Mobile Phone Smart_shell Manual

Shenzhen Meihemei Technology Co ., Ltd.

contents

Chapter 1: Product Composition

The smart shell display is composed of basic protective shell, optical conversion, CPU control, data memory, underlying control software, mobile app software, LED display processing dot matrix, Bluetooth communication, voltage measurement, charging and discharging control circuit, battery temperature detection, sound acquisition, rechargeable battery, and other components.

1.1 Physical assembly

Various hardware, software, CPU control, data memory, Bluetooth communication, voltage measurement, display components, batteries, etc. are packaged on the largest surface of the intelligent housing, with optical processing and protective components on the surface. When not lit, they are basically the same as ordinary phone protective cases. When lit, text, patterns, animations, videos, mini stage spotlights, etc. composed of various colors of light points can be seen.

Front view of smart case

Smart case back view

Insert the phone into the smart shell

1.2 Smart case operation

key operation

As shown in the red box in the figure, pressing the key once will display the animation. Pressing the key again will bring out the other content in sequence, and so on.

Close operation

If the button is pressed for more than 2 seconds, the entire display will turn off and enter standby mode.

Charging Operation

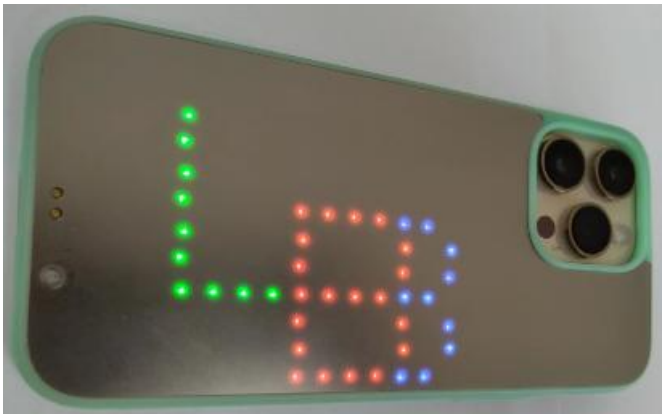
Insert one end of the magnetic charging cable into the phone charging adapter as shown in the figure, and place the other end on two circular notches to charge. The charging indicator light will light up, as shown in the figure. After a period of time, the indicator light goes out and the charging is completed.

Note 1: If the battery is not fully charged, connect the magnetic charging cable to charge for 1-2 seconds, and the smart case will automatically display. Press and hold the button to turn off the display, which will shorten the charging time.

Note 2: When connecting the magnetic charging wire to the smart case for charging, if the temperature of the battery inside the smart case is too high, exceeding 45 ° C, the charging indicator light will go out and the charging will stop to ensure the safety of battery charging.

Boot screen

The screen when powered on or after the battery is completely discharged and charged, the first screen is our company's trademark animation screen, which runs continuously and only switches to other screens after pressing the button.



Picture of supplementary light

When the smart case is in the startup screen, pressing the button once enters the supplementary light screen, which is used to illuminate objects in dark environments for adjusting the phone's position and focus.

Flashlight screen

When the smart shell is in the startup screen, pressing the button twice will enter the flashlight screen, which is used to illuminate the road ahead of the phone in a dark environment without affecting the screen of your phone.

Other screens

Continuing to press the button, you will find that in addition to the screens mentioned above, there are also other screens that can be edited, added, deleted, and modified through the mobile app. Please refer to the following instructions for specific operations.

Chapter 2: Index Parameters

Overall dimensions: Increase according to the overall size of the phone 3mm×3mm×3mm

Weight: 63 克

Resolution: 12×24dot

Bluetooth version: 4.2

data memory: 8M

Brightness adjustment: 0-9

Default brightness: 3

Battery capacity: 700mah

Charging Voltage: 5V

When the temperature of the charging pool exceeds 45 ℃, stop charging.

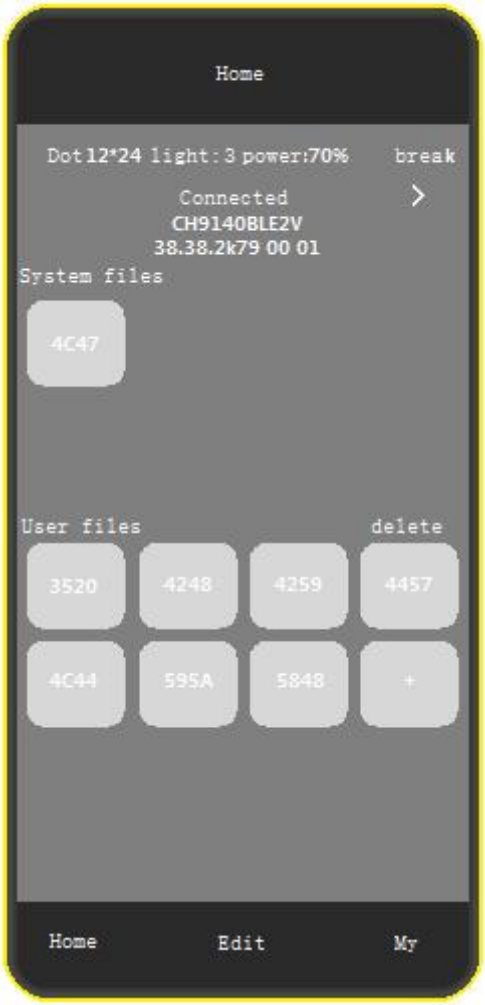
Chapter 3: Editing Operations

The content displayed on the smart case can be edited, modified, bound to communication, business operations, and controlled by installing an APP software on the phone. The software name is LBB, which is divided into Android and Apple mobile phone systems to introduce.

3.1 Android System Operation

* The environment on the phone is equipped with Android 5.0 and above systems。
* The phone comes with a Bluetooth interface。
* Fully charged smart shell
* Click on the LBB icon on your phone

After starting LBB, the following interface appears when the phone is connected to the smart case normally

