

ute TF6P-EU 6 Buttons IP Control Panel User Manual

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ute TF6P-EU 6 Buttons IP Control Panel



The TF6P-EU is a 6 button IP control panel that can be programmed to send RS232 commands to control projectors, screens, and other third-party devices. This product is manufactured by U.T.E. electronic GmbH & Co. KG.

Product Usage Instructions

1. Read the user manual carefully before using the product. The pictures shown in the manual are for reference only, and different models and specifications are subject to the real product.
2. Use the product for its intended purpose only and follow basic safety precautions to reduce the risk of fire, electrical shock, and injury to persons.
3. Do not dismantle the housing or modify the module as it may result in electrical shock or burn.
4. Use only supplies or parts that meet the product's specifications to avoid damage, deterioration, or malfunction.
5. Refer all servicing to qualified service personnel.
6. Install the device in a place with fine ventilation to avoid damage caused by overheating.
7. Program the buttons to send RS232 commands to control projectors, screens, and other third-party devices as per your requirement.

For maintenance assistance, please contact the local distributor. The functions described in this version were updated till August 2022. In the constant effort to improve the product, U.T.E. electronic GmbH & Co. KG reserves the right to make function or parameter changes without notice or obligation. Please refer to your dealers for the latest details. All product functions are valid till 2022-08.

The product model and logo are trademarks of U.T.E. electronic GmbH & Co. KG. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent.

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. It 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 commercial installation. Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference. Any changes or modifications not expressly approved by the manufacturer would void the user's authority to operate the equipment.

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product. This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till August, 2022. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

All product function is valid till 2022-08.

Trademarks



Product model and logo electronic gmbh & co.kg are trademarks of U.T.E. electronic GmbH & Co. KG. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent.

FCC Statement

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. It 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 commercial installation. Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference. Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

SAFETY PRECAUTIONS

To ensure 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 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.

Product Introduction

Introduction to TF6P-EU

The Wallplate Control Panel TF6P-EU has (2) built-in programmable RS232 connectors and (2) Infrared (IR) connectors. The Programmable Control Panel TF6-P-EU 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.

Features

- Six customizable control buttons
- One volume control knob
- Support IR, RS232 and TCP/IP control
- Can be controlled and configured via GUI
- Can be powered by PoE

Package List

- **1 x TF6P-EU:** Programmable 6 Buttons Wallplate IP Control Panel
- 6 x Button caps
- 1 x 5-Pin Pluggable terminal block
- 2 x 3-Pin Pluggable terminal block
- 1 x 2-Pin Pluggable terminal blocks
- 1 x Button label
- 1 x User manual

Note: Please contact your dealer immediately if you found any damage or defect in the components.

Panel Description

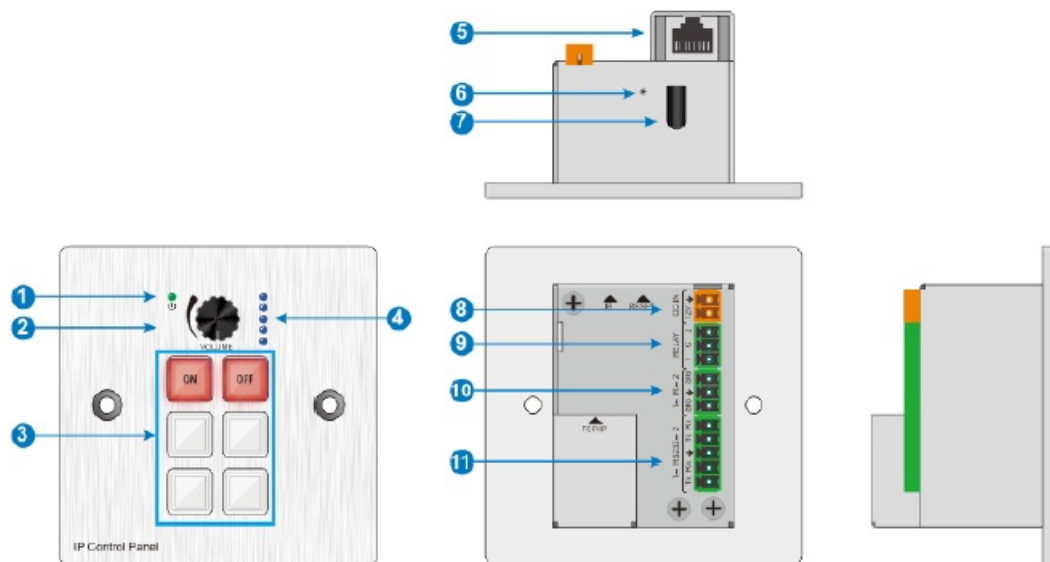
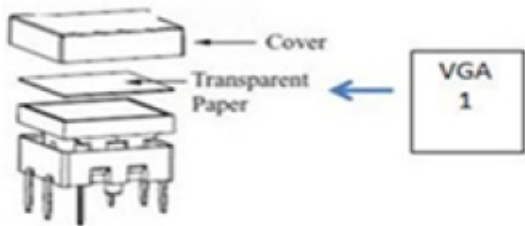


