**User operation guideline**

1. Device interface

* Activate

Before you can do any operation, you should first click the activate button to activate the whole interface. Once the interface is activated, device status will be shown in the device interface, such as battery, charging, etc. If the interface isn’t activated, all the other buttons can’t be used.

* Deactivate

When you don’t need to use the interface, just click the deactivate button to deactivate the interface. When you need to use it again, click the activate button first.

* Set email

Click this button, then you can input your email address and submit it. This button is used to bind the device and an email address. Once the email is binded, you can see the current email.

* Unbind email

Click this button to unbind the current email.

* Reset

Attention!! This operation will delete everything of the current device from the cloud. Please use this function carefully.

1. Algorithm interface

* Algorithm selection

Most of the operations in this interface are based on a specified algorithm, so please choose one algorithm first. Some algorithms have coresponding introduction for a better understanding.

* Train (Cloud side)

Click this button to train the device model of a specific algorithm with calbration data uploaded. If the previous training is not finished yet, it will be terminated first before new training starts. If the calibration data haven’t been collected or uploaded, the training can’t be performed. Click this button and the interface will first send a request to the server to check if the calibration data is available.

* Download Base (Cloud side)

This button is used to download a base model of the selected algorithm from the server.

* Reset to base (Cloud side)

Click this button and the model of the selected algorithm on the cloud will be reset to the base model, which means all previously trained models will be overwritten. Use this button to recover a algorithm on the cloud if it is not satisfying.

* Delete All (Cloud side)

This button is used to delete models of all the algorithms from the cloud.

* Synchronize (Device side)

This button is used to synchronize the local model of the selected algorithm with the cloud model. Firstly the latest model on the cloud will be downloaded and then this model will be uploaded to the local device.

* Download algo (Device side)

Click this button to download the current model the current algorithm from the device. This function is mainly used for debugging.

* Delete algo (Device side)

This button is used to delete local model from device. Note that the device has at most one model (a certain algorithm).

1. Calibrate interface

* Start

Click start button to start calibrating. There will be guideline information for users about how to act. Note that the calibrating process is a series motions and should be done at one go. Once the calibration data is collected, it will be uploaded to the cloud automatically.

* Interrupt

When you have something else to do during the calibration and you can’t finish it at one go, you can click interrupt button to stop the calibration. And you need to restart the process in the next time.

* Clear cloud calibration data

Click this button and the calibration data uploaded to the cloud will be deleted. If the calibraion process has something wrong and the data is uploaded, use this button to clear it.

**Admin operation guideline**

For adminstrator, he/she can do everything that users can do. And he/she has access to more functions to manage the system.

Only the special functions of adminstrator are listed below. User functions are not repeated below.

1. Device interface

* Change current uuid

Adminstrator can use uuid to manage different devices. Uuid is a unique identification of different devices and can be passed as a parameter to operate different devices. Adminstrator can change the uuid and operate other devices. Adminstrator can change the uuid in device, algorithm and calibrate interface page.

1. Algorithm interface

* Upload Base (Cloud side)

Adminstrator can use this button to choose a local model file, then upload it to the cloud and set it to be the base model of the selected algorithm without calibration.

* Upload algo (device side)

Adminstrator can use this button to choose a local model file and set it to be the device model of the selected algorithm.

1. Calibrate interface

* Download calibration data

Adminstrator can use this button to download calibration data from cloud to the local side.

* Upload calibration data

Adminstrator can use this button to choose a local calibration data file and upload it to the cloud without collecting calibration data.