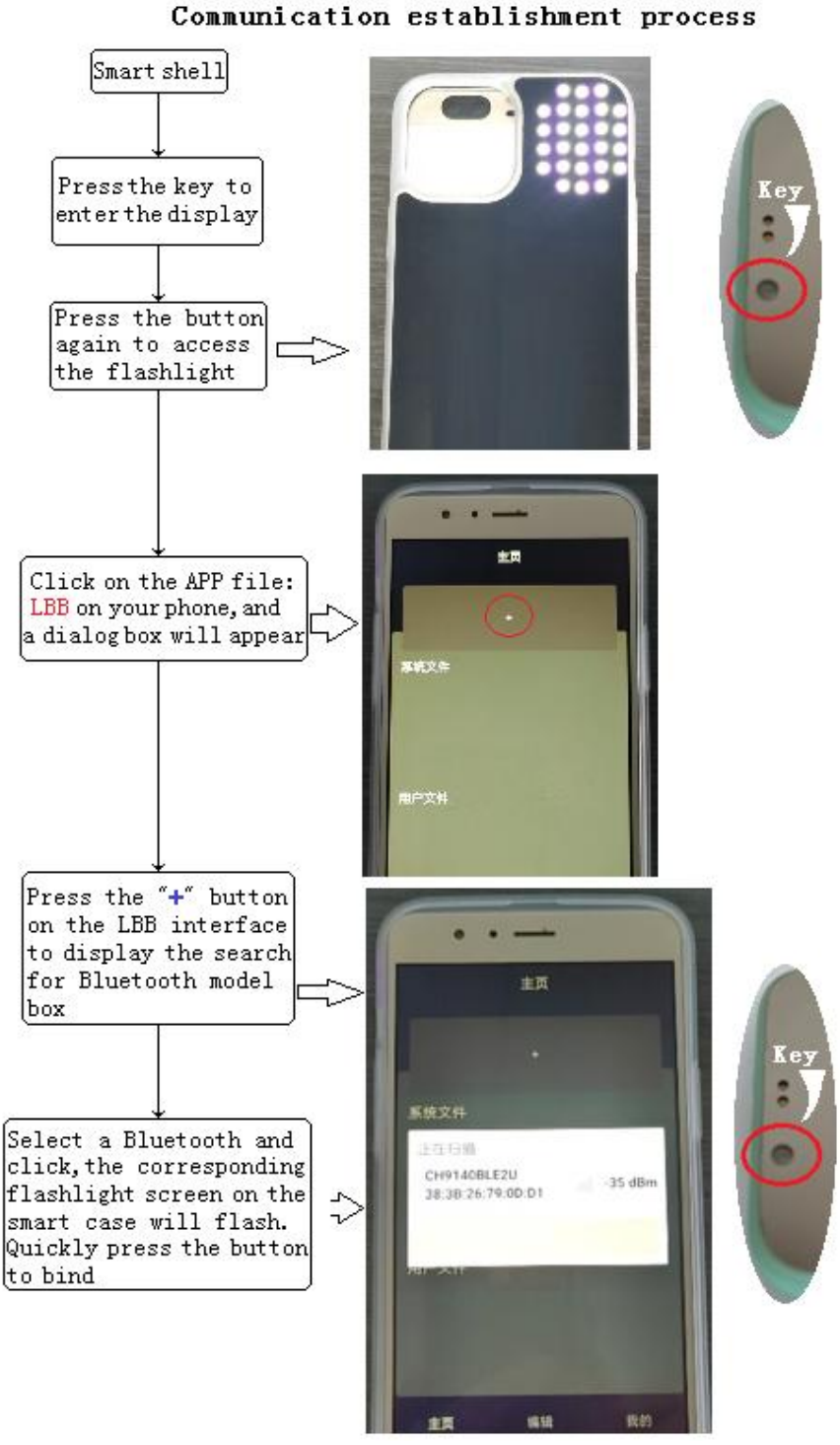


The light colored box and bottom menu on this screen are both buttons that can be operated!

The following is a detailed introduction to the communication establishment process!

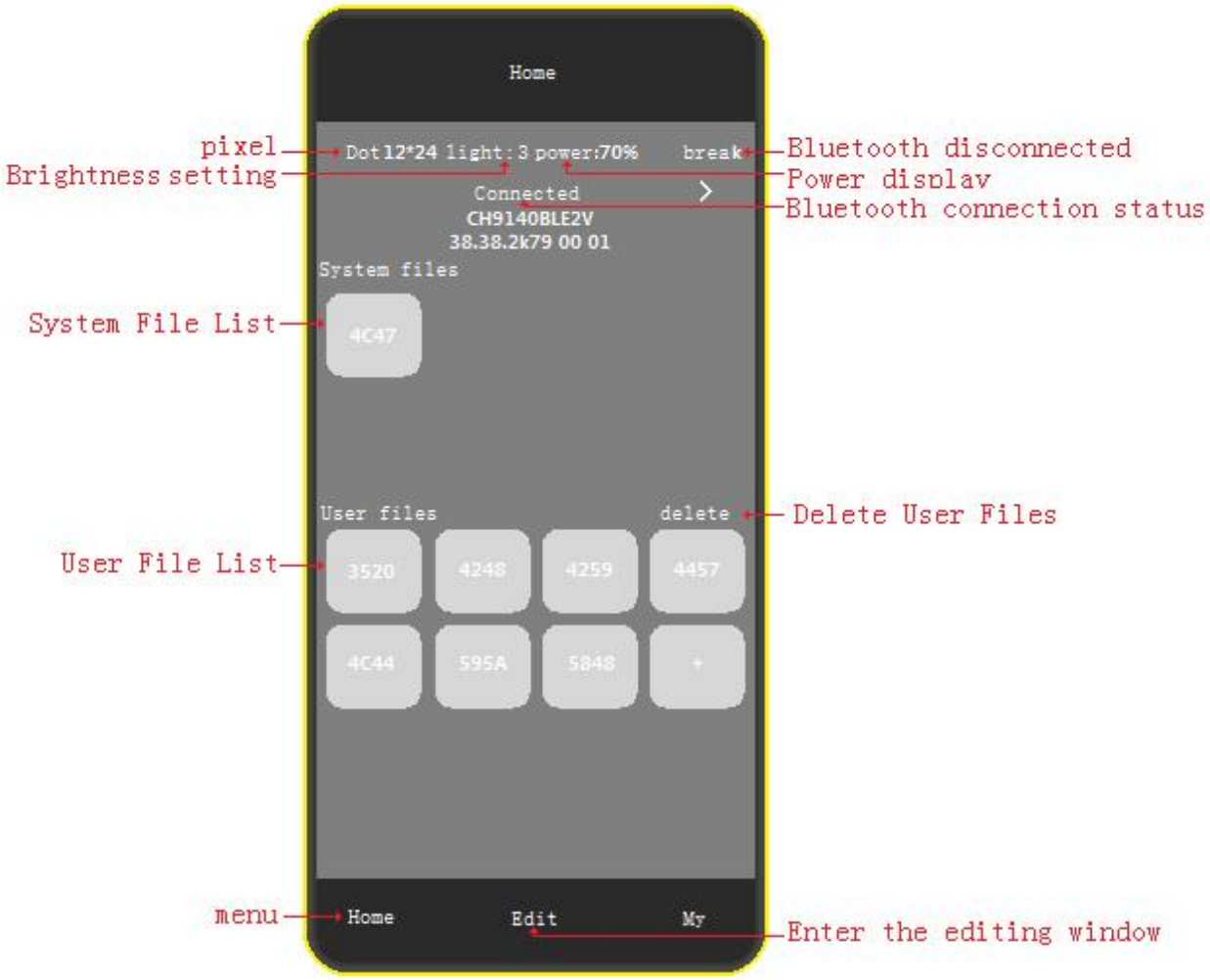
3.1.1 Communication establishment

The smart shell establishes communication with the phone through Bluetooth. In order to prevent any impact on other smart shells, the smart shell needs to be bound to the corresponding phone to establish one-on-one communication. Once bound, communication can be directly connected in the future. The specific operation and diagram are as follows:



If it is already bound to the phone, you can directly open the app on the phone: LBB Displayed on the smart shell app:

* Screen pixel count
* brightness
* quantity of electricity
* Bluetooth connection status
* System File Name List
* User File List
*+ Add Files
*> Device Information
* Edit or pattern entry
*"My" Entrance
* Delete all user files
* Disconnect Bluetooth communication



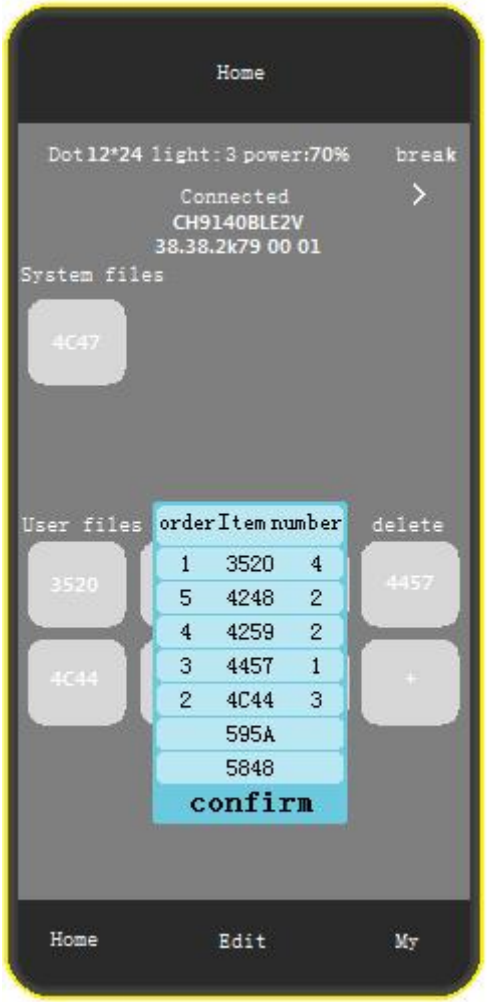
3.1.2 Display operation

3.1.2.1 Calling Display Files

Various display documents can be called on the smartphone smart case app, as follows:

3.1.2.2 Combination display

The user files can be played in any order and the number of times played can be set, and the user files can be combined for playback, as shown in the following figure:

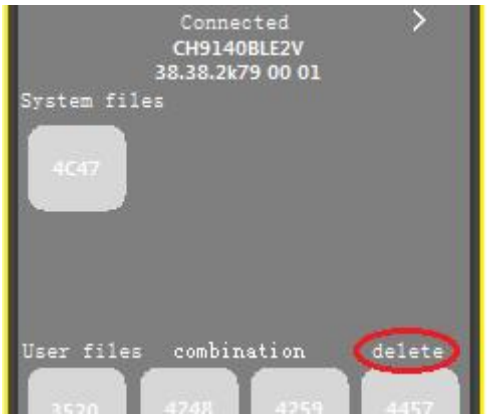


Press the "Combination" button to open a dialog box, where you can list the existing programs on the dialog box; Enter the sequence number yourself, otherwise it defaults to 0 and the program will not be played; The number of times indicates how many times the program is played repeatedly, and if there is no input, it defaults to 1 time. Press the "Confirm" button to send instructions to start playback.

Press the above settings on the APP to play, and press the button to end the playback and return to the previous state

3.1.2.3 Deleting Files

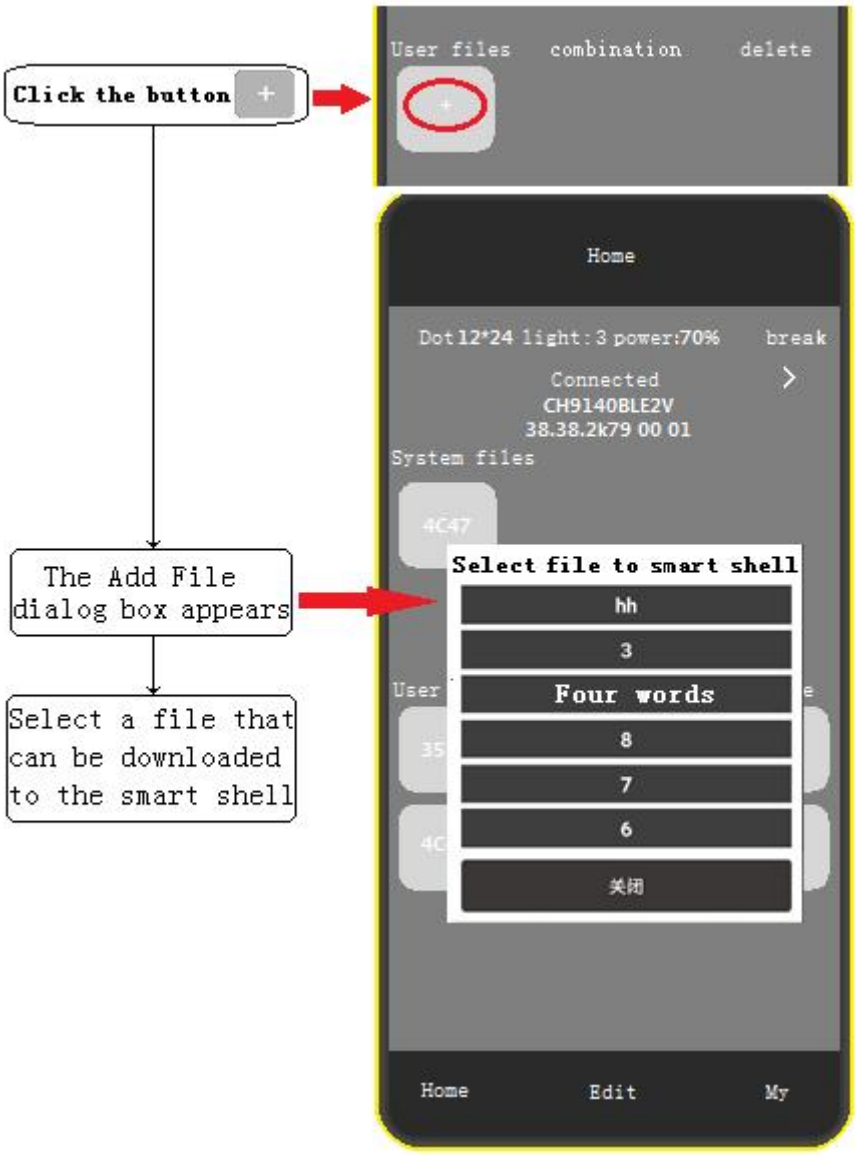
There is a "delete" key in the user file line, which can be pressed to delete all user files



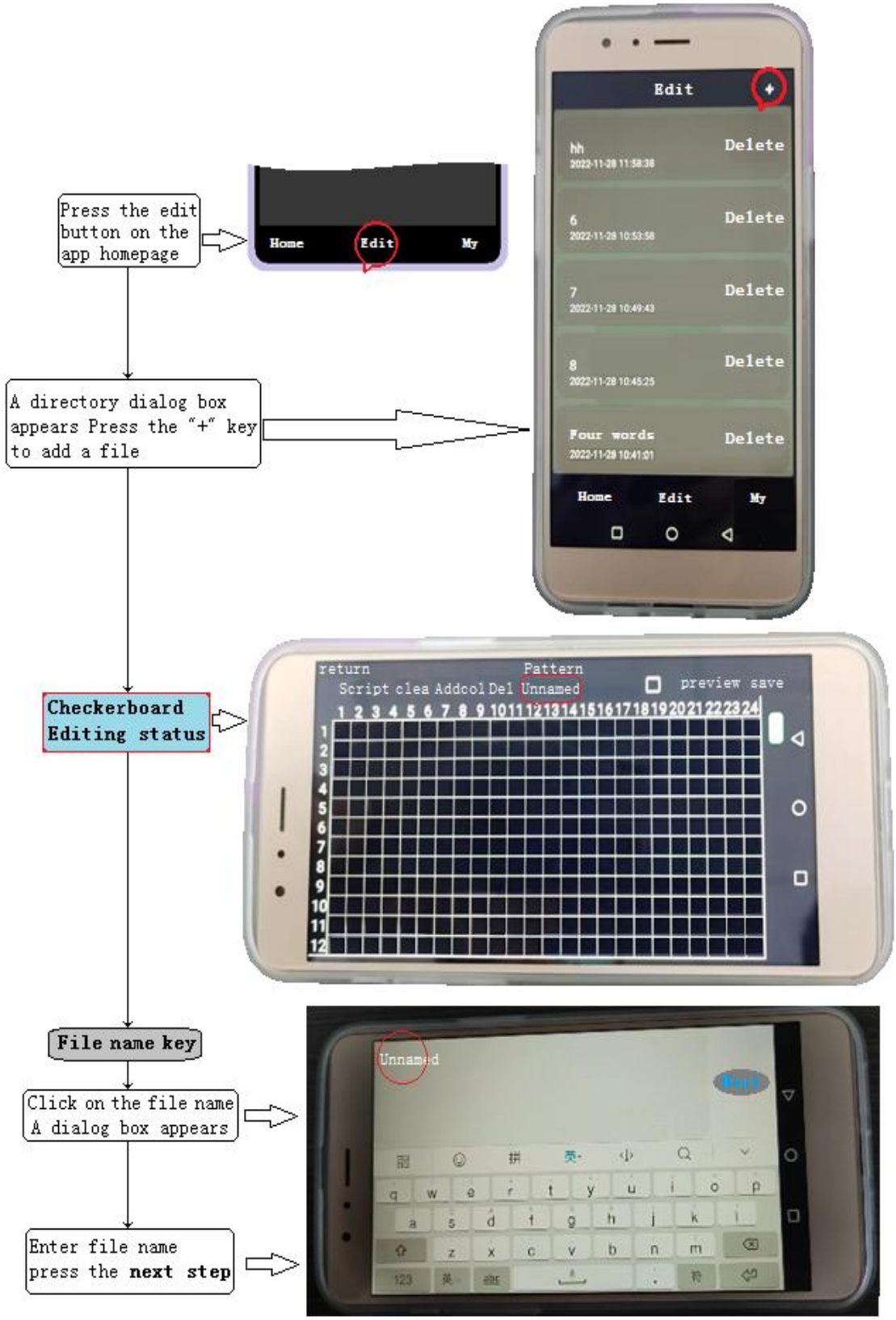
The operation result is shown in the following figure, and all the user area files are missing.