Figure 2-1 Panel Description TF6P-EU

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	<p>(6) crystal and luminescent programmable buttons:</p> <p>Each button can be programed with the Control Panel Software.</p> <p>Each label within a button can be easily changed. Simply select the label you need and change it as shown below:</p> 

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	Two groups of Relay Control, share a common switch interface, default ON
10	IR	Two sets of IR OUT, share a ground port, 5V standard, connect to the infrared emitting rod

11	RS232	2 RS232 ports. Connect the third-party devices which are need to be controlled via the TF6P.
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Note: Pictures shown in this manual are for reference only, different model and specifications are subject to real product.

System Connection

The TF6P-EU can active different ports at one time. It means every button can send the RS232 commands, IR code at the same time.

Usage Precaution

- Make sure all components and accessories included before installation.
- System should be installed in a clean environment with proper temperature and humidity.
- All of the power switches, plugs, sockets, and power cords should be insulated and safe.

Connection Procedure

- **Step1.** Connect the TF6P-EU to the LAN port of (Wireless) Router, or control device (such as PC) to TCP/IP port.
- **Step2.** Connect the third-party devices (such as Matrix Switcher, Scaler Switcher or Projector) that need to be controlled to RS232 (1) ~RS232 (3) ports.
- **Step3.** Connect the IR Emitters to IR (1) ~ IR (2) ports.
- **Step4.** Connect to the third-party devices that need to be controlled by relay

System Diagram TF6P-EU

The following figure shows a typical application that can be realized with 6 Buttons IP Control Panel TF6P-EU:

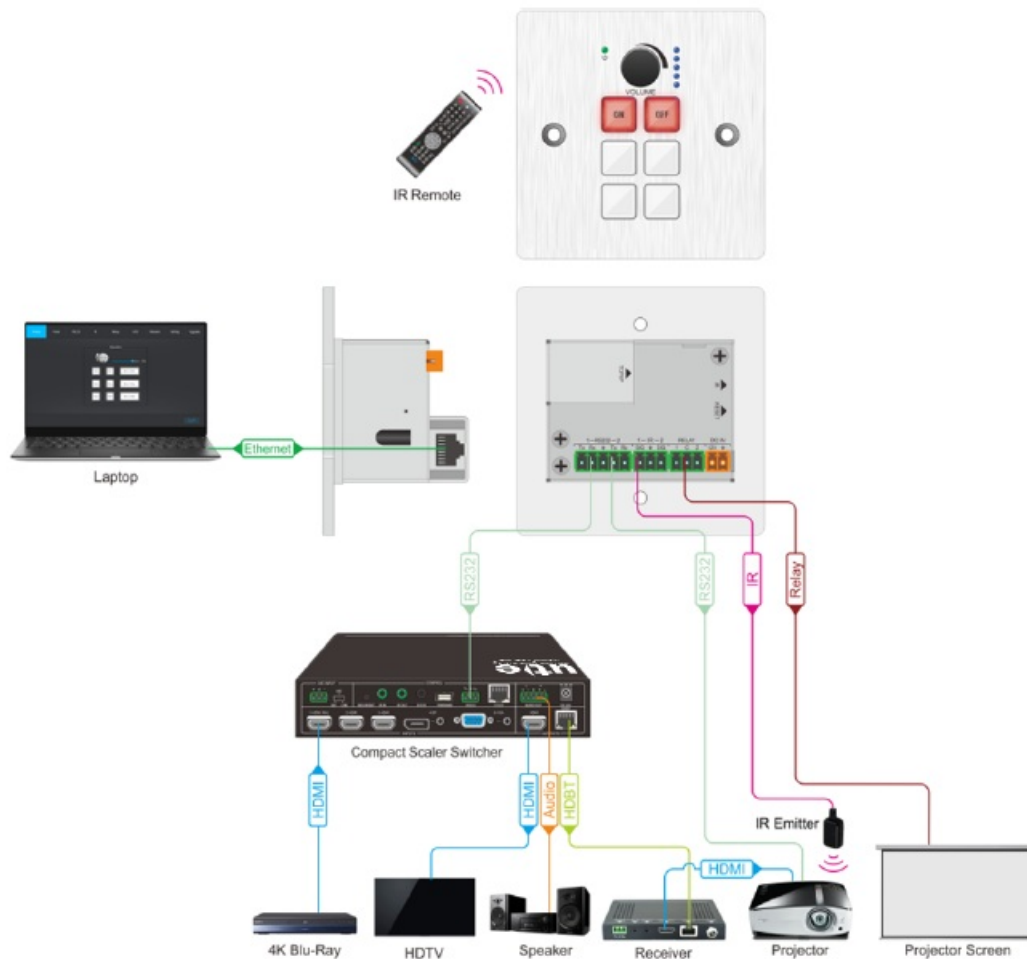


Figure 3-1 Connection and System Diagram

Note: Pictures shown in this manual are for reference only, different model and specifications are subject to real product.

GUI Control

TF6P-EU provides with built-in GUI for convenient TCP/IP control. GUI allows users to interact with TF6P-EU through graphical icons and visual indicators.

Log in

The TF6P-EU is controlled by TCP/IP.

The default IP settings are:

- **IP Address:** 192.168.0.178
- **Subnet Mask:** 255.255.255.0

Type 192.168.0.178 in your browser, it will enter the log-in interface shown as below:



- **Username:** admin
- **Password:** admin

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

Home Tab



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

Configuration Tab

Knob Menu

- **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

Button Menu

- 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

Add Button Event

Add TCP/IP Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, there is a sidebar with 'Knob' and 'Button 1' through 'Button 6', along with combinations like 'Button 1 + 2'. The main area is titled 'Add Event'. The 'Event' dropdown is set to 'TCP/IP'. Below it, the 'Event Name' field is empty. The 'IP' field contains '192.168.0.178' and the 'Port' field contains '22'. The 'Format' dropdown is set to 'ASCII' and the 'End Char for ASCII' dropdown is set to 'NULL'. The 'Data(CMD)' field is empty. At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

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

ADD RS232 Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, there is a sidebar with 'Knob' and 'Button 1' through 'Button 6', along with combinations like 'Button 1 + 2'. The main area is titled 'Add Event'. The 'Event' dropdown is set to 'RS232'. Below it, the 'Event Name' field is empty. The 'RS232 Port' dropdown is set to 'RS232 1', the 'Baud Rate' dropdown is set to '9600', the 'Data Bit' dropdown is set to '8', and the 'Stop Bit' dropdown is set to '1'. The 'Parity' dropdown is set to 'NONE' and the 'Format' dropdown is set to 'ASCII'. The 'End Char for ASCII' dropdown is set to 'NULL' and the 'Data(CMD)' field is empty. At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

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

Add IR Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 5 + 6'. The main area is titled 'Add Event'. The 'Event' dropdown is set to 'IR', with an 'IR Learning' button next to it. Below this, the 'Event Name' is a text input field. The 'Port' dropdown is set to 'IR Out 1'. The 'Code or Custom' dropdown is set to 'IR Code', with a corresponding text input field for the 'IR Code'. 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 'Save' and 'Cancel' buttons. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

- 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

Add Relay Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 5 + 6'. The main area is titled 'Add Event'. The 'Event' dropdown is set to 'Relay'. Below this, the 'Event Name' is a text input field. The 'Port' dropdown is set to 'Relay 1'. The 'Action Mode' dropdown is set to 'ON'. At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

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

Add LED Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 6', with 'Button 1' selected. The main area is titled 'Add Event'. It contains the following fields:

- Event:** A dropdown menu with 'LED' selected.
- Event Name:** A text input field containing '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 'Save' and 'Cancel' buttons. Below the form is a 'Start Up' button. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

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

Add Delay Event

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 6', with 'Button 1' selected. The main area is titled 'Add Event'. It contains the following fields:

- Event:** A dropdown menu with 'Delay' selected.
- Event Name:** A text input field containing 'Event Name'.
- Hour:** A text input field with '0' and a range '(0-23)'.
- Minute:** A text input field with '0' and a range '(0-59)'.
- Second:** A text input field with '0' and a range '(0-59)'.
- Millisecond:** A text input field with '0' and a range '(0-999)'.

At the bottom of the form are 'Save' and 'Cancel' buttons. Below the form is a 'Start Up' button. The footer of the page shows 'IP Control Panel' and a 'Log Off' button.

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

Network Tab

Home Configuration **Network** Setting Upgrade

MAC Address: 44-33-4C-C9-35-12

DHCP ☒ Static IP ☐

IP Address:

Subnet Mask:

Gateway:

IP Control Panel

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

Setting Tab

Home Configuