

iControl K06-UK

6 Keys Control Keypad, UK version

User Manual V1.0

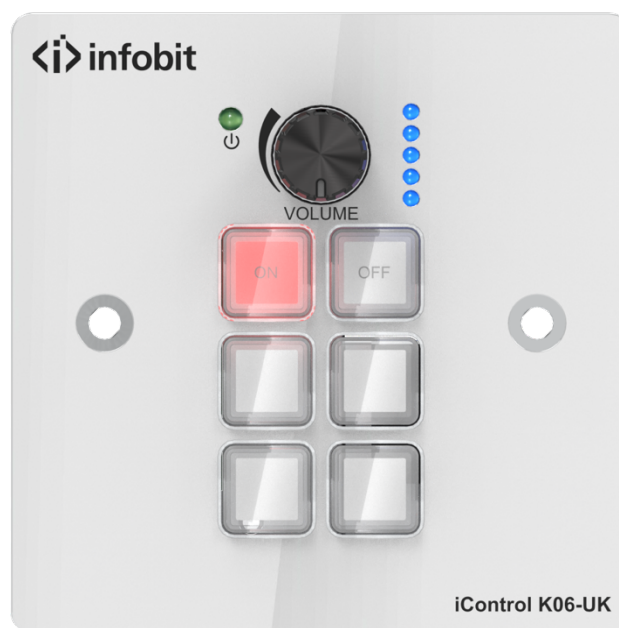


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SAFETY PRECAUTIONS

- To insure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.
- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage.
- If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.



1. INTRODUCTION

The **iControl K06-UK** Wallplate Control Panel has 2x built-in programmable RS232 connectors and 2x Infrared (IR) connectors.

The Programmable Control Panel can fully control the compatible switches, as well as third-party devices such as matrix switcher, compact scaler switcher, projectors, screens, etc. Use the device for presentations in showrooms, classrooms, and boardrooms.

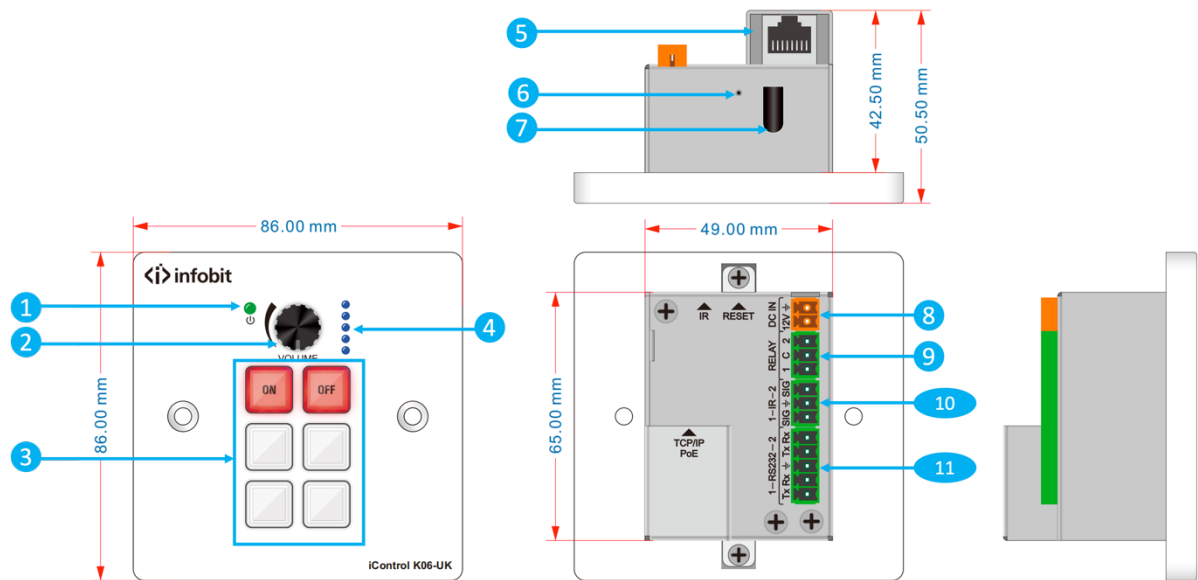
2. FEATURES

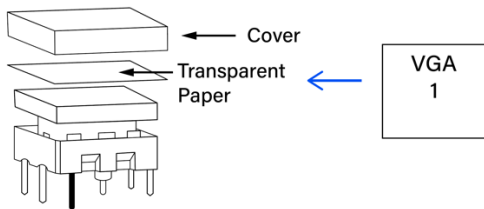
- 6x programmable backlit buttons w/ customizable label
- Each button color can be customized by user
- 1x volume control knob
- 2 RS-232, 2 IR and 2 Relay for control.
- Support TCP/IP Control
- Support IR learning function
- Can be controlled and configured via User-friendly Web GUI
- Can be powered by PoE
- UK Wallplate version

3. PACKAGE LIST

- 1x iControl K06-UK
- 1x 2-Pin Pluggable terminal blocks
- 6x Button caps
- 1x 5-Pin Pluggable terminal block
- 2x 3-Pin Pluggable terminal block
- 1x Button label
- 1 x User Manual

4. PANEL DESCRIPTION



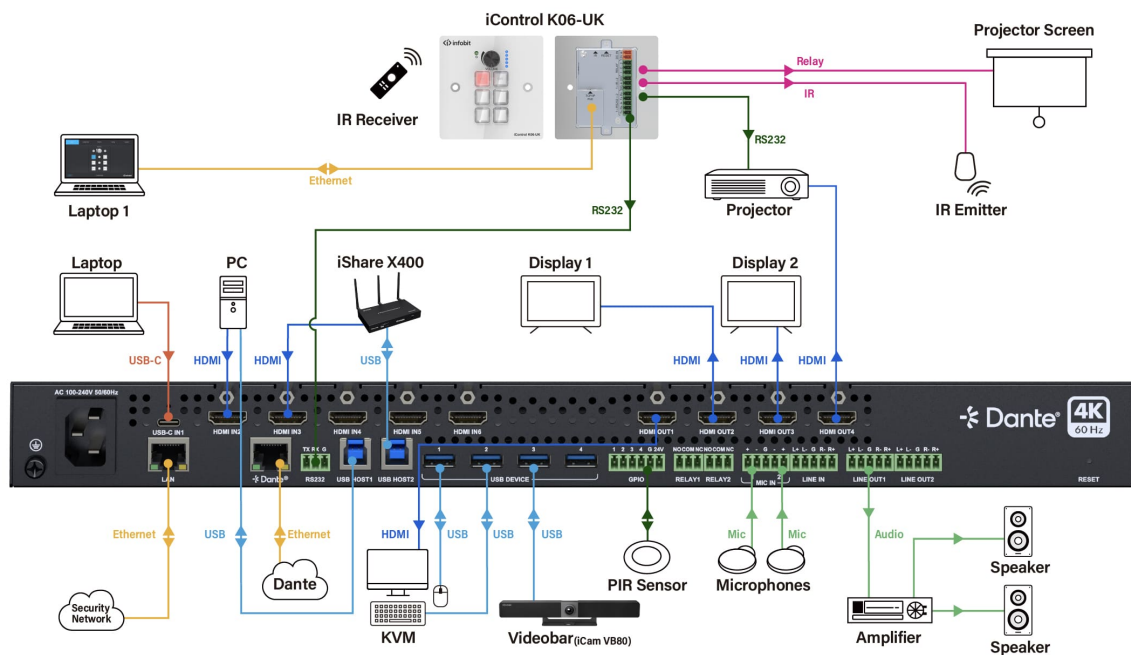
No.	Name	Description
1	Power LED	Illuminates green when power on.
2	Volume Knob	Black volume knob, high-quality knob with high damping feel and stable structure, about 12-13mm in diameter
3	Button	6x crystal and luminescent programmable buttons: Each button can be programmed with the Web GUI. Each label within a button can be easily changed. Simply select the label you need and change it as shown below: 

4	Volume indicator	5x blue indicator lights, light up in percentage according to the volume knob (1-19%, 20-39%, 40-59%, 60-79%, 80-100%)
5	TCP/IP	RJ45 connector. Connects with PC to run the GUI to customize button control.
6	RESET	Long-press this button 3 seconds until the power LED goes out to start to the restore factory defaults, and then the LED will light up while the resetting is successful.
7	IR Sensor	Receives and learns the IR code to build the IR database.
8	PWR(12V)	Connects with 12V DC power adaptor.
9	RELAY	2x groups of Relay Control, share a common switch interface, default ON
10	IR	2x sets of IR OUT, share a ground port, 5V standard, connect to the infrared emitting rod
11	RS232	2x RS232 ports. Connect the third-party devices which are need to be controlled via the iControl K06-UK .

5. SYSTEM CONNECTION

The **iControl K06-UK** can active different ports at one time. It means every button can send the RS232 commands, IR code at the same time.

The demo system diagram as below:



- 1) Connect the **iControl K06-UK** to the LAN port of Wireless Router/ network switch/ control device (such as PC) to TCP/IP port.
- 2) Connect the third-party devices (such as Matrix Switcher, Compact Scaler Switcher or Projector) that need to be controlled to RS232 (1) ~RS232 (2) ports.
- 3) Connect the IR Emitters to IR (1) ~ IR (2) ports.
- 4) Connect to the third-party devices that need to be controlled by relay.

6. GUI CONTROL

6.1 LOG IN

The **iControl K06-UK** is controlled by TCP/IP. The default settings are:

IP Address: 192.168.0.178
Subnet Mask: 255.255.255.0
Telnet port: 4001



Type 192.168.0.178 in the internet browser, it will enter the below log-in webpage:

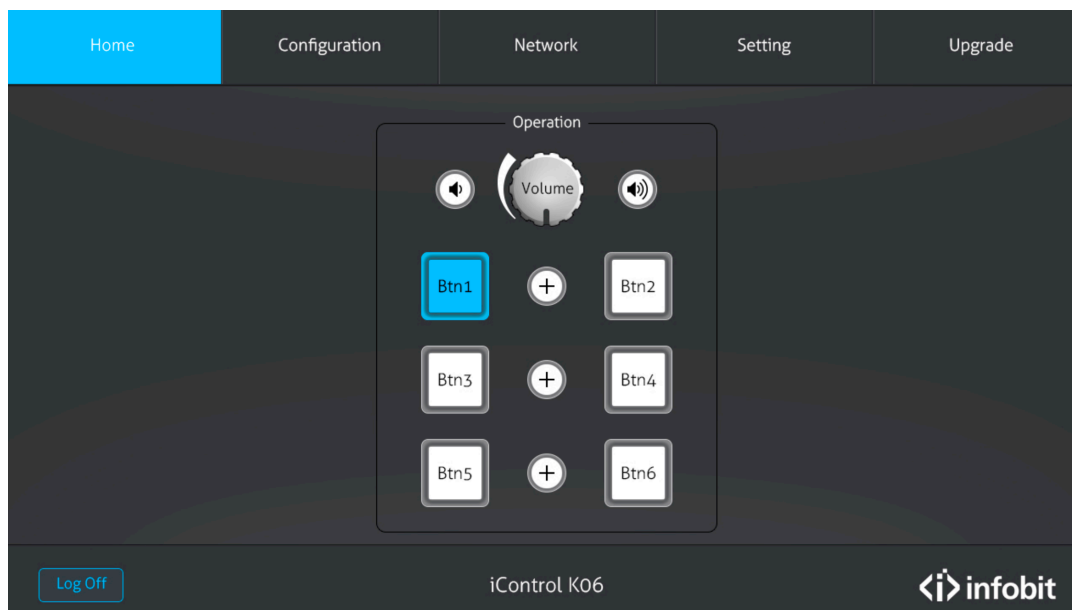
The login page features a dark background with the infobit logo in the top right corner. It contains two input fields: 'User Name' and 'Password', both with placeholder text 'Please Enter'. Below these fields is a blue 'Login' button. At the bottom, it displays 'GUI: V1.0.0', 'Firmware: V1.0.0', and 'iControl K06'.