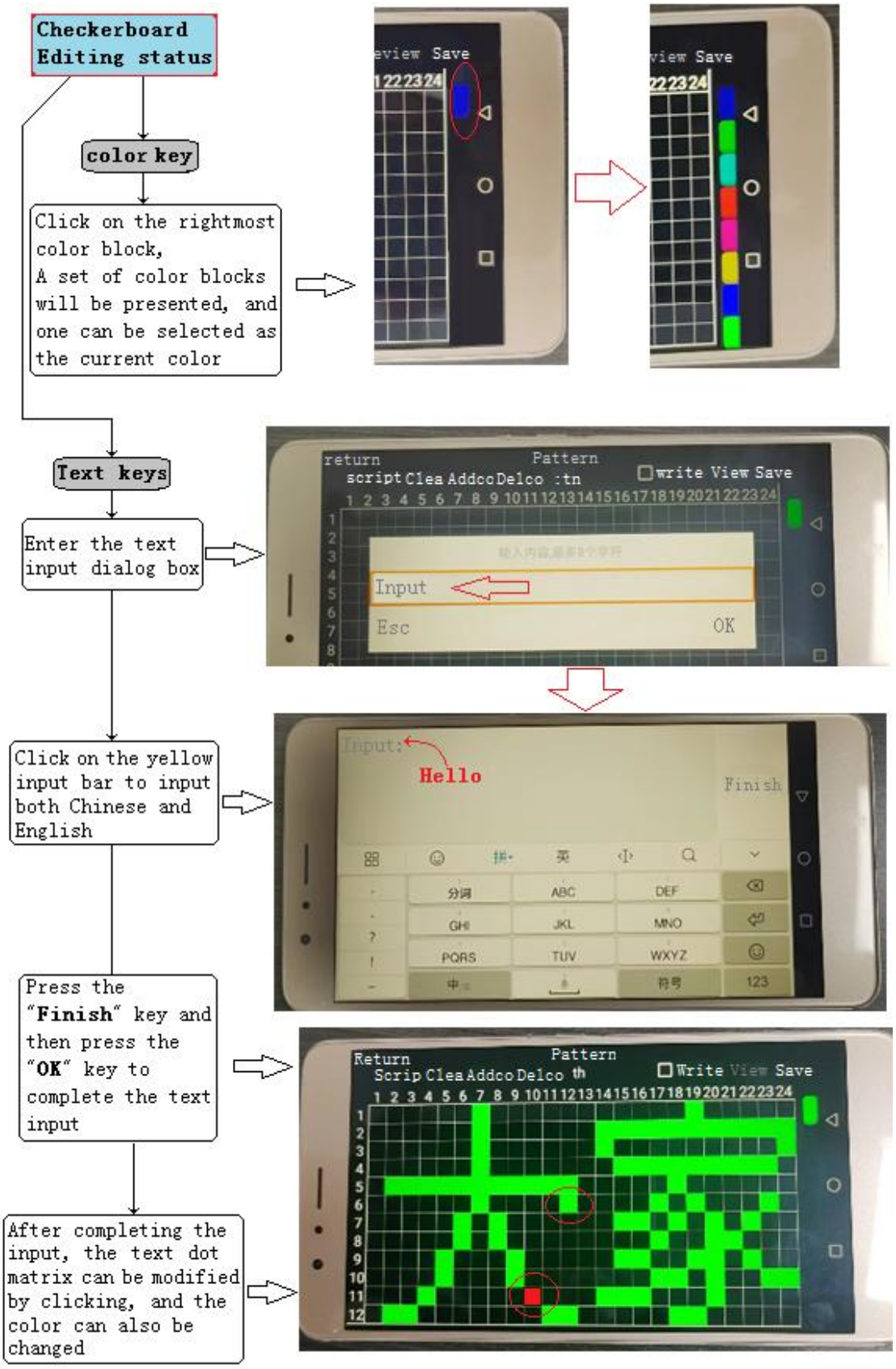
3.1.2.4 Adding Documents

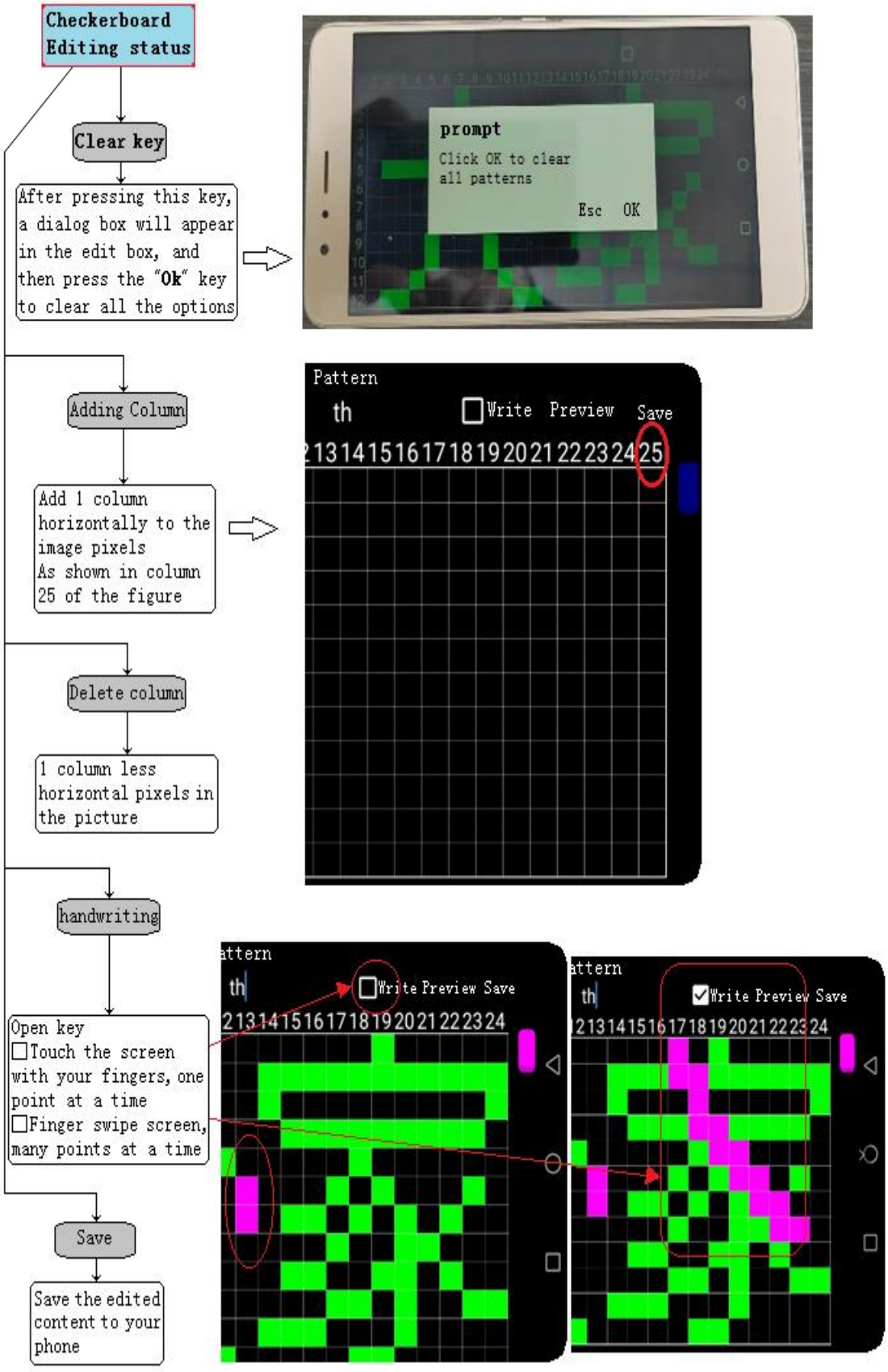
As shown in the above figure, if the user area file is missing, it indicates that the smart shell is empty and there are no files. You need to download the files from your phone to the smart shell so that the smart shell can play freely (if there are no files on your phone, you need to go to section 3.1.3, Editing Operations to learn more).

