Meihemei Technology MP15PRO24DT Mobile Phone Smart Shell Instruction Manual

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Meihemei Technology

Meihemei Technology MP15PRO24DT Mobile Phone Smart Shell

Product Information

Specifications

- 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
- Other components

Product Composition

Physical assembly
The smart shell display is composed of various components including the 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. These components 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, various colors of light points can be seen forming text, patterns, animations, videos, mini-stage spotlights, etc.

Smart case operation

- **Key operation:** 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.

Chapter 2: Technical Indicators
No technical indicators are mentioned in the user manual.

Chapter 3: Editing Operations
No editing operations are mentioned in the user manual.

Product Usage Instructions

Charging Operation

To charge the smart shell:

1. Insert one end of the magnetic charging cable into the phone charging adapter.
2. Place the other end on two circular notches on the smart shell.
3. The charging indicator light will light up.
4. After some time, the indicator light goes out and the charging is completed.

Note:
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.

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

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

Flashlight screen
When the smart shell is on 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, other screens can be edited, added, deleted, and modified through the mobile app. Please refer to the following instructions for specific operations.

FAQ
No frequently asked questions are mentioned in the user manual.

Product Composition

The smart shell display is composed of a 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.

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 the same as ordinary phone protective cases. When lit, text, patterns, animations, videos, mini stage spotlights, etc. composed of various colours of light points can be seen.

Front view of the smart case

Smart case back view

Insert the phone into the smart shell

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.

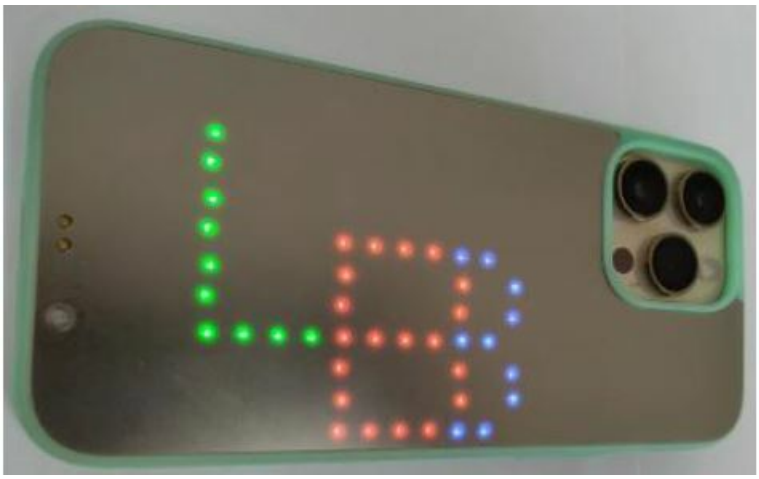
Close operation
If the button is pressed for more than 2 seconds, the entire display will turn off and enter standby mode.

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.

Index Parameters

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

- **Weight:** 63
- **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.

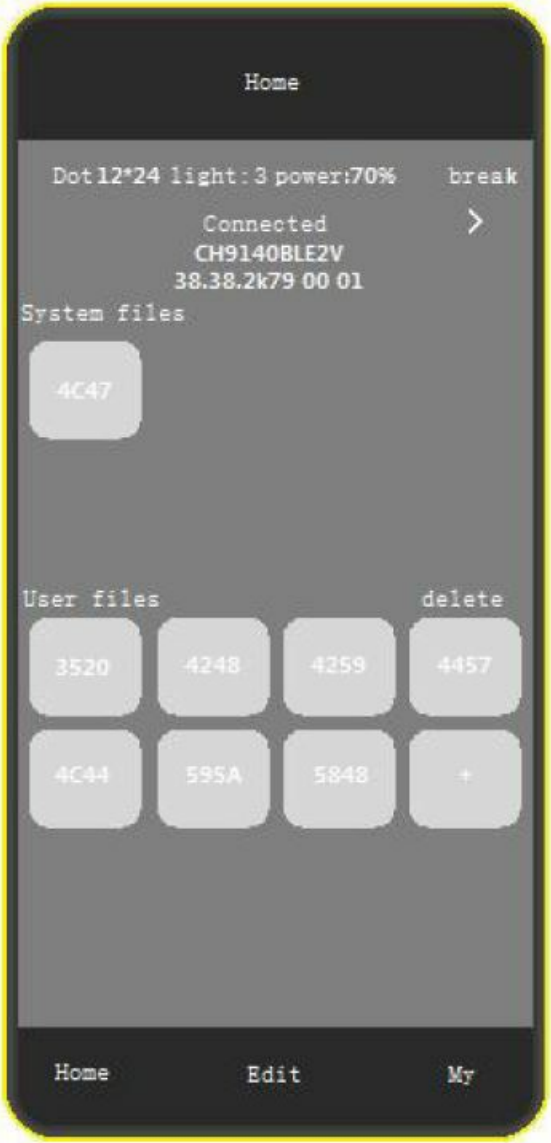
Editing Operations

The content displayed on the smart case can be edited, modified, bound to communication, and 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.

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

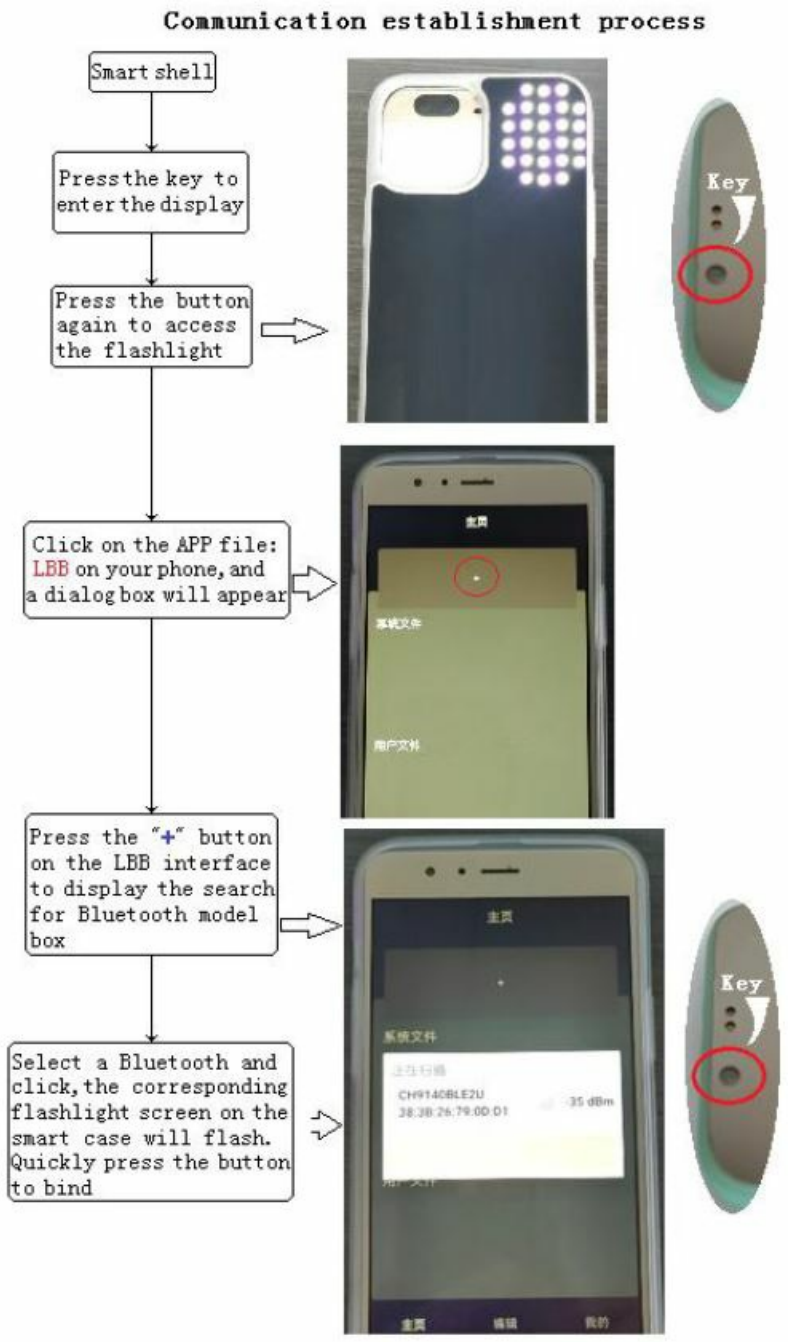


The light colored box and bottom menu on this screen are both buttons that can be operated!

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

Communication establishment
The smart shell establishes communication with the phone through Bluetooth. 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

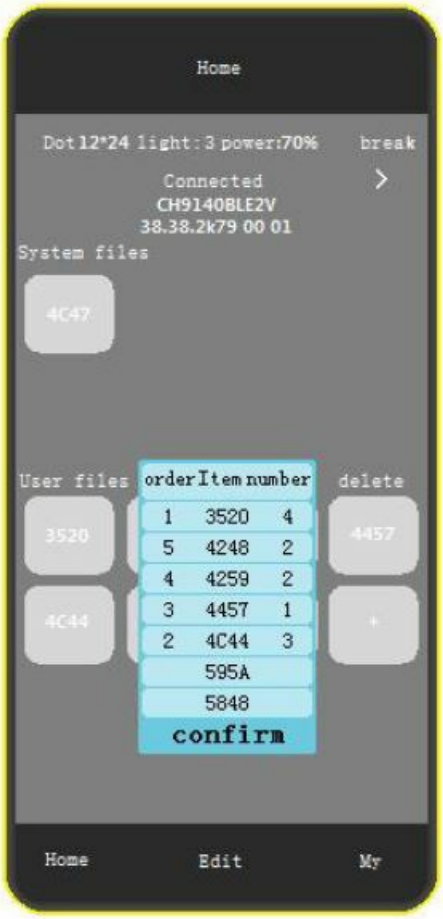
- Edit or pattern entry
- ”My” Entrance
- Delete all user files
- Disconnect Bluetooth communication

Display operation

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

Combination display

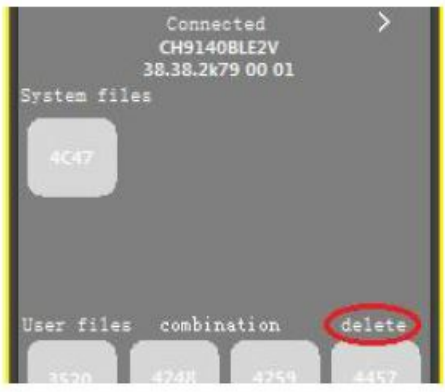
The user files can be played in any order and the number of times played can be set, and the user files can be combined for playback, as shown in the following figure:



