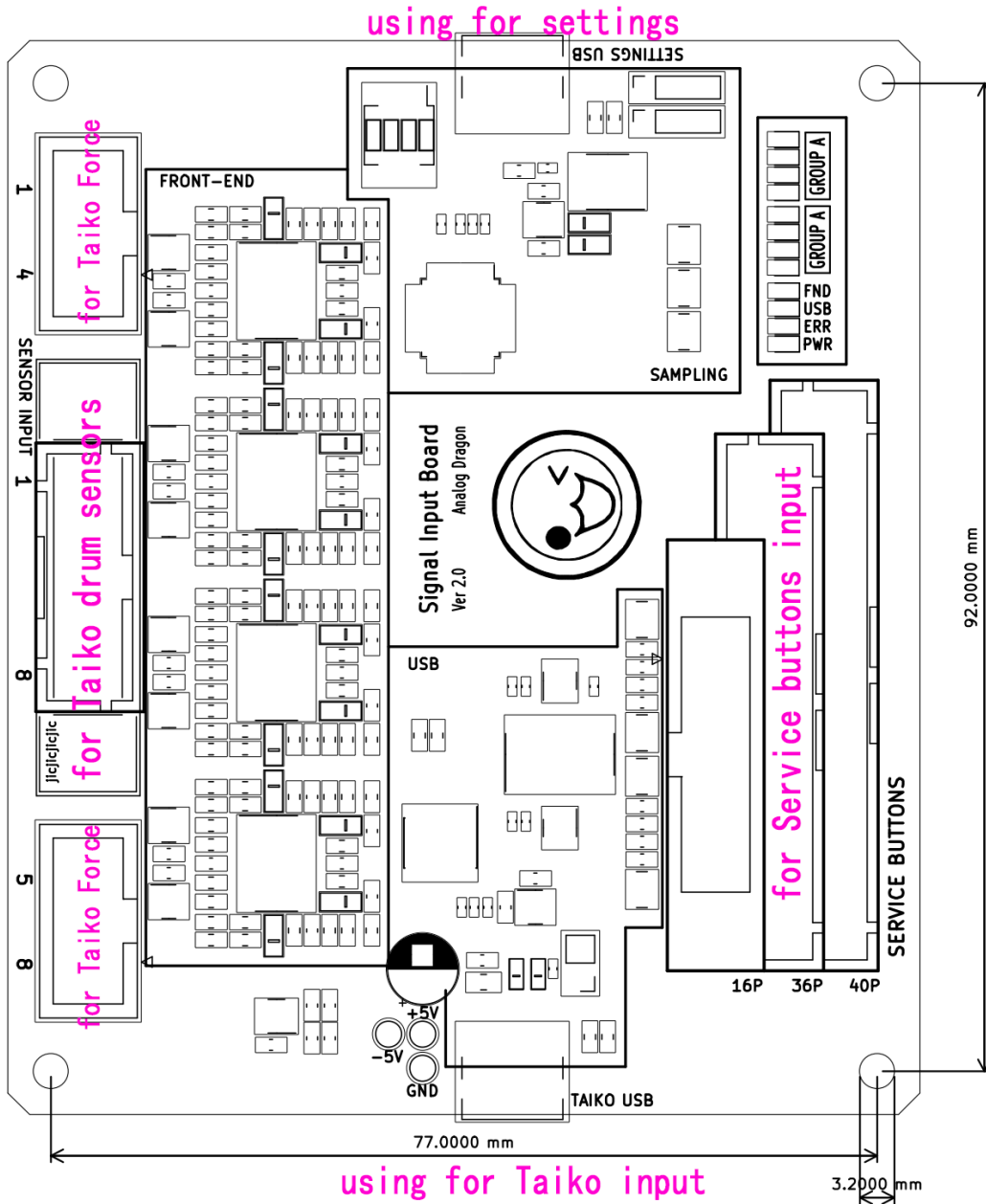


Installation Instructions

1. Installation dimensions and wiring:



Drum connection:

Connection of the drums:

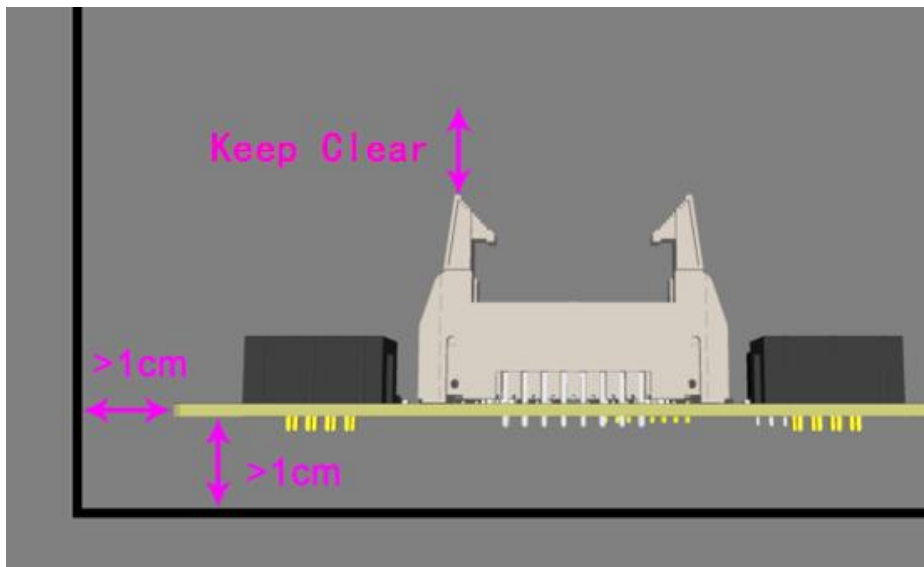
1. For Taiko Force: For personal use, you can directly plug the large drum cable into the Taiko Force port.
2. For arcade drums: Connect the drum cable, which is connected to the amplifier board, to the arcade drum interface. You can solder either an IDC-16P connector or a B16B-XADSS-N connector to ensure compatibility with different arcade.

Regardless of the type of Taiko, it is necessary to configure the input channel before using it.

Connection of the service panel:

1. For personal use: Usually, there is no need to install this interface. If you require a control panel, you will need to specifically prepare a button board.
2. For arcade use: For 12th, you need to solder a 36P connector (B36B-XADSS-N); for Newer, you need to solder a 40P connector (B40B-XADSS-N). If you are using a DIY adapter cable, solder a 16P IDC connector. After connecting the connector, you need to set the button mapping in the program to ensure that numbers 1 to 8 are mapped to the correct functions.

2. Installation precautions



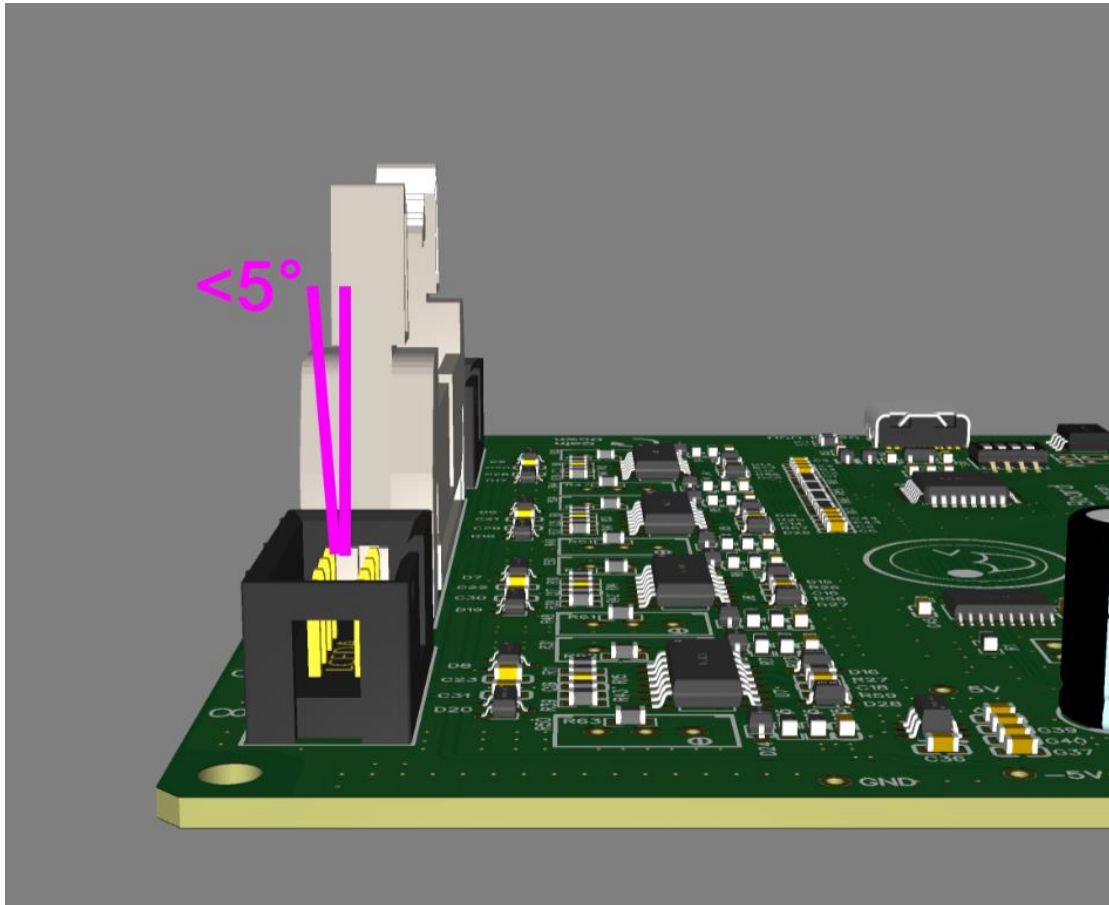
Pay attention to the direction of the wiring and ensure sufficient clearance, following the requirements shown in the diagram as much as possible.

When installing, do not touch the components on the board with your hands or tools.

If there are no installation conditions available, you can use a cardboard box for protection. (Use an appropriately sized box, create a hole at the corresponding outlet position, extend the cables out, and close the box cover.)

A certain temperature increase during operation is normal, but do not touch it with your hands.

3. Precautions for the Taiko Force interface



This interface is not a firm one, so strict attention should be paid to cable stress after installation.

After the cable is installed, it needs to be prevented from shaking. The shaking angle should not exceed $\pm 5^\circ$. Prolonged shaking will reduce the interface's lifespan. The direction of the outlet should not be too skewed to reduce the force the cable exerts on the IO board.

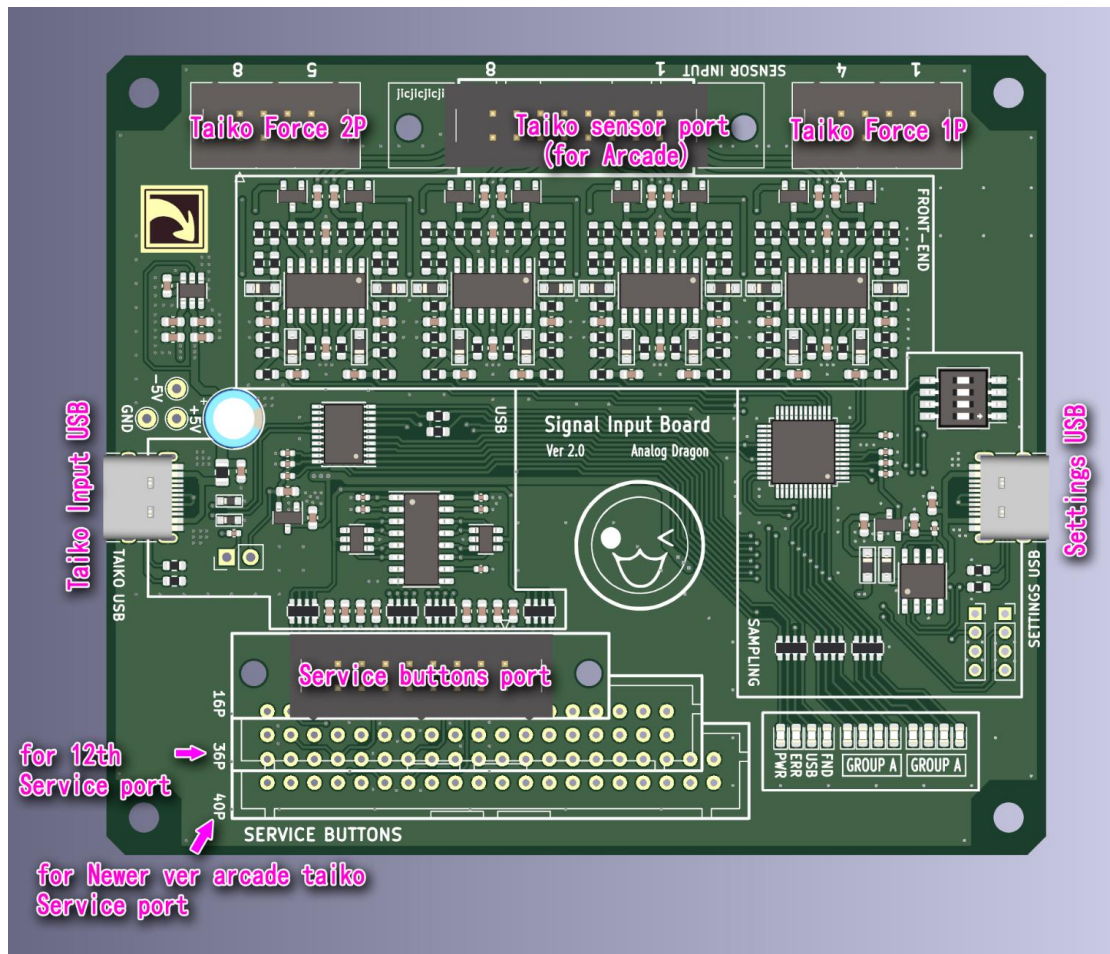
You can use a Taiko Force adapter board to alleviate the stress on the cable.

User Manual

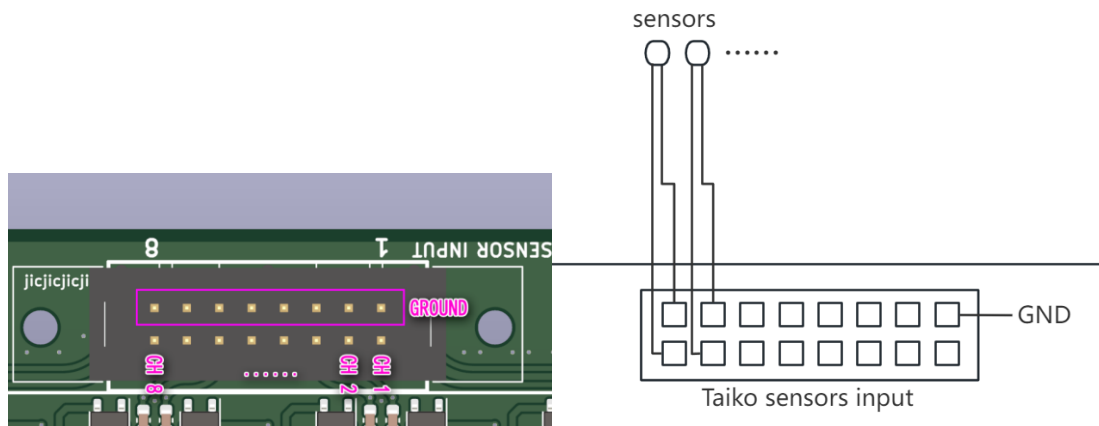
User Manual

When connected to a computer, the device will be recognized as an HID Keyboard and can be used for keyboard simulation input.

Drum input is mapped to the keys: DFJK-ZXCV. And the service buttons are mapped to the number 1 to 8 on the keyboard.

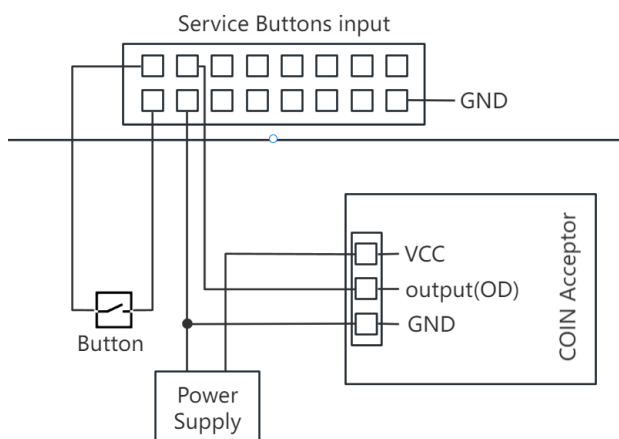
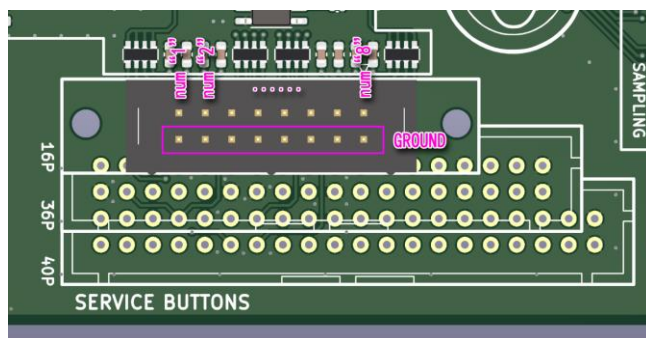


1. Connect to sensor (Taiko)



The sensor interface is used to connect the Taiko. The ground terminal should be connected to the shield layer or negative terminal of each sensor. CH1~CH8 should be connected to the sensor outputs or positive terminals.

2. Connect to Service Buttons



Service buttons means "coin", "test", "service", "up" and "down" buttons in arcade.

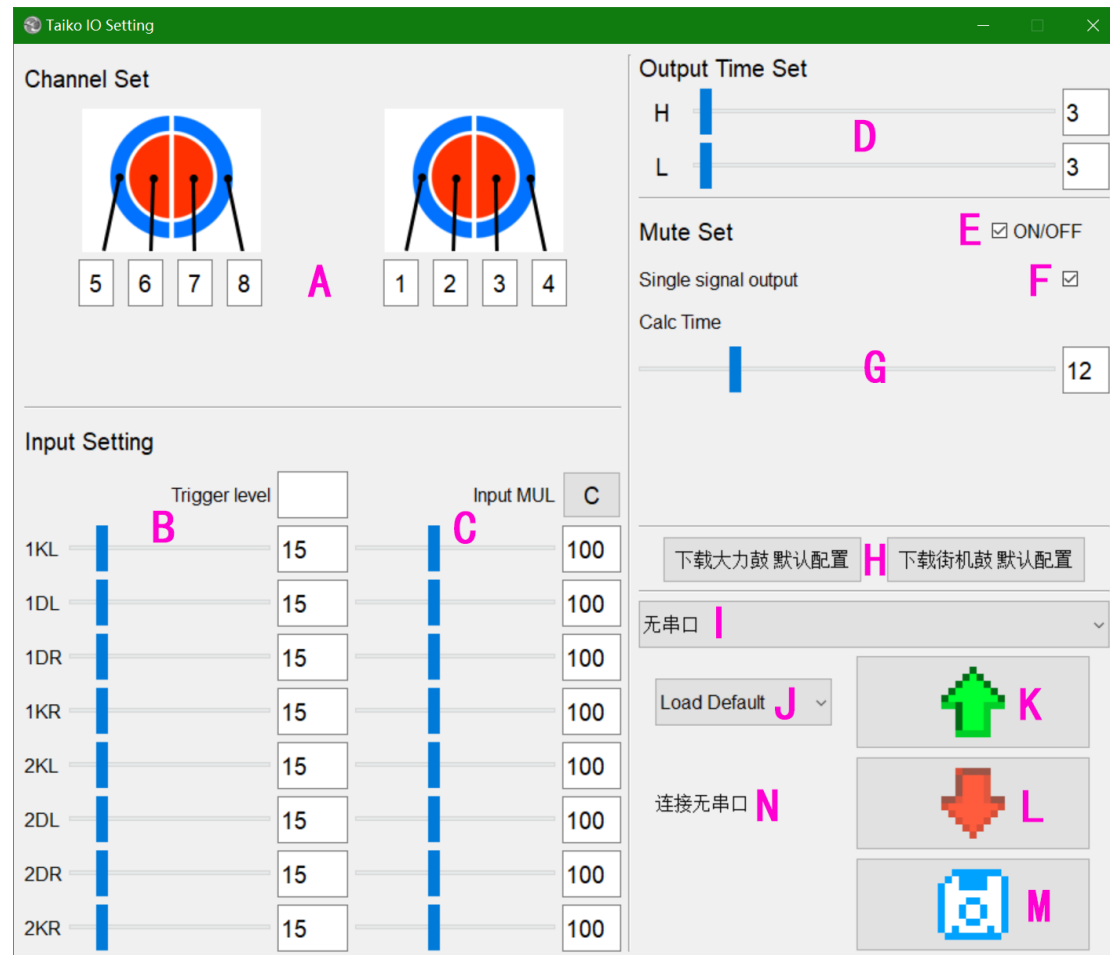
3. Connecting to your computer:

Prepare a USB-A to USB-C cable and connect it to your computer.

Once connected, the FND led will flash, the POW and USB led will keep bright.

Settings

1. Software Interface



- A-Taiko sensor channel sequence configuration
- B-Input configuration-Trigger threshold (triggering is done in hardware, no obvious effect in software configuration)
- C-Input configuration-Multiplication factor (configure this when a certain sensor is exceptionally sensitive or insensitive, C for reset)
- D-Output time configuration, H for hold time when pressing, L for hold time when releasing, no response to other inputs during hold time
- E-Shielding configuration (used to calculate crosstalk caused by the physical structure of the taiko)
- F-Shielding configuration-Single response (selecting this will trigger only one sensor each time)
- G-Shielding configuration-Calculate rounds (set to 0 to disable calculation, directly trigger according to the fastest speed)
- H-Some default parameters (for Taiko Force and arcade taiko)
- I-Serial port selection

- J-Select the parameter group on the upload board
- K-Upload parameter button
- L-Download parameter button (this step does not store data, data will be lost when the microcontroller is reset)
- M-Save parameter button
- N-Software status

2. Configuration Process

- 1 Select the serial port, click upload, and the status will be displayed as `Success` (used to determine if the connection is successful)
- 2 Reset the preset parameters according to your needs or upload old parameters
 - For modifications based on the old parameters, select `Load Saved`, and then press the upload parameter button
 - For modifications based on the default configuration, click the desired default configuration button (the two default configurations only differ in taiko mapping)
- 3 After making modifications, click the download parameter button and confirm if the parameters are reasonable on the taiko
- 4 Click the save parameter button

3. Other Instructions

- When using single taiko hardware, the parameters for the second taiko are meaningless
- Default configurations may have issues; you can make fine adjustments based on the default parameters to suit your taiko
- The sensor wire sequence of the taiko can be remapped through this APP.
- Most of the IO parameters are already determined, It is recommended to first apply the default configuration before proceeding with the sensor input remapping. And then, you only need to configure the remapping of the sensor inputs.