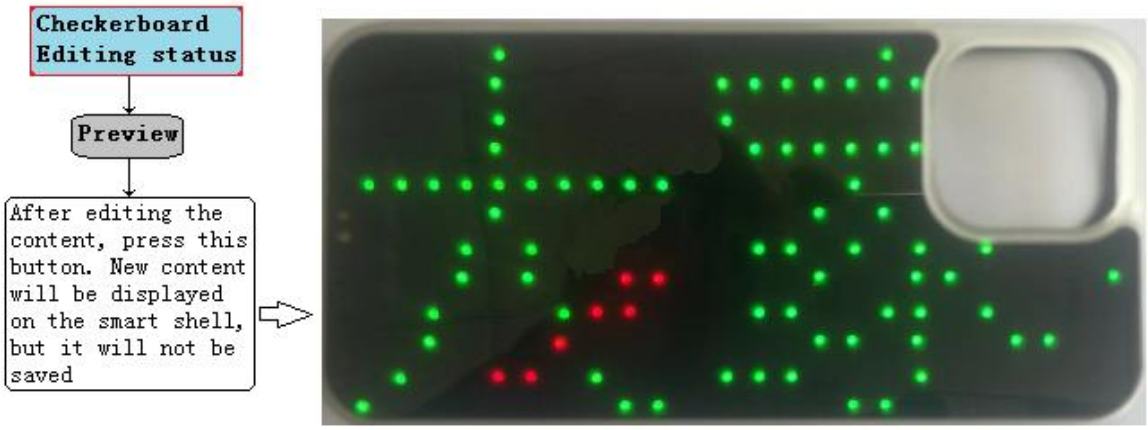


3.1.3 Editing Operations




Checkerboard Editing status
color key
Click on the rightmost color block, A set of color blocks will be presented, and one can be selected as the current color
Text keys
Enter the text input dialog box
Click on the yellow input bar to input both Chinese and English
Press the "Finish" key and then press the "OK" key to complete the text input
After completing the input, the text dot matrix can be modified by clicking, and the color can also be changed
Input
Esc
OK
Hello
Finish
Return
Pattern
Write
View
Save


Checkerboard Editing status
Clear key
After pressing this key, a dialog box will appear in the edit box, and then press the "Ok" key to clear all the options
prompt
Click OK to clear all patterns
Esc OK
Adding Column
Add 1 column horizontally to the image pixels As shown in column 25 of the figure
Pattern
th
Write Preview Save
Delete column
1 column less horizontal pixels in the picture
handwriting
Open key
Touch the screen with your fingers, one point at a time
Finger swipe screen, many points at a time
Write Preview Save
Save
Save the edited content to your phone



3.1.4 Background Operations

Backstage management of public information, including alarms, public service advertisements, reminder messages, user editing information, etc

3.1.4.1 Download files from backend libraries

You can check your favorite animations, emoticons, etc. from the backend library.

3.1.4.2 Design patterns and animations can be uploaded to the backend

Upload your creative design to the backend for others to use。

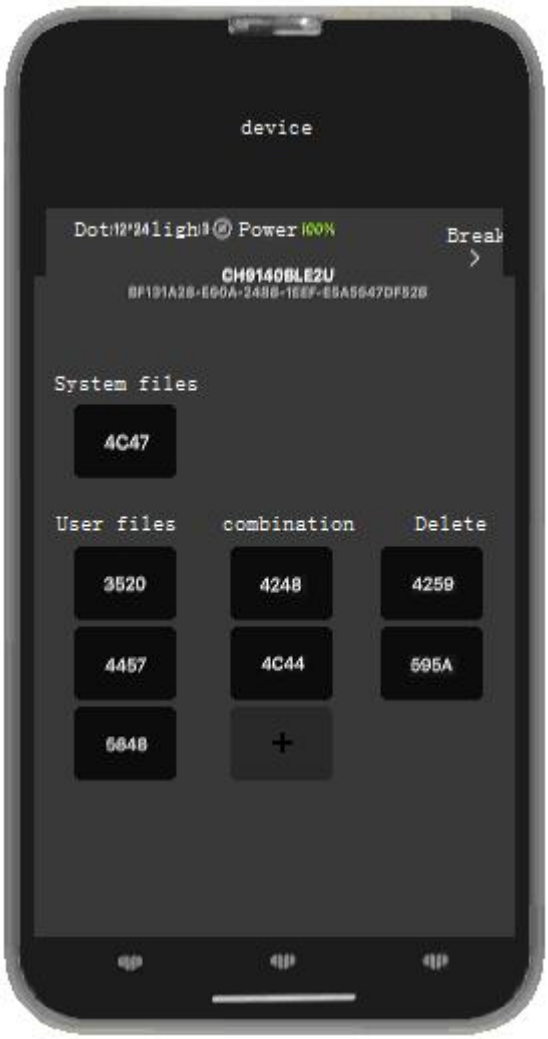
3.1.5 Other Operations

Upgrade and expand other functions in the future, such as measuring blood pressure.

3.2. Apple System Operations

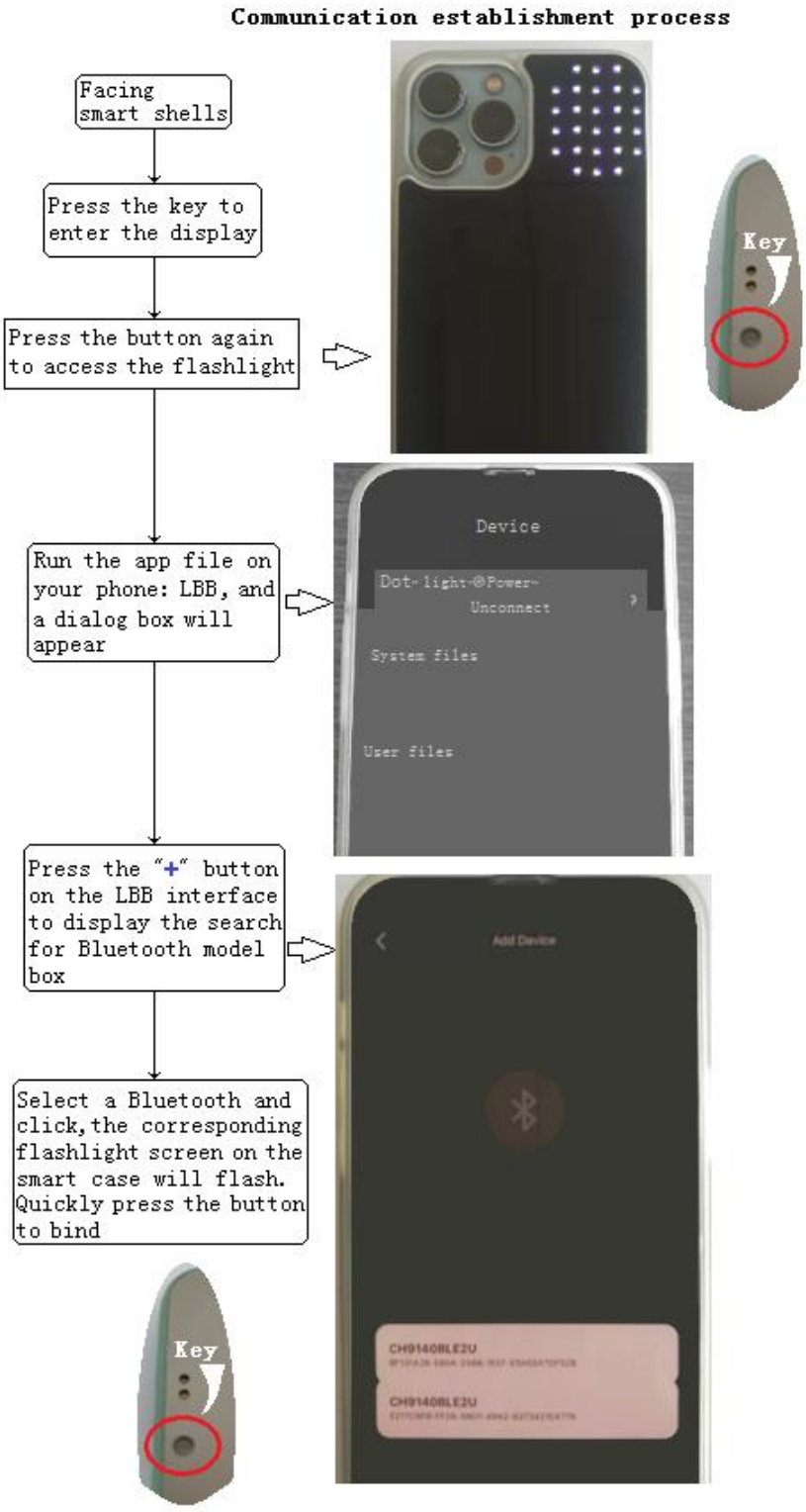
* Apple IOS 4.0 and above。
* The phone comes with a Bluetooth interface。
* Fully charged smart shell

Click on the LBB icon on the Apple phone and the APP interface will appear as follows



3.2.1 Communication establishment

The smart shell establishes communication with the phone through Bluetooth. In order to prevent any impact on other smart shells, the smart shell needs to be bound to the corresponding phone to establish one-on-one communication. Once bound, communication can be directly connected in the future. The specific operation and diagram are as follows:



If it is already bound to the phone, directly open the function shell app on the phone: LBB

Displayed on the functional shell app:

* Screen pixel count
* brightness
* quantity of electricity
* Bluetooth connection status
* System File Name List
* User File List
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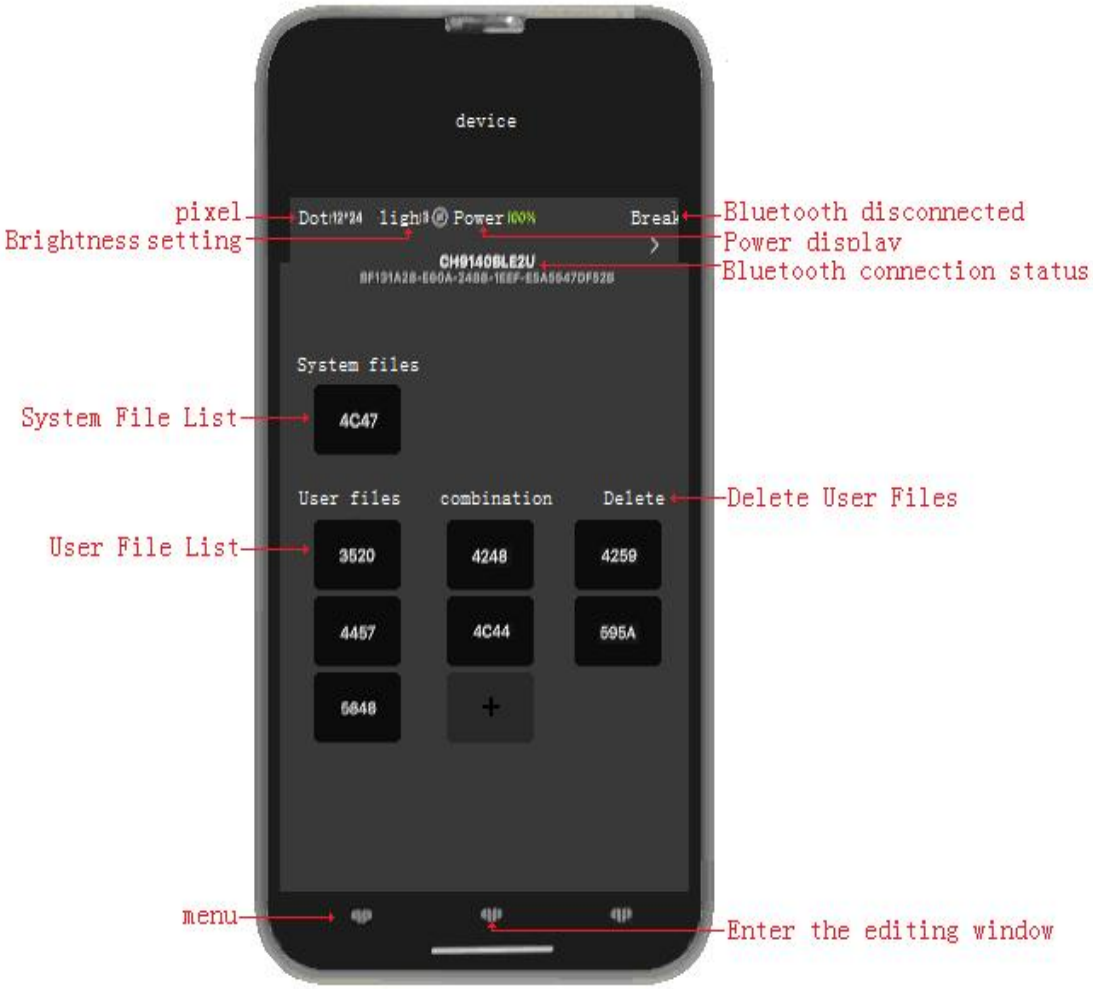
*> Device Information
* Edit or pattern entry
*"My" Entrance
* Delete all user files
* Disconnect Bluetooth communication



3.2.2 Display operation

3.2.2.1 Calling Display Files

Various display documents or functions can be called on the mobile app, with the following operations:

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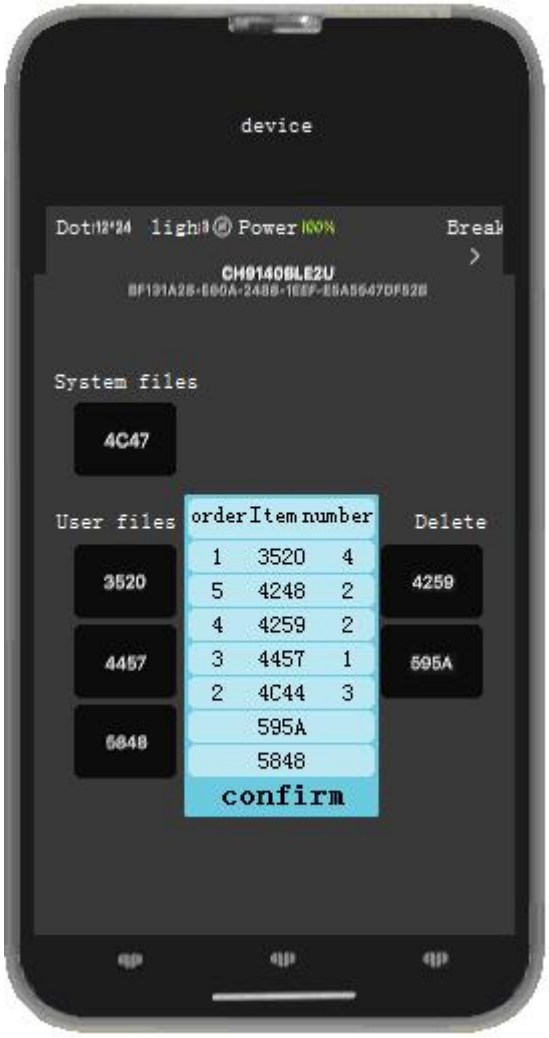

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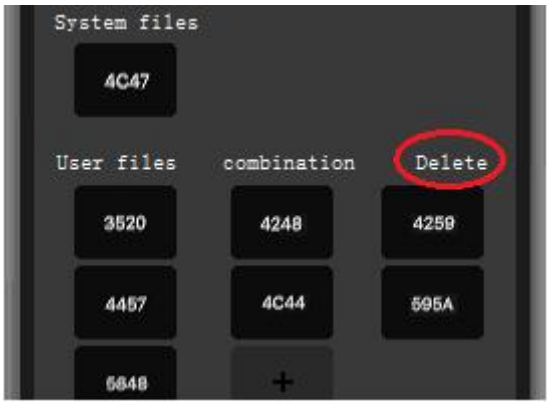

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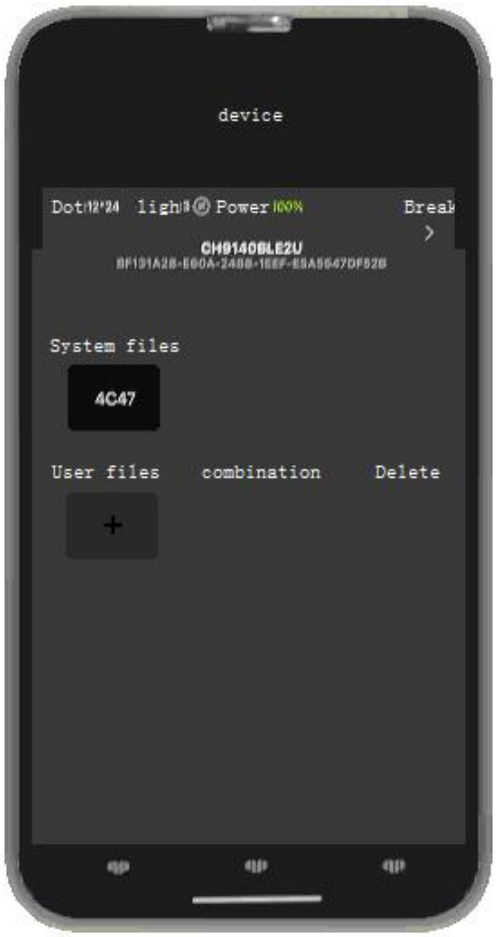

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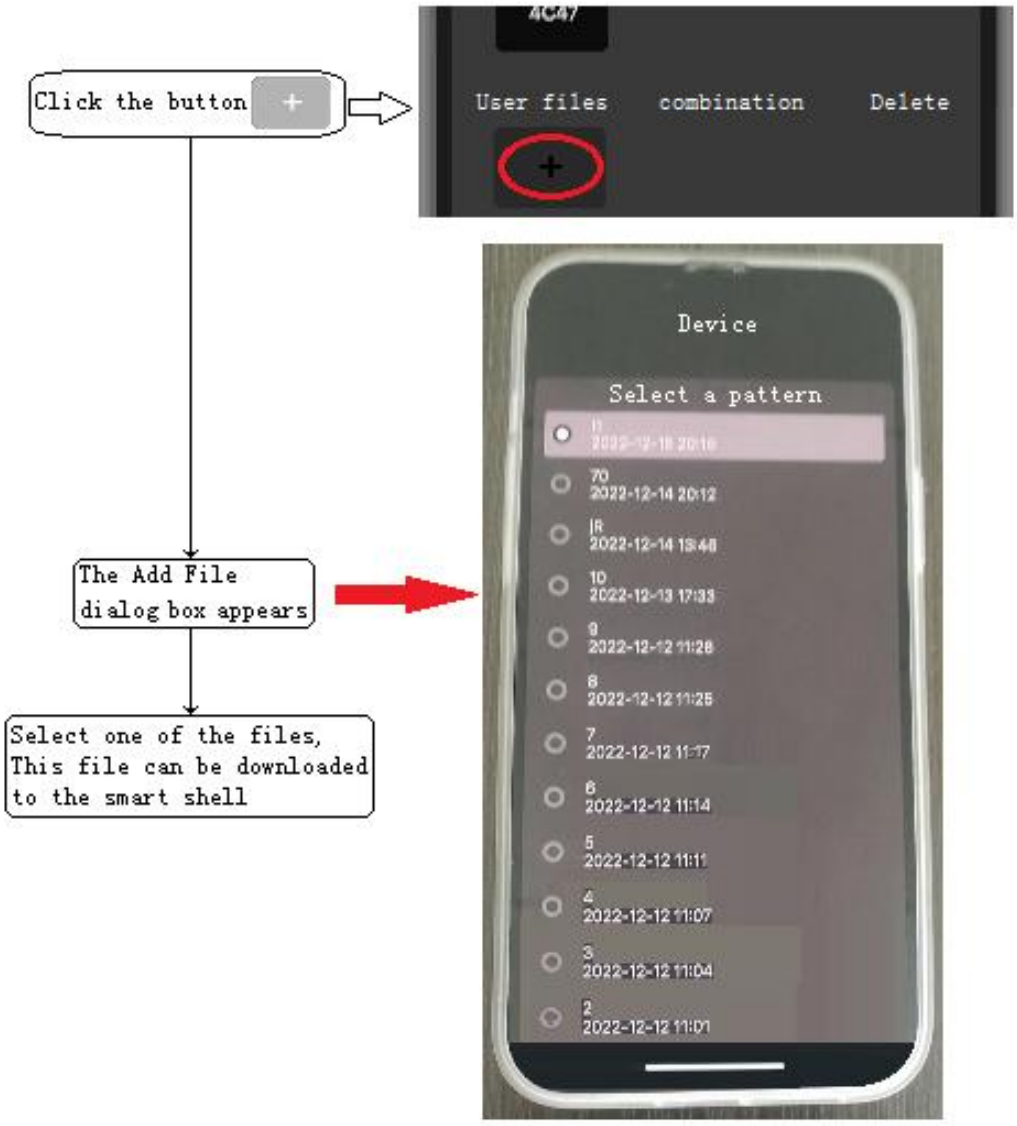
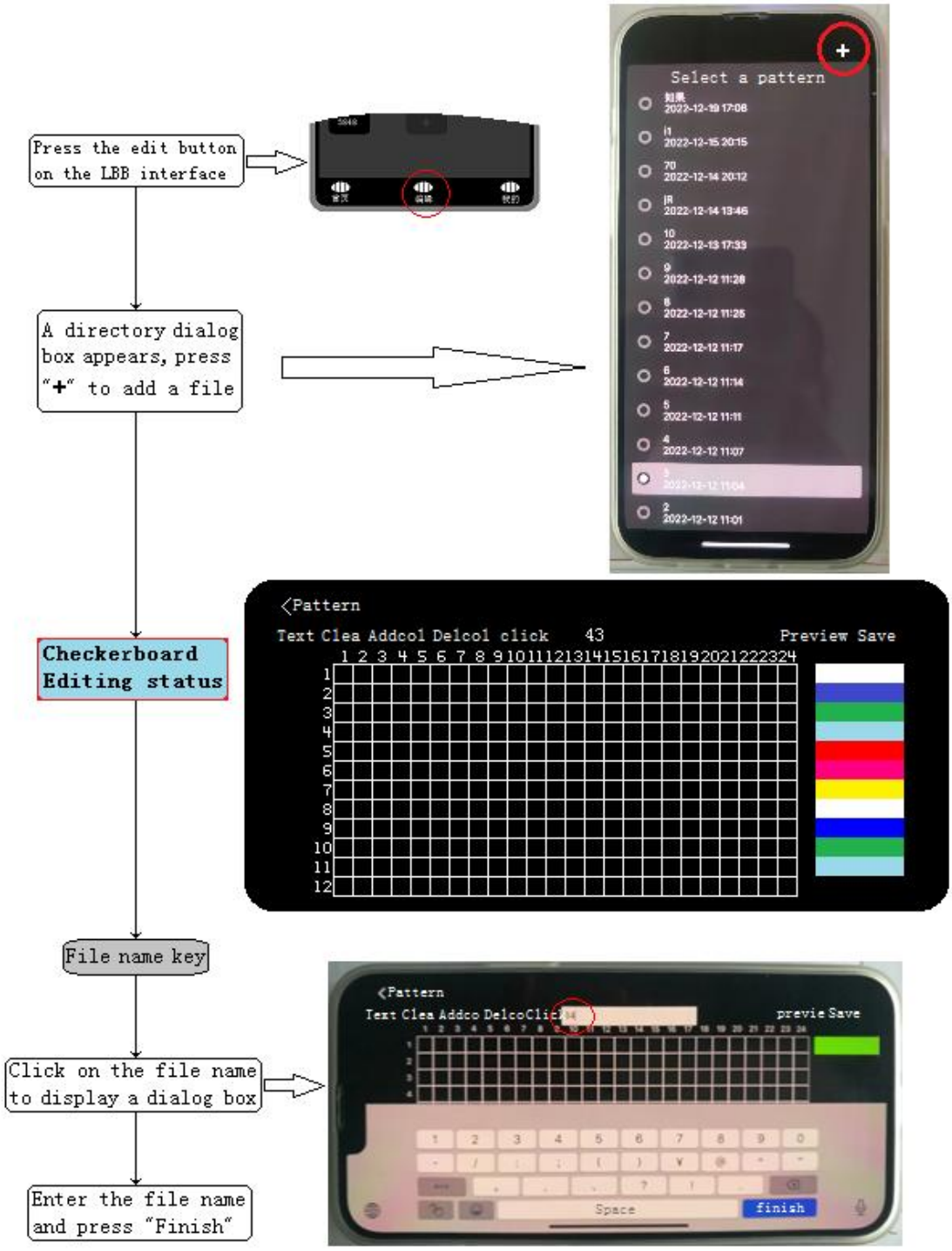
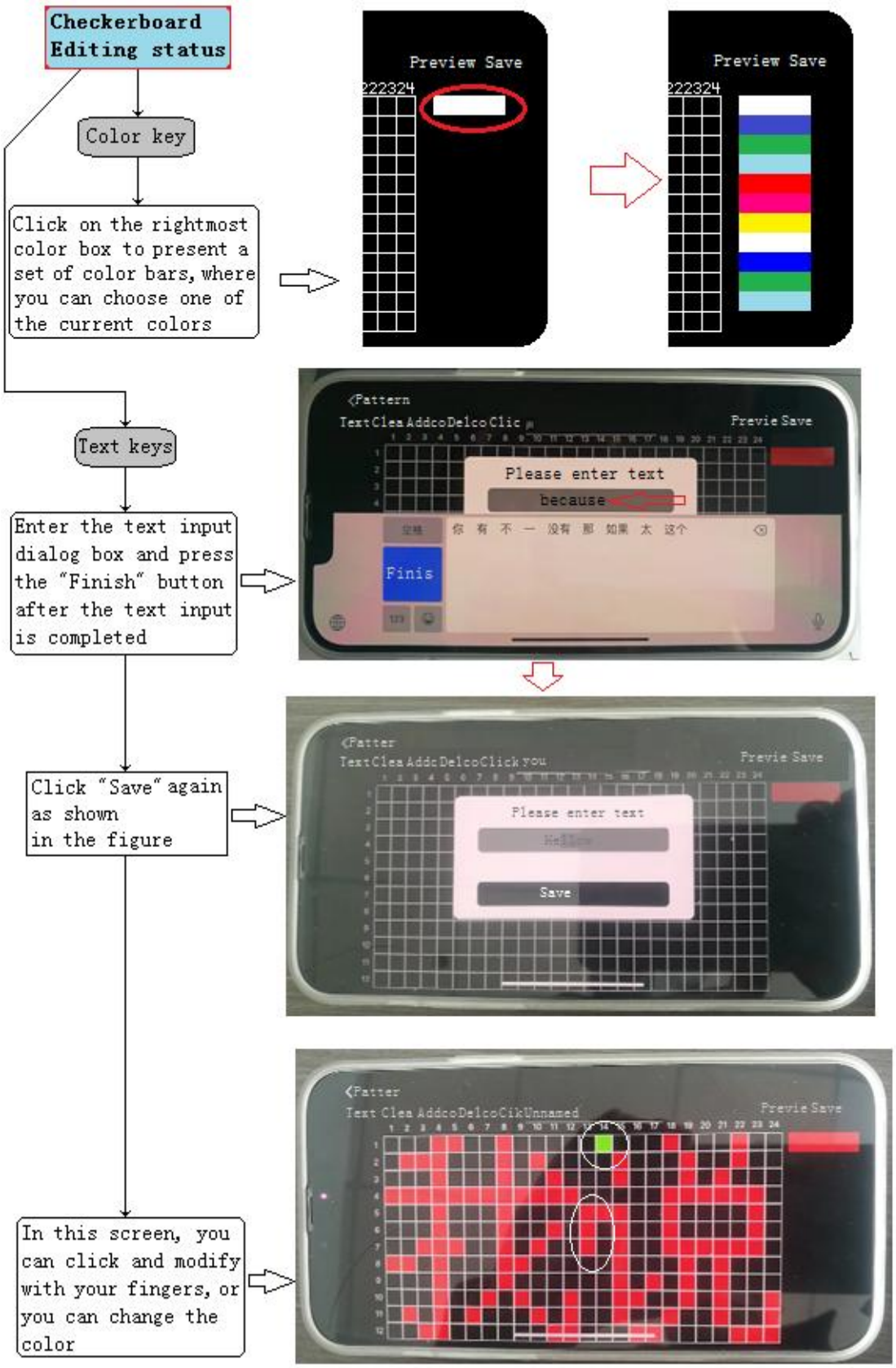