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

Deleting Files

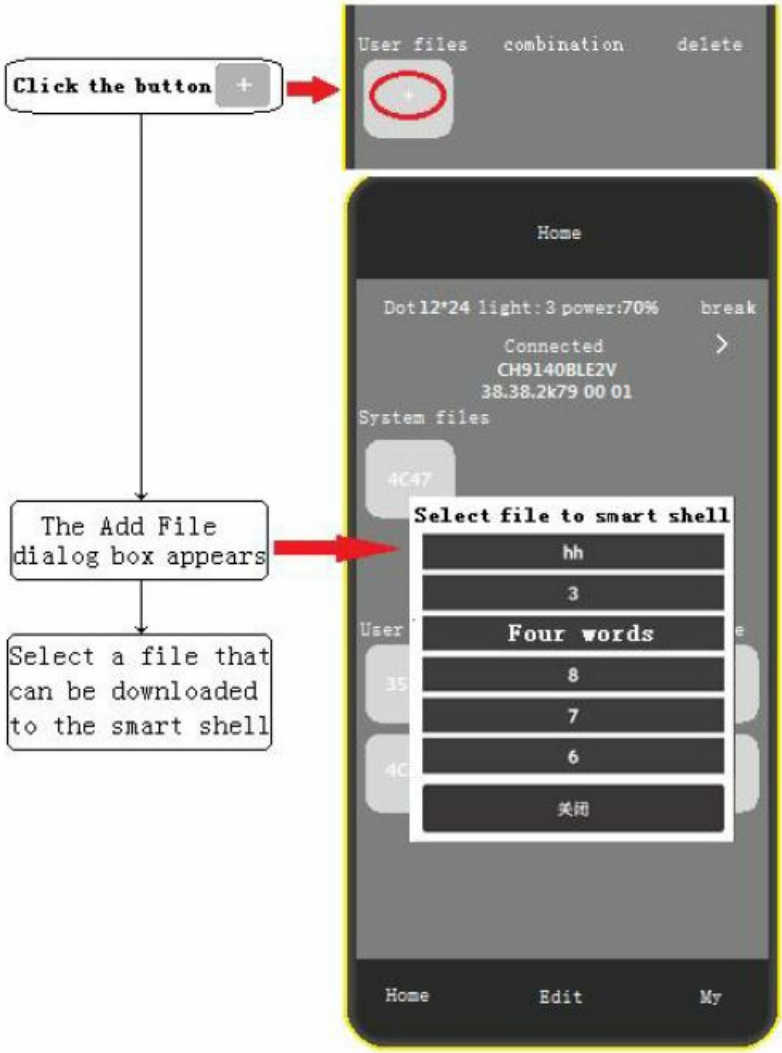
There is a “delete” key in the user file line, which can be pressed to delete all user files



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

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).

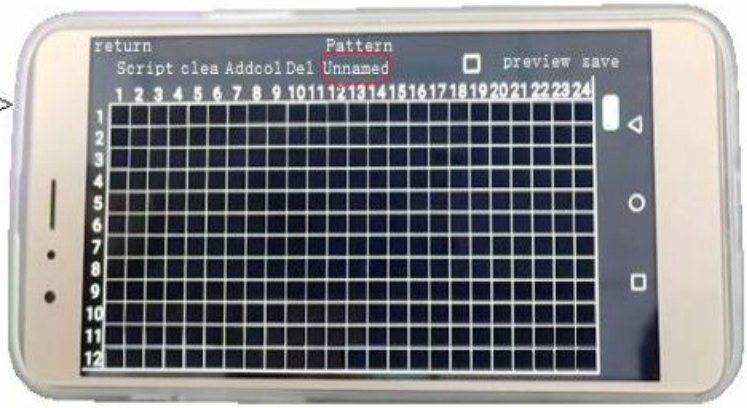


Editing Operations

Press the edit button on the app homepage

A directory dialog box appears Press the "+" key to add a file

Checkerboard Editing status



File name key

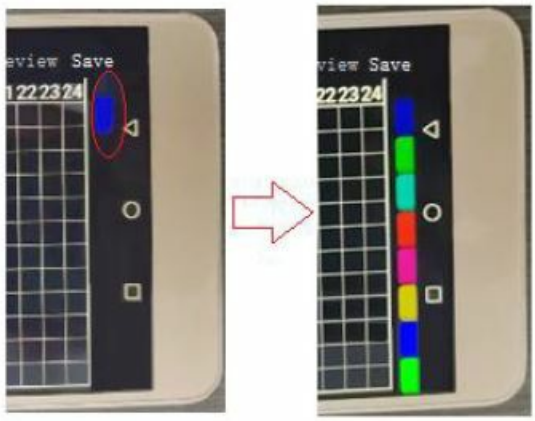
Click on the file name A dialog box appears

Enter file name press the **next step**

Checkerboard Editing status

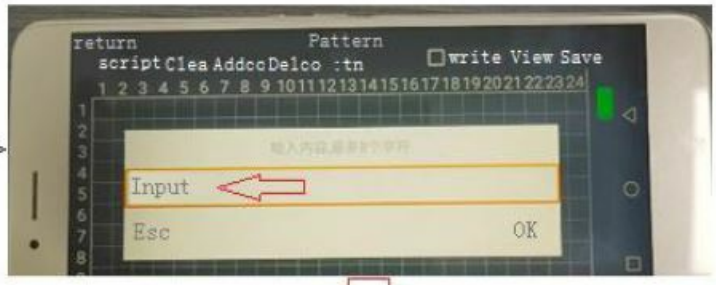
color key

Click on the rightmost color block,
A set of color blocks will be presented, and one can be selected as the current color



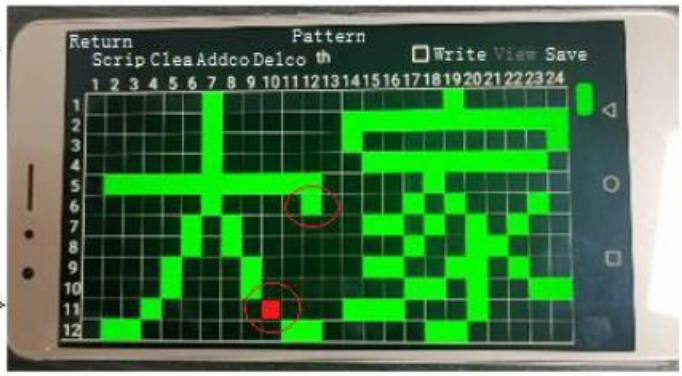
Text keys

Enter the text input dialog box

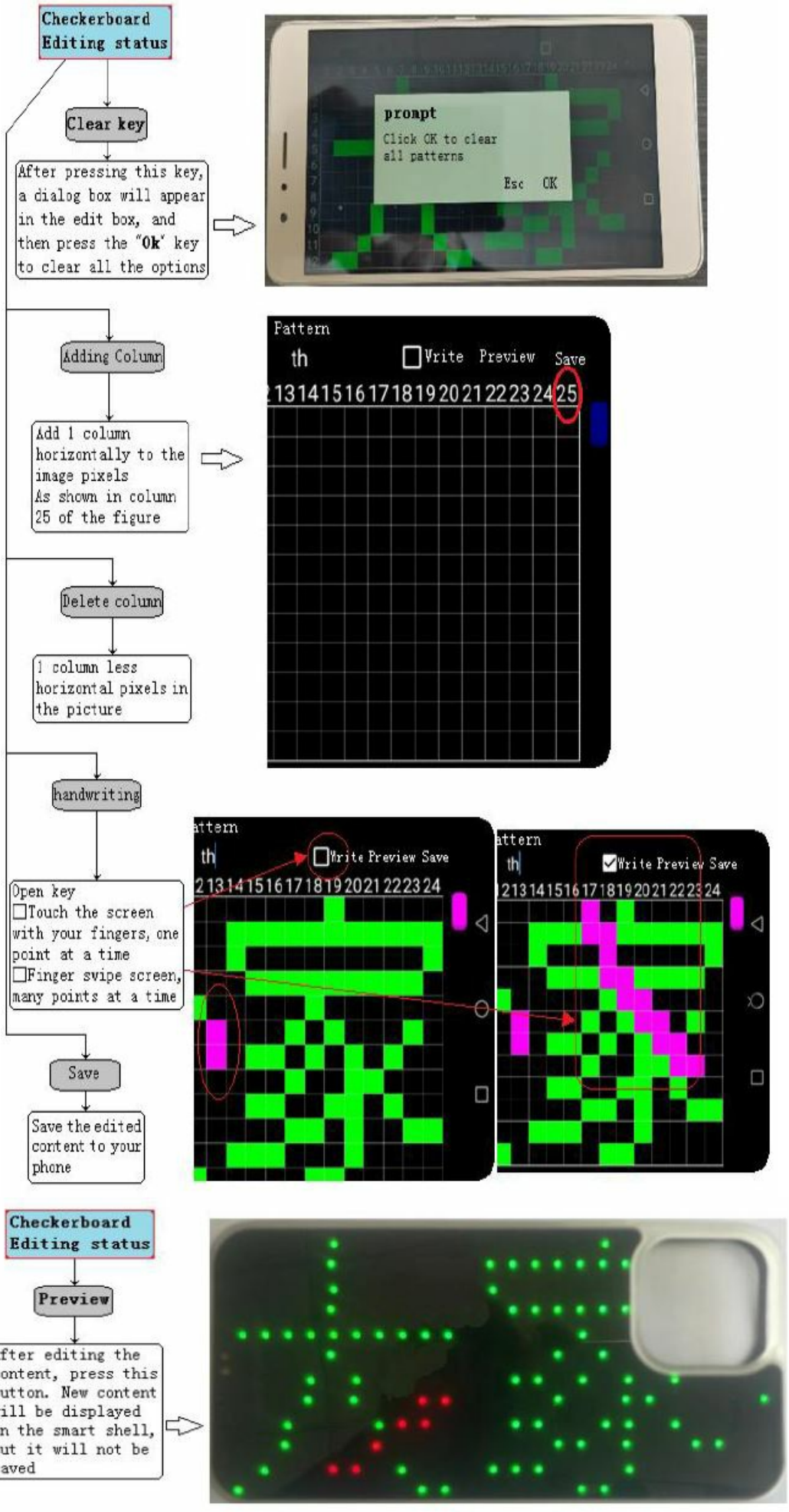


Click on the yellow input bar to input both Chinese and English

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



- **Background Operations**

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

- **Download files from backend libraries**
  You can check your favourite animations, emoticons, etc. from the backend library.
- **Design patterns and animations can be uploaded to the backend**
  Upload your creative design to the backend for others to use.

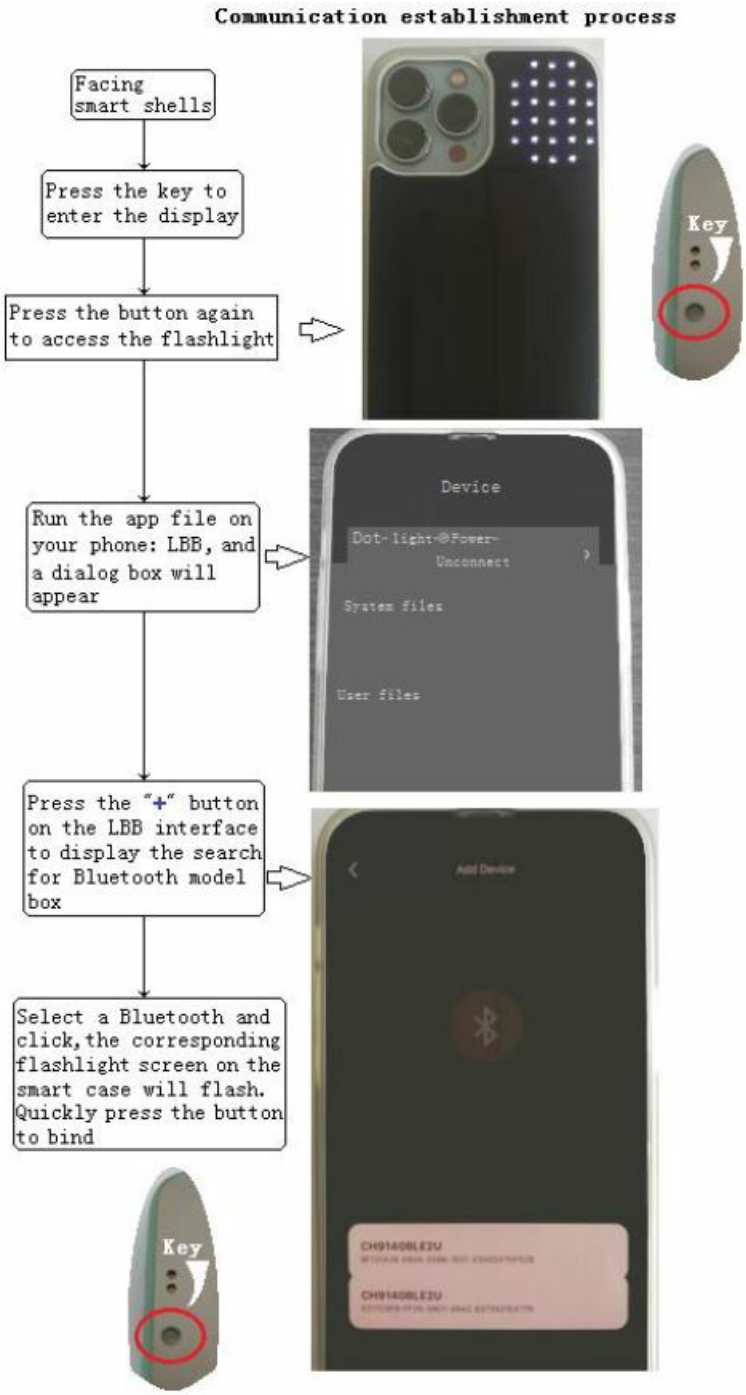
Other Operations
Upgrade and expand other functions in the future, such as measuring blood pressure.

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

Communication establishment
The smart shell establishes communication with the phone through Bluetooth. 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
- + Add Files
- > Device Information
- Edit or pattern entry
- ”My” Entrance

- Delete all user files
- Disconnect Bluetooth communication

Display operation

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

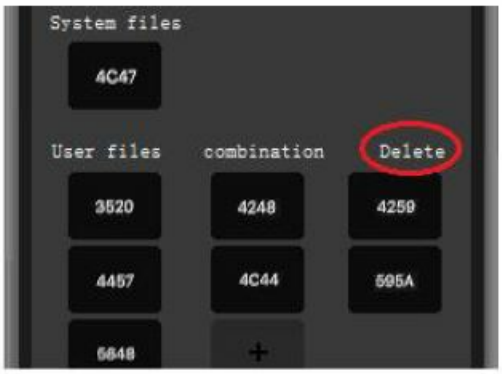
Combination Display

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 dialogue 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.

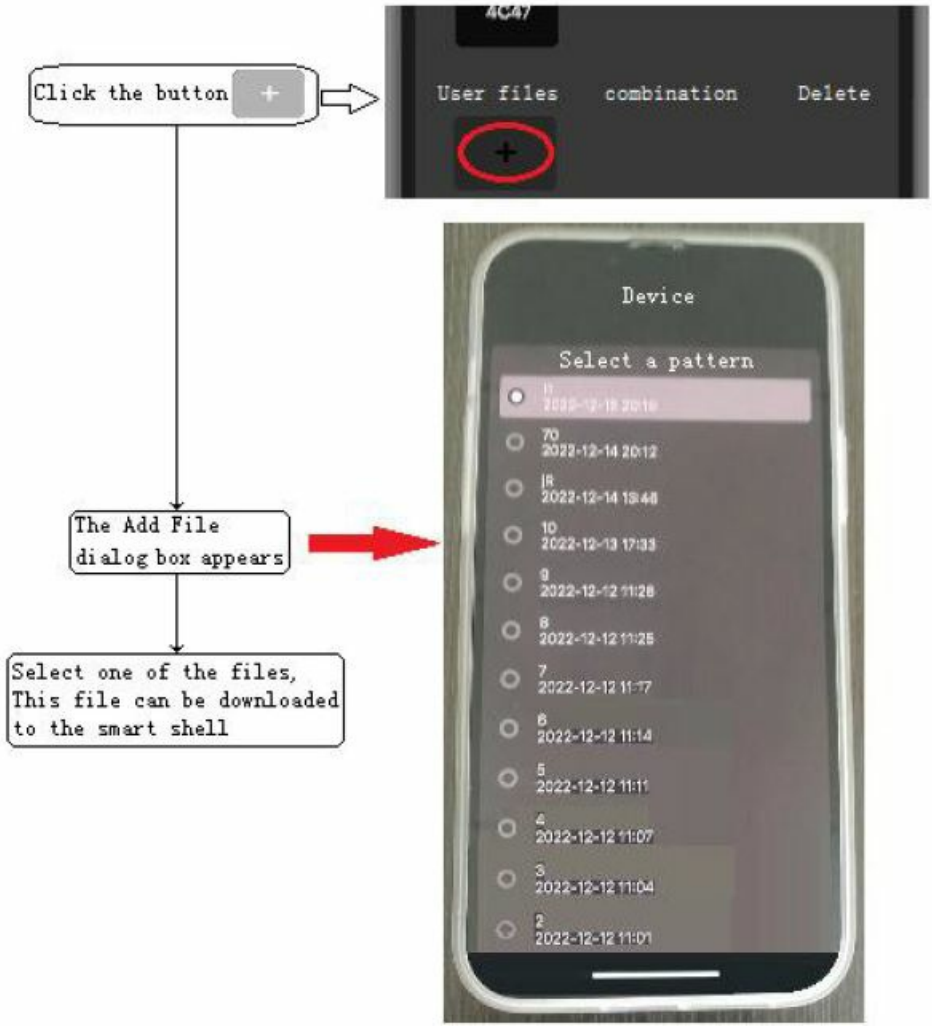
Deleting Files
There is a “delete” key in the user file line, which can be pressed to delete all user files



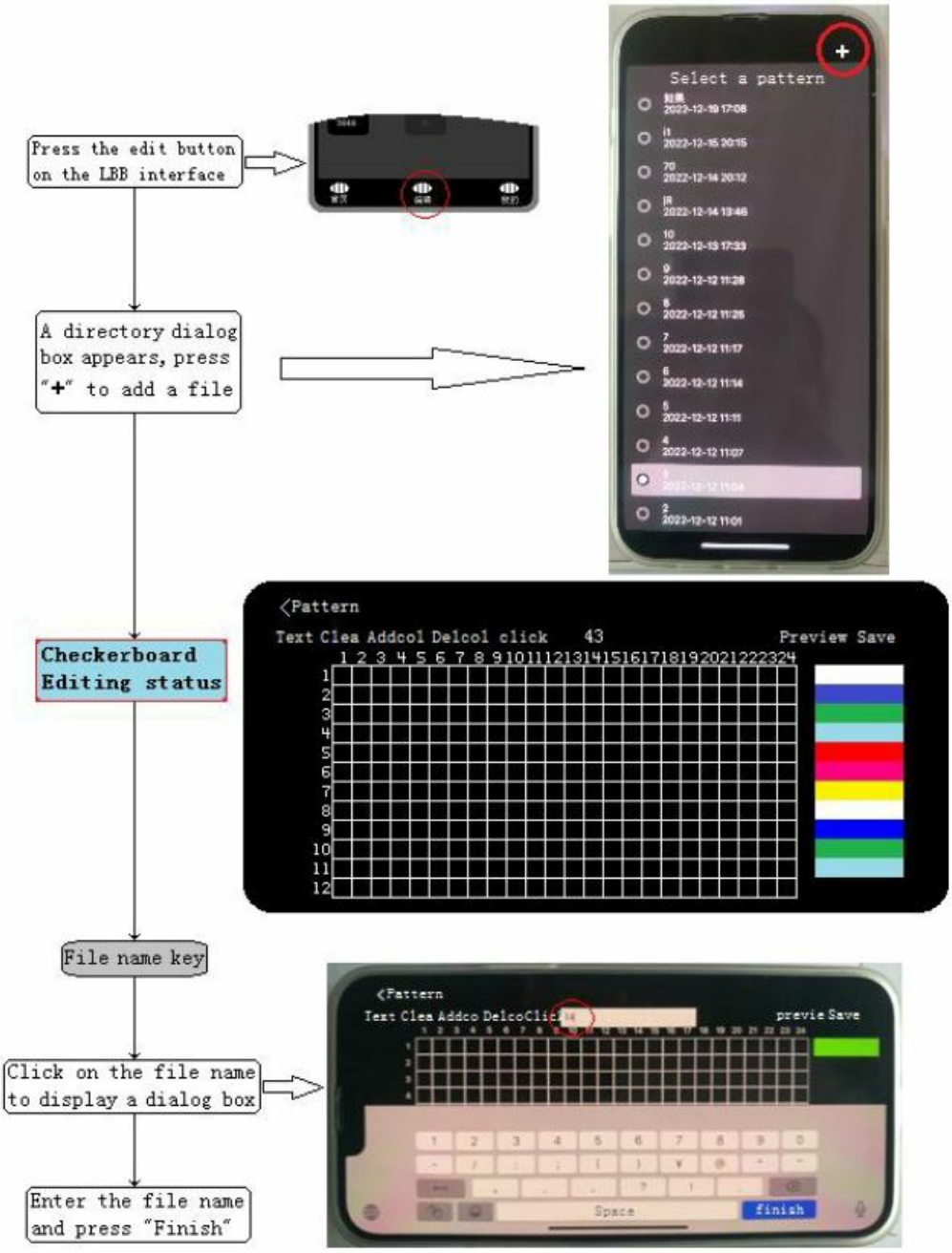
The operation result is shown in the following figure, and all the user area files are missing.

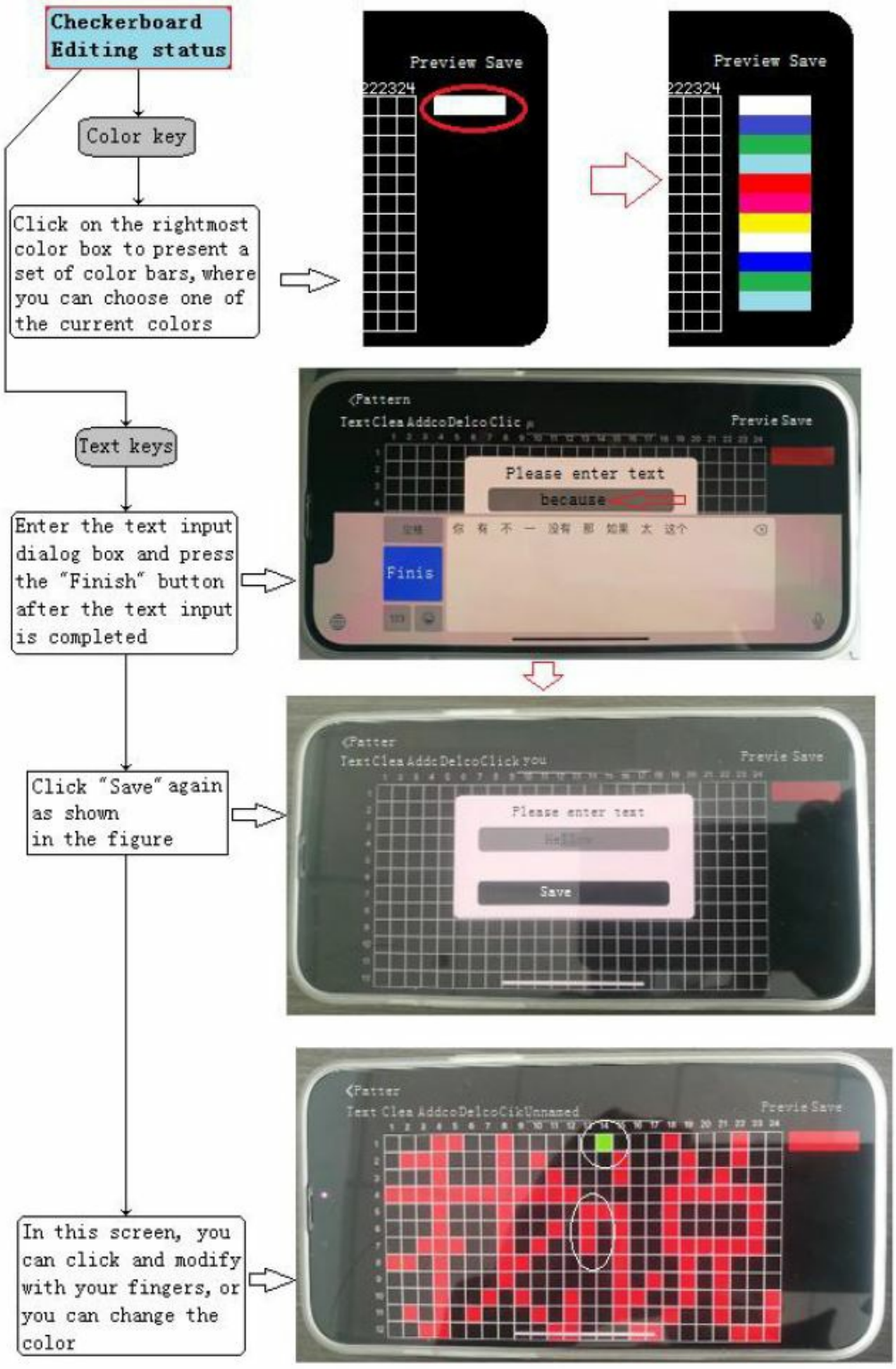
Adding Documents

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 3.3, Editing Operations to learn more).



Editing Operations


Press the edit button on the LBB interface
A directory dialog box appears, press "+" to add a file
Checkerboard Editing status
File name key
Click on the file name to display a dialog box
Enter the file name and press "Finish"
Select a pattern
Pattern
Text Clea Addcol Delcol click 43
Preview Save
finish


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
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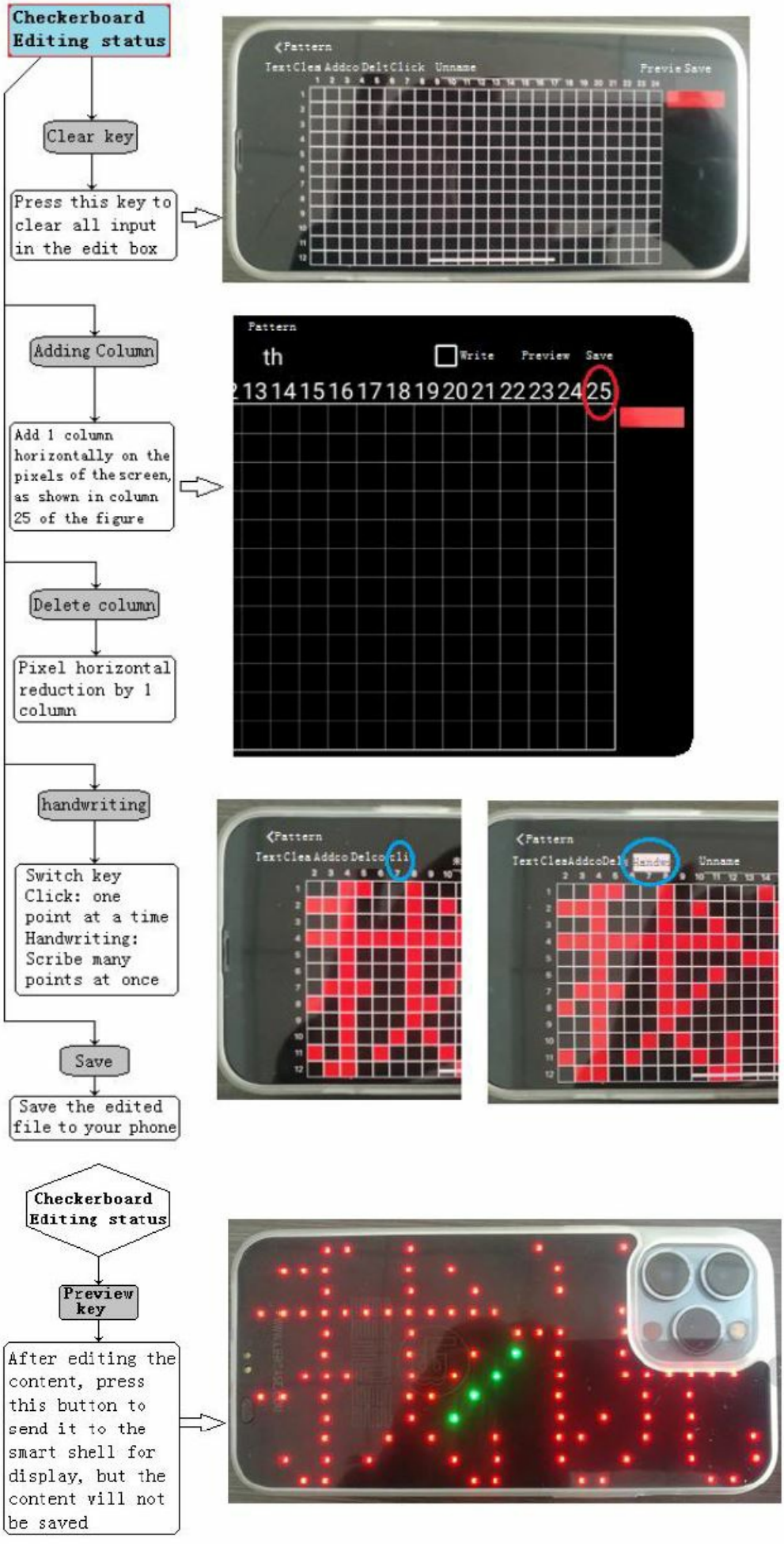
Text keys
Enter the text input dialog box and press the "Finish" button after the text input is completed
Please enter text
Finis
Click "Save" again as shown in the figure
Please enter text
Save
In this screen, you can click and modify with your fingers, or you can change the color



- **Background Operations**

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

- **Download files from backend libraries**

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

- **Design patterns and animations can be uploaded to the backend**

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

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, according 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 per 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 the receiver.
- Connect the equipment to 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.

Documents / Resources

	Meihemei Technology MP15PRO24DT Mobile Phone Smart Shell [pdf] Instruction Manual MP15PRO24DT, 2BDF7-MP15PRO24DT, 2BDF7MP15PRO24DT, MP15PRO24DT Mobile Phone Smart Shell, Mobile Phone Smart Shell, Phone Smart Shell, Smart Shell, Shell

References

- **User Manual**

Manuals+, **Privacy Policy**

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