Username: admin

Password: admin

Type the username and password, and then click the login to enter the GUI setting.

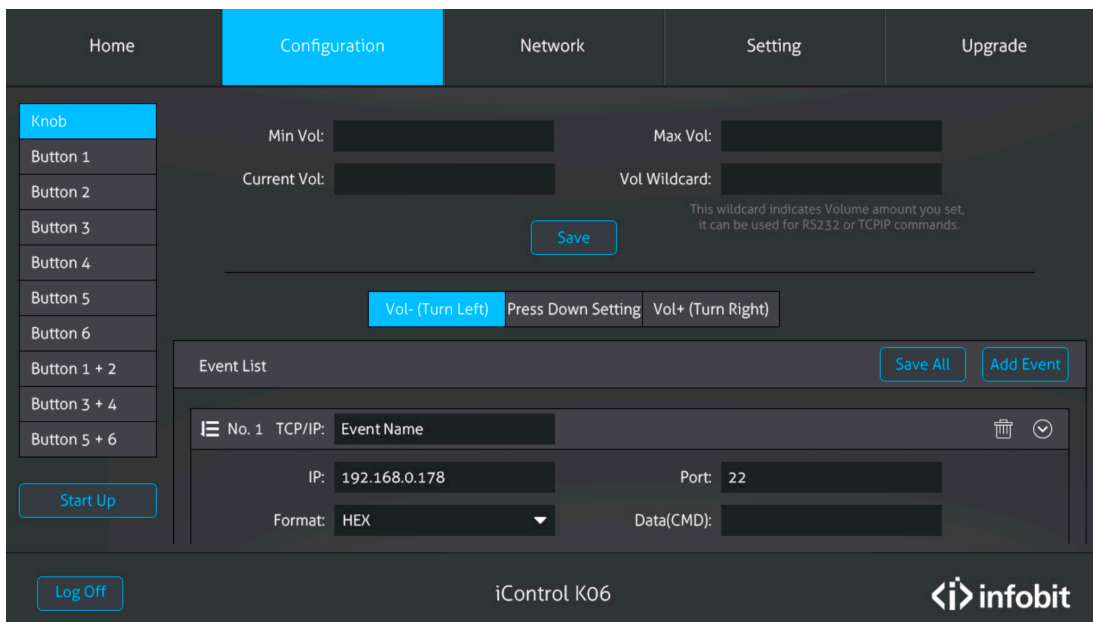
6.2 HOME



- Click the volume icon to adjust the volume; or click the knob icon to implement the corresponding event;
- Mouse operation click the corresponding button

6.3 CONFIGURATION

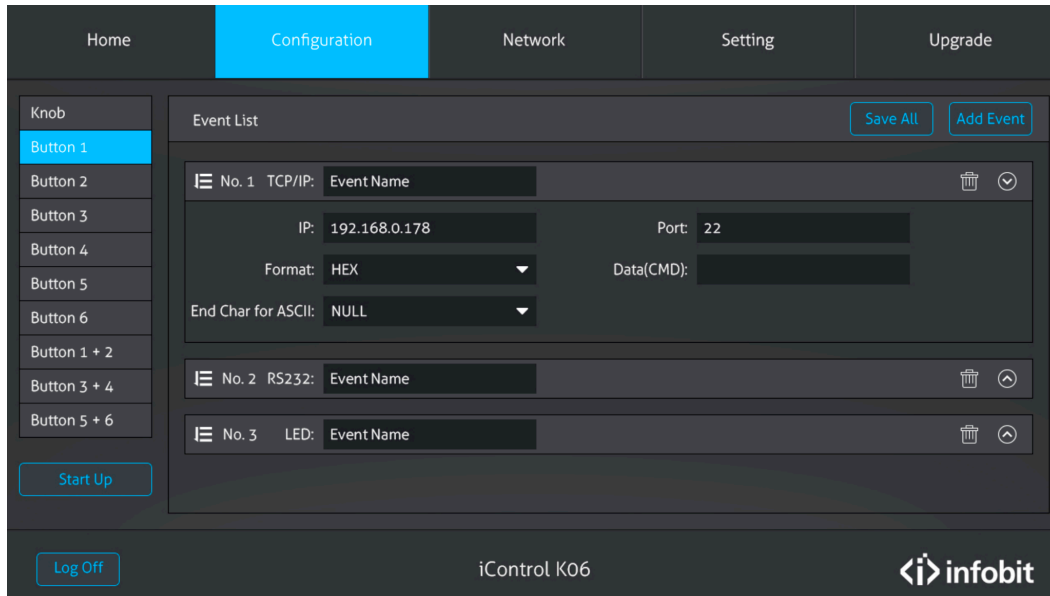
6.3.1 KNOB



The screenshot shows the 'Configuration' page for the 'Knob' section of the iControl K06 interface. The top navigation bar includes 'Home', 'Configuration' (highlighted), 'Network', 'Setting', and 'Upgrade'. On the left, a sidebar lists 'Knob' (highlighted), 'Button 1', 'Button 2', 'Button 3', 'Button 4', 'Button 5', 'Button 6', 'Button 1 + 2', 'Button 3 + 4', 'Button 5 + 6', and a 'Start Up' button. The main content area for the Knob section includes input fields for 'Min Vol:', 'Max Vol:', 'Current Vol:', and 'Vol Wildcard:'. A 'Save' button is located below these fields. A note states: 'This wildcard indicates Volume amount you set, it can be used for RS232 or TCP/IP commands.' Below this, there are three buttons: 'Vol- (Turn Left)', 'Press Down Setting', and 'Vol+ (Turn Right)'. An 'Event List' table is shown with columns for 'No.', 'TCP/IP', and 'Event Name'. The first row shows 'No. 1', 'TCP/IP: 192.168.0.178', and 'Event Name'. Below the table, there are input fields for 'IP:', 'Port: 22', 'Format: HEX', and 'Data(CMD):'. 'Save All' and 'Add Event' buttons are at the top right of the event list. At the bottom, there is a 'Log Off' button, the text 'iControl K06', and the 'infobit' logo.

- **Knob/Button:** Choose the knob or button to enter the event setting page.
- **Start up:** Click to enter the starts up event setting page.
- **Set the Knob events:** Turn Left, Press Down Setting or Turn Right

6.3.2 BUTTON



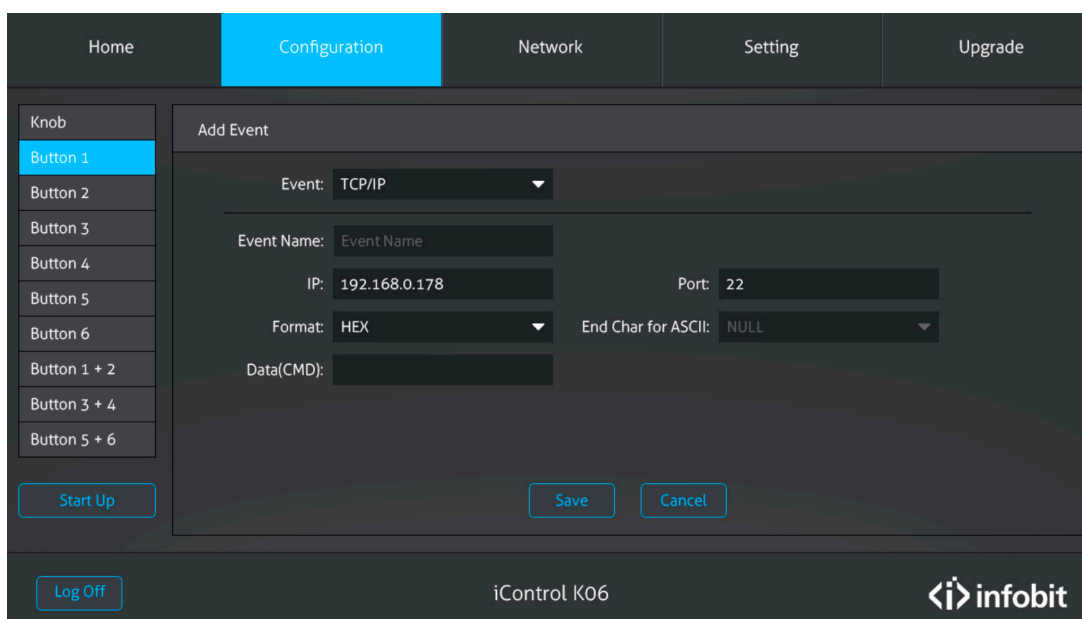
The screenshot shows the 'Configuration' tab in the iControl K06 interface. On the left, a sidebar lists 'Knob' and 'Button 1' (highlighted). The main area is titled 'Event List' and contains three event entries:

- No. 1 TCP/IP:** Event Name, IP: 192.168.0.178, Port: 22, Format: HEX, Data(CMD):, End Char for ASCII: NULL.
- No. 2 RS232:** Event Name.
- No. 3 LED:** Event Name.

Buttons for 'Save All' and 'Add Event' are in the top right. 'Start Up' and 'Log Off' buttons are at the bottom left. The footer shows 'iControl K06' and the 'infobit' logo.

- Click the Button 1 to set the button 1 event, click **Add Event** and then set the Event and the corresponding settings.
- One button can set multiple command events, such as TCP/IP, RS232, IR, RELAY, Delay and LED status.

6.3.3 TCP/IP



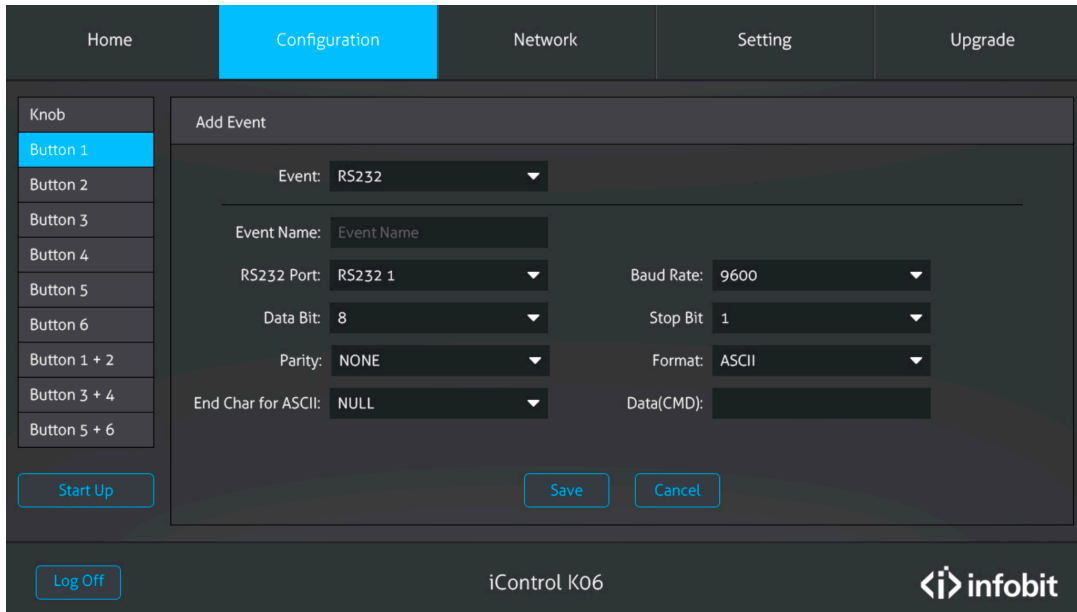
The screenshot shows the 'Add Event' dialog in the iControl K06 interface. The 'Event' dropdown is set to 'TCP/IP'. The fields are filled with:

- Event Name: Event Name
- IP: 192.168.0.178
- Port: 22
- Format: HEX
- End Char for ASCII: NULL
- Data(CMD):

'Save' and 'Cancel' buttons are at the bottom right. The sidebar on the left shows 'Button 1' highlighted. The footer shows 'iControl K06' and the 'infobit' logo.

