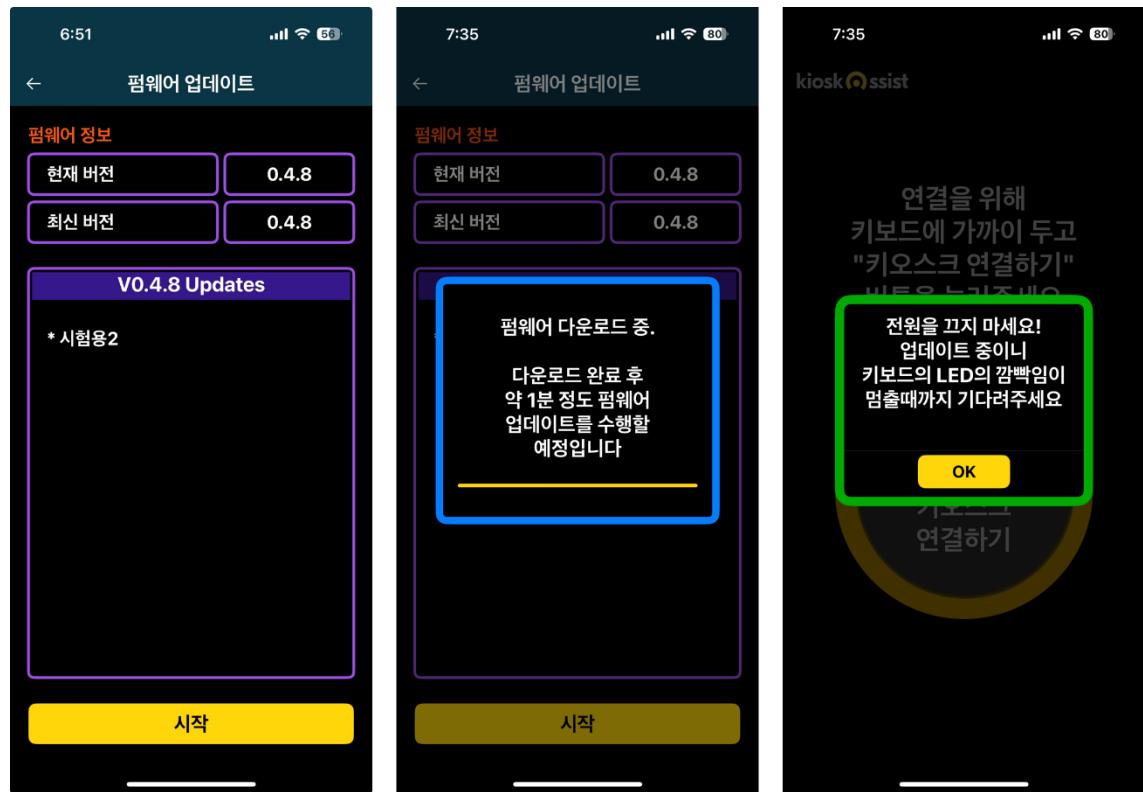
## Administrator mode entry button setting

- This is the setting for the key to press to switch to administrator mode.
- Select the three keys you want to use for the keyboard picture on **the new settings screen** and press **Apply** to set them.
- Once application is complete, the configured buttons will be displayed in **the current settings** picture.