Click the button +
User files
combination
Delete
Device
Select a pattern
The Add File dialog box appears
Select one of the files, This file can be downloaded to the smart shell

3.2.3 Editing Operations




Checkerboard Editing status
Color key
Click on the rightmost color box to present a set of color bars, where you can choose one of the current colors
Preview Save
222324
Preview Save
222324
Text keys
Enter the text input dialog box and press the "Finish" button after the text input is completed
Please enter text
because
Finis
Click "Save" again as shown in the figure
Please enter text
Save
In this screen, you can click and modify with your fingers, or you can change the color

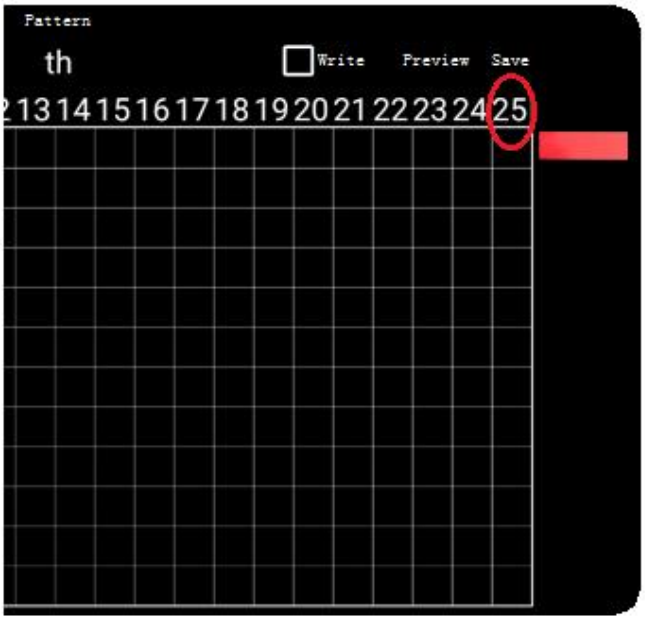
Checkerboard Editing status

Clear key

Press this key to clear all input in the edit box

Adding Column

Add 1 column horizontally on the pixels of the screen, as shown in column 25 of the figure



Delete column

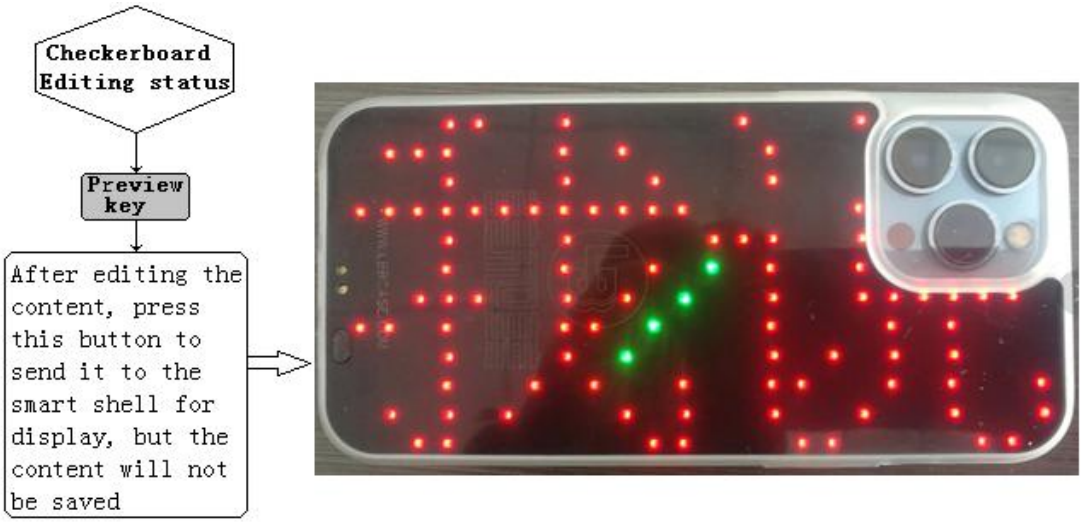
Pixel horizontal reduction by 1 column

handwriting

Switch key
Click: one point at a time
Handwriting: Scribe many points at once

Save

Save the edited file to your phone



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You can check your favorite animations, emoticons, etc. from the backend library.

3.2.4.2 Design patterns and animations can be uploaded to the backend

Upload your creative design to the backend for others to use。

3.2.5 Other Operations

Upgrade and expand other functions in the future, such as measuring blood pressure.

FCC Requirement

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

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.