- Set the TCP/IP event, such as IP, Port, Format, End Char for ASCII and Data

6.3.4 RS232



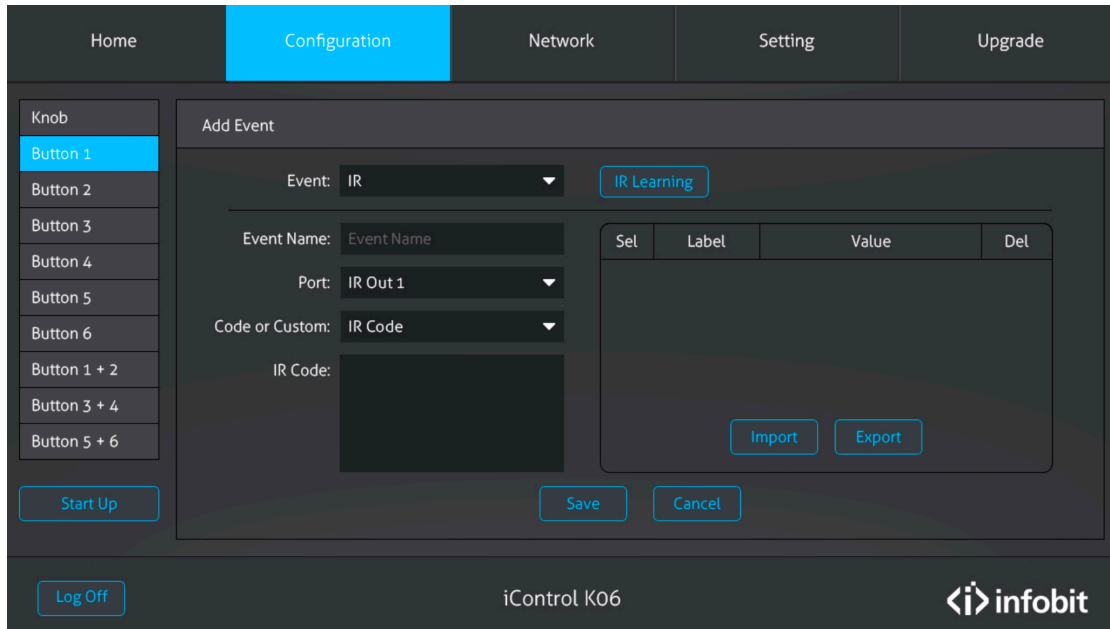
The screenshot shows the 'Configuration' tab of the iControl K06 interface. On the left sidebar, 'Button 1' is selected under the 'Knob' category. The main area is titled 'Add Event' and contains the following settings:

- Event: RS232
- Event Name: Event Name
- RS232 Port: RS232 1
- Baud Rate: 9600
- Data Bit: 8
- Stop Bit: 1
- Parity: NONE
- Format: ASCII
- End Char for ASCII: NULL
- Data(CMD):

At the bottom of the settings area are 'Save' and 'Cancel' buttons. Below the settings area is a 'Start Up' button. At the very bottom of the interface are a 'Log Off' button, the text 'iControl K06', and the infobit logo.

- Set the RS232 event, and then click save button to finish setting.

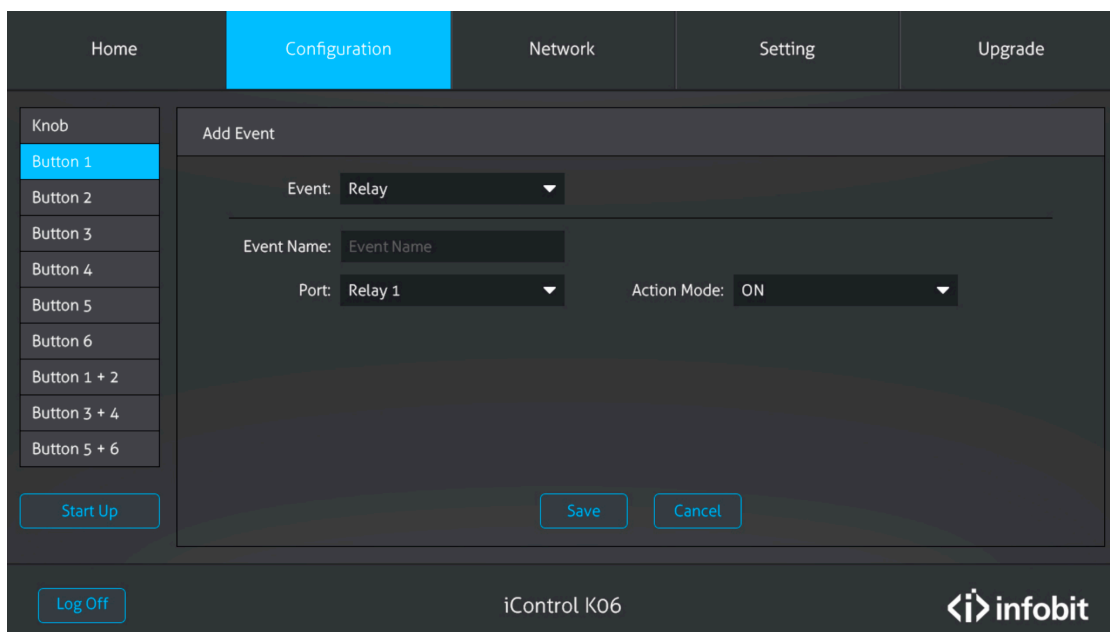
6.3.5 IR



The screenshot shows the 'Configuration' tab in the iControl K06 interface. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 5 + 6'. The main area is titled 'Add Event'. It features a dropdown menu for 'Event' set to 'IR', with an 'IR Learning' button next to it. Below this are fields for 'Event Name' (placeholder: Event Name), 'Port' (dropdown: IR Out 1), and 'Code or Custom' (dropdown: IR Code). An 'IR Code' input field is also present. To the right of these fields is a table with columns 'Sel', 'Label', 'Value', and 'Del'. Below the table are 'Import' and 'Export' buttons. At the bottom of the form are 'Start Up', 'Save', and 'Cancel' buttons. The footer includes a 'Log Off' button, the text 'iControl K06', and the 'infobit' logo.

- In IR event, user can import or export the IR command.
- Set the Event Name, Port, Code or Custom and IR Code for the event.
- Click Save button to finish setting.

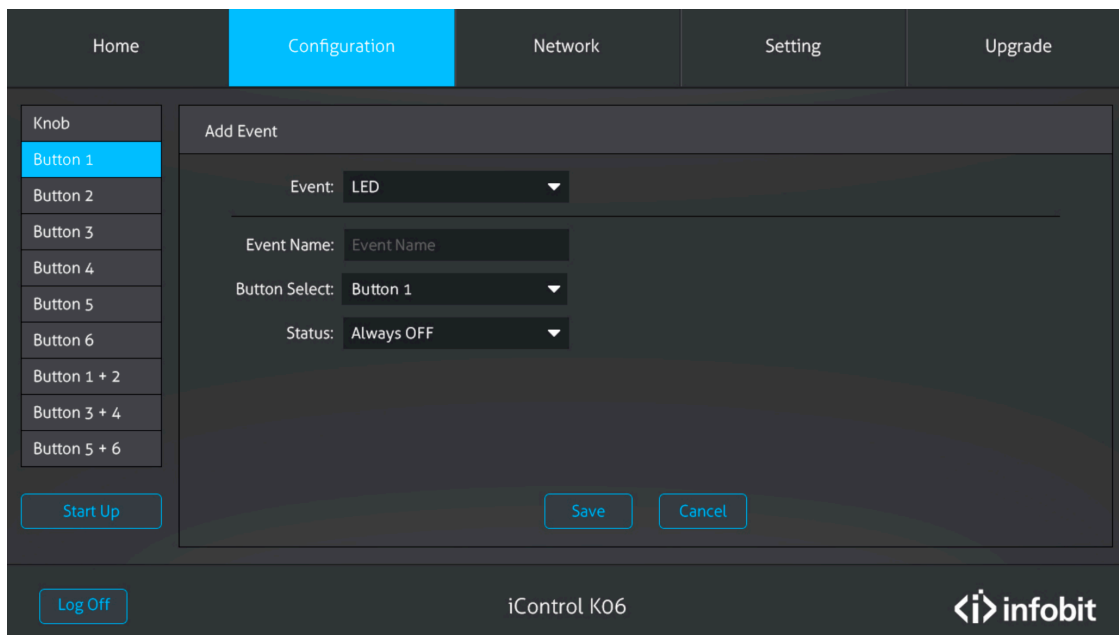
6.3.6 RELAY



The screenshot shows the 'Configuration' tab in the iControl K06 interface. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 5 + 6'. The main area is titled 'Add Event'. It features a dropdown menu for 'Event' set to 'Relay'. Below this are fields for 'Event Name' (placeholder: Event Name), 'Port' (dropdown: Relay 1), and 'Action Mode' (dropdown: ON). At the bottom of the form are 'Start Up', 'Save', and 'Cancel' buttons. The footer includes a 'Log Off' button, the text 'iControl K06', and the 'infobit' logo.

- Set the Event Name, Port and the Action Mode.
- Click Save button to finish setting.

6.3.7 LED



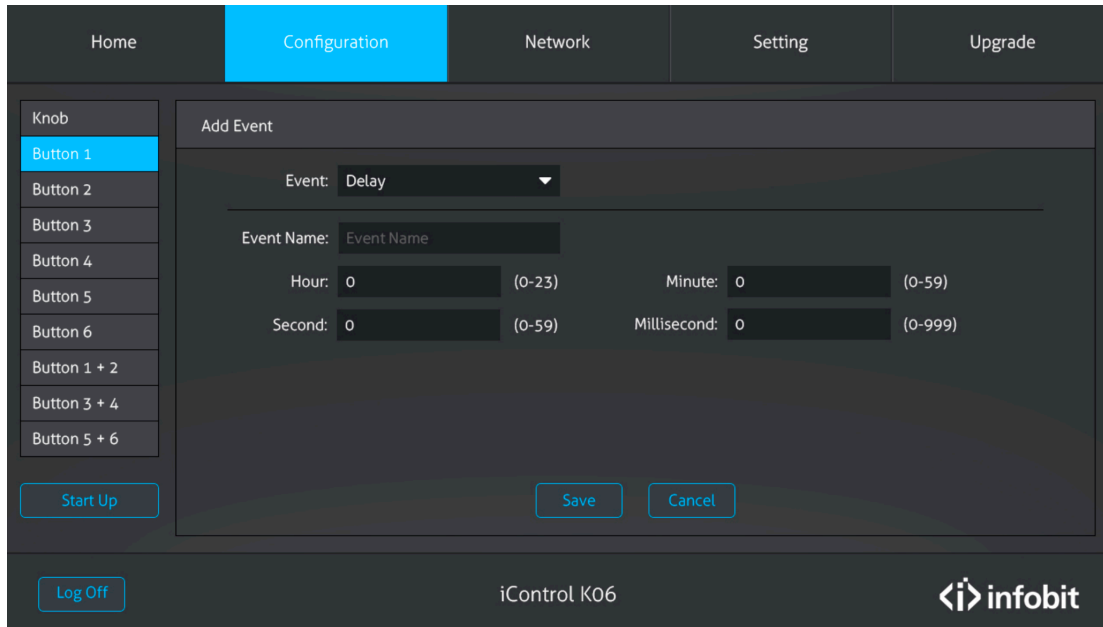
The screenshot shows the 'Configuration' tab selected in the top navigation bar. On the left, a sidebar lists various controls: Knob, Button 1 (highlighted), Button 2, Button 3, Button 4, Button 5, Button 6, Button 1 + 2, Button 3 + 4, and Button 5 + 6. Below this sidebar is a 'Start Up' button. The main area is titled 'Add Event' and contains the following fields:

- Event:** A dropdown menu with 'LED' selected.
- Event Name:** A text input field with the placeholder 'Event Name'.
- Button Select:** A dropdown menu with 'Button 1' selected.
- Status:** A dropdown menu with 'Always OFF' selected.

At the bottom of the form are three buttons: 'Start Up' (on the left), 'Save' (in the center), and 'Cancel' (on the right). The footer of the interface includes a 'Log Off' button on the left, the text 'iControl K06' in the center, and the 'infobit' logo on the right.

- Set the Event Name, Button Select, Status and LED Color.
- Click the Save button to finish setting.

6.3.8 DELAY



The screenshot shows the 'Configuration' tab selected in the top navigation bar. On the left sidebar, 'Button 1' is highlighted. The main area displays the 'Add Event' dialog. The 'Event' dropdown is set to 'Delay'. The 'Event Name' field is empty. The time settings are: Hour: 0 (0-23), Minute: 0 (0-59), Second: 0 (0-59), and Millisecond: 0 (0-999). At the bottom of the dialog are 'Save' and 'Cancel' buttons. The footer shows 'Log Off', 'iControl K06', and the 'infobit' logo.

- Set the delay event to trigger the event after how long to press.
- Click Save button to finish setting.

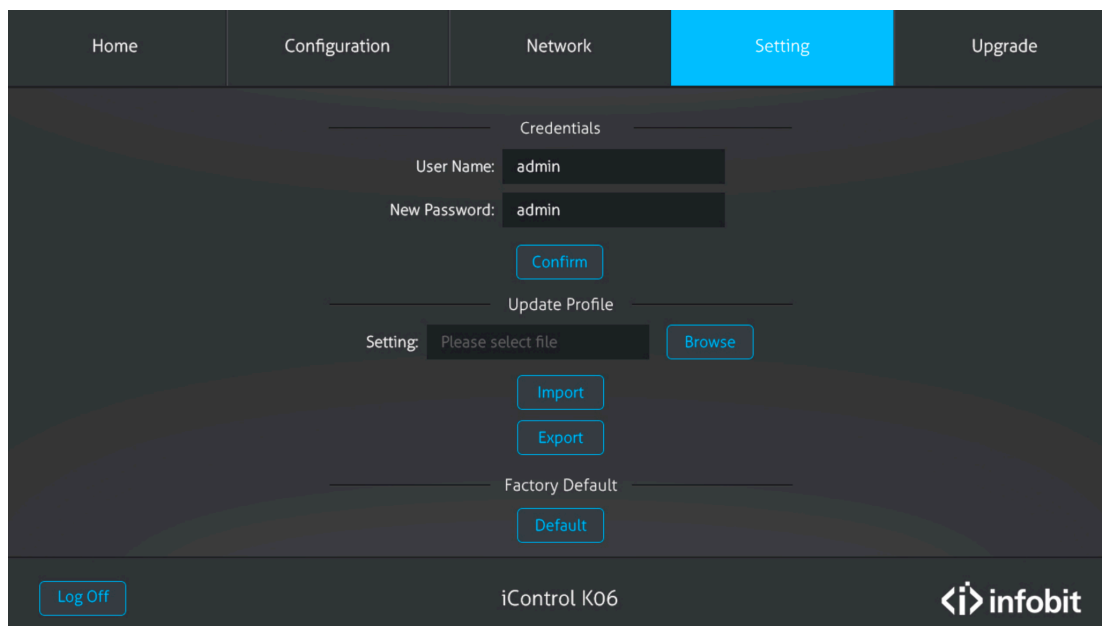
6.4 NETWORK



The screenshot shows the 'Network' tab selected in the top navigation bar. The main area displays the network configuration settings. The MAC Address is 44-33-4C-C9-35-12. The DHCP checkbox is checked, and the Static IP checkbox is unchecked. The IP Address is 192.168.0.178, the Subnet Mask is 255.255.255.0, and the Gateway is 192.168.0.1. A 'Confirm' button is at the bottom. The footer shows 'Log Off', 'iControl K06', and the 'infobit' logo.

- Select dynamic or static IP mode. Under static mode, then IP Address, Subnet Mask and Gateway can be reset.

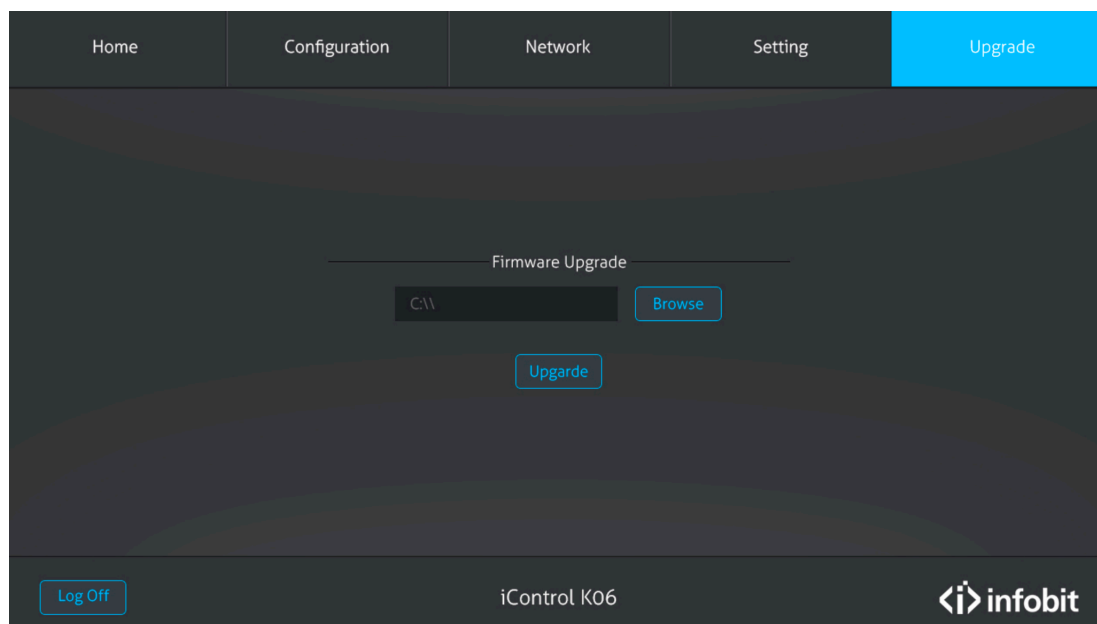
6.5 SETTING



The screenshot displays the 'Setting' tab in the iControl K06 web interface. The top navigation bar includes 'Home', 'Configuration', 'Network', 'Setting' (highlighted in blue), and 'Upgrade'. The main content area is divided into three sections: 'Credentials', 'Update Profile', and 'Factory Default'. The 'Credentials' section has input fields for 'User Name' (admin) and 'New Password' (admin), with a 'Confirm' button below. The 'Update Profile' section has a 'Setting' dropdown menu (Please select file), a 'Browse' button, and 'Import' and 'Export' buttons below. The 'Factory Default' section has a 'Default' button. At the bottom left is a 'Log Off' button, and at the bottom center is the text 'iControl K06'. The infobit logo is at the bottom right.

- **Credentials:** setting the user name and new password and then click confirm button to perform the modification.
- **Update Profile:** Import or export the setting file to implement the system configuration.
- **Factory Default:** Click Factory reset.

6.6 UPGRADE



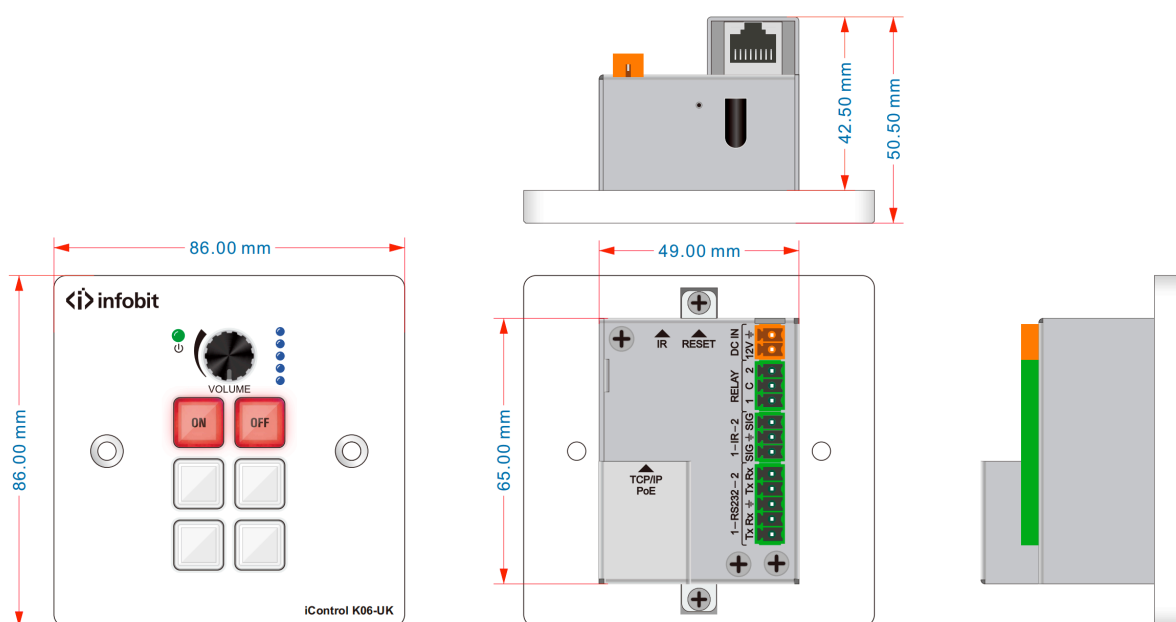
- Firmware Upgrade: click the browse to choose the upgrade file (the file need to be 6 Buttons IP Control Panel renamed as “K06.app”) and then click upgrade to execute upgrade.

7. SPECIFICATION

Model	iControl K06-UK
Name	6 Keys Control Keypad, UK version
Program Port	TCP/IP
Output Port	2x RS232, 2x IR, 2x Relay
Output Connector	2x 3-Pin Pluggable terminal blocks, 2x 2-Pin Pluggable terminal blocks
Baud Rate	9600 baud, supports 9600, 19200, 38400, 57600, 115200
Power Consumption	2.5W (Max)

Operation Temperature	0 ~ +40°C
Storage Temperature	-10 ~ +55°C
Relative Humidity	10% ~ 90%
Power Supply	Input: 12VDC, PoE
Net Weight	235g
Case Dimensions	86mm x 86mm x 50.5mm, WHD

8. PANEL DRAWING



9. CUSTOMER SERVICE

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.



1) Warranty

The limited warranty period of the product is fixed three years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusions:

- Warranty expiration.
- Factory applied serial number has been altered or removed from the product.
- Damage, deterioration or malfunction caused by:
 - ✓ Normal wear and tear.
 - ✓ Use of supplies or parts not meeting our specifications.
 - ✓ No certificate or invoice as the proof of warranty.
 - ✓ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
 - ✓ Damage caused by force majeure.
 - ✓ Servicing not authorized by distributor.
 - ✓ Any other causes which does not relate to a product defect.
- Shipping fees, installation or labor charges for installation or setup of the product.

4) Documentation:

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defeat has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Remarks: For further assistance or solutions, please contact your local distributor.