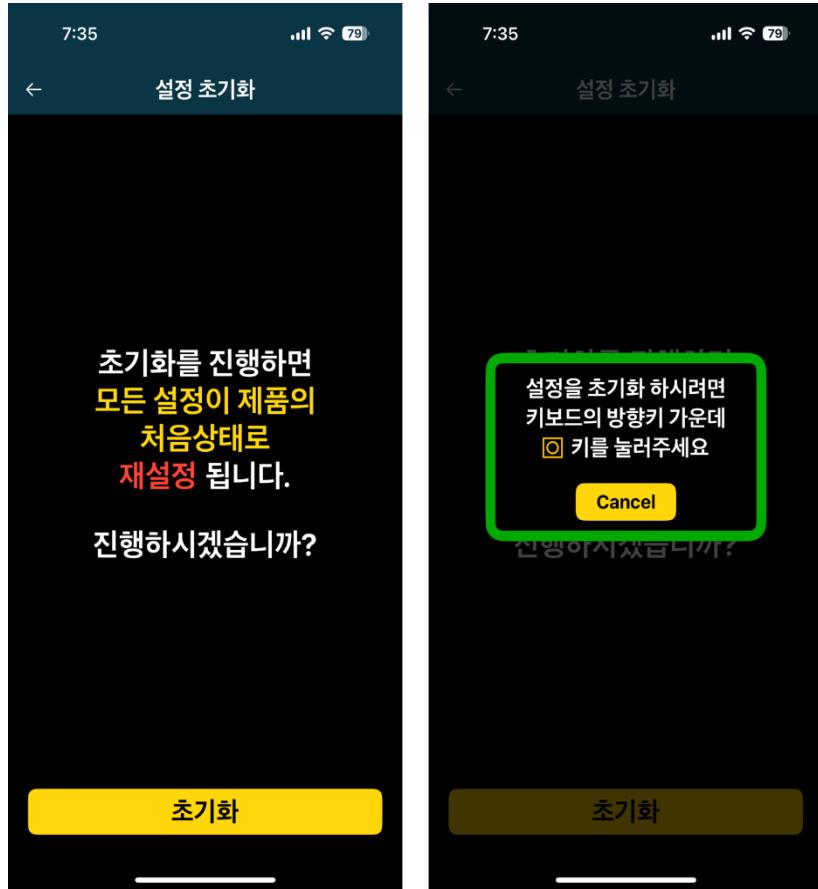
## Firmware update

- This is a firmware update function that is performed to change or add functions or correct errors in the KY Keypad.
- Compare the currently used version with the version registered on the server and update if it is the latest version.
- Once the update begins, be sure to wait **until the backlight stops blinking.**

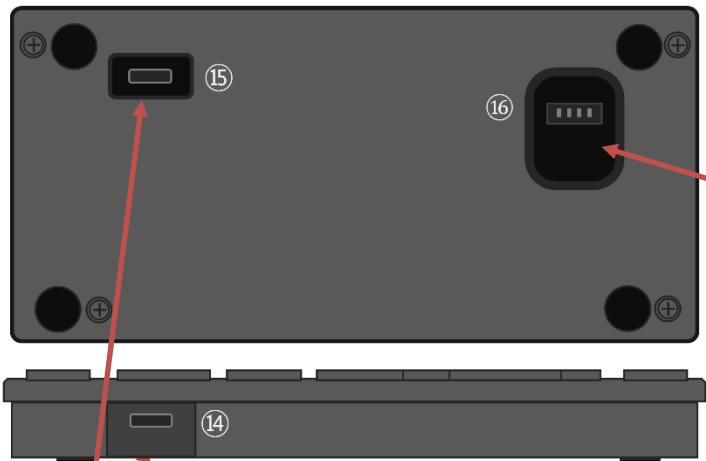
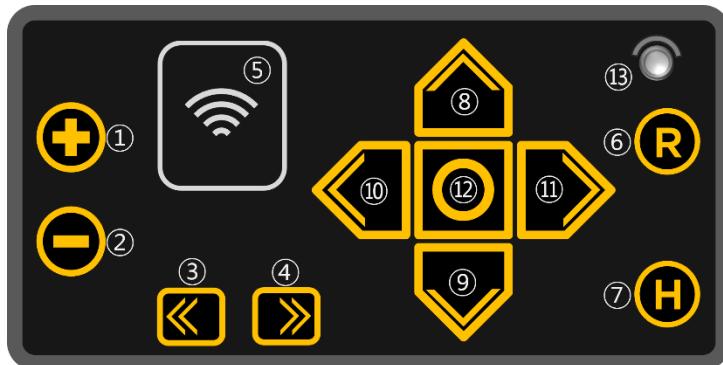


## Reset settings

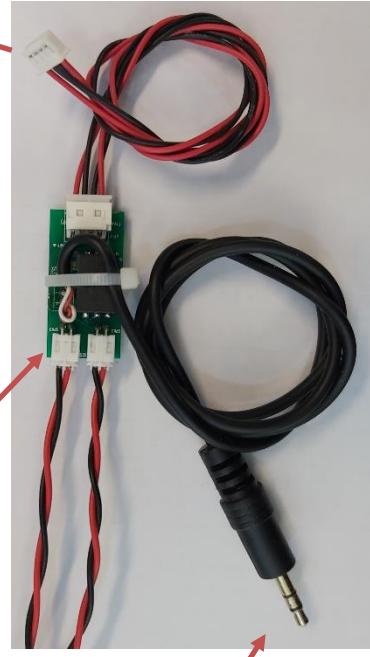
- Initializes the settings of all previously configurable functions to the values they had when first produced.
- When performing initialization, press the “Reset”  button and then Click the button to finish



## Keypad wiring specifications



1. Speaker output connector  
Insert in the correct direction



2. Kiosk speaker (L & R)  
connectors Insert in the  
correct direction

3. Insert USB-C connectors (A & B) into the kiosk USB Port  
(Data transmission and kiosk audio input)

4. Kiosk audio out (3.5mm Plug)  
Insert into Loop Amp "AUX" Jack  
(Option 4 is optional)

## Configurable key values

KEY	KEY	KEY	KEY
A	ENTER	DELETE	F21
B	ESC	END	F22
C	BACKSPACE	PAGEDOWN	F23
D	TAB	RIGHT	F24
E	SPACE	LEFT	EXECUTE
F	MINUS	DOWN	HELP
G	EQUAL	UP	MENU
H	LEFTBRACE	NUMLOCK	SELECT
I	RIGHTBRACE	KEYPAD /	STOP
J	BACKSLASH	KEYPAD *	AGAIN
K	HASH	KEYPAD -	UNDO
L	SEMICOLON	KEYPAD +	CUT
M	APOSTROPHE	KEYPAD ENTER	COPY
N	GRAVE	KEYPAD 1	PASTE
O	COMMA	KEYPAD 2	FIND
P	DOT	KEYPAD 3	MUTE
Q	SLASH	KEYPAD 4	VOLUME UP
R	CAPSLOCK	KEYPAD 5	VOLUME D.N.
S	ENTER	KEYPAD 6	
T	ESC	KEYPAD 7	
U	BACKSPACE	KEYPAD 8	
V	TAB	KEYPAD 9	
W	SPACE	KEYPAD 0	
X	MINUS	KEYPAD .	
Y	EQUAL	BACKSLASH	
Z	LEFTBRACE	APPLICATION	
1	RIGHTBRACE	POWER	
2	BACKSLASH	KEYPAD_EQUAL	
3	HASH	F13	
4	SEMICOLON	F14	
5	APOSTROPHE	F15	
6	GRAVE	F16	
7	COMMA	F17	
8	DOT	F18	
9	SLASH	F19	
0	CAPSLOCK	F20	

## Preference key value

FUNCTION	USB HID CODE				
	WINDOWS		ANDROID		
	HID	HEX	HID	HEX	
play sound speed up		F13	0x56	F13	0x56
play sound slow down		F14	0x57	F14	0x57
play sound big		F15	0x58	VOLUME UP	0xE0
play sound small		F16	0x59	VOLUME D.N.	0xE1
To the first screen movement		F17	0x5A	F15	0x58
play again		F18	0x5B	F16	0x59
before		F19	0x5C	UP	0x40
next		F20	0x5D	DOWN	0x3F
left		F21	0x5E	LEFT	0x3E
right		F22	0x5F	RIGHT	0x3D
select		F23	0x60	ENTER	0x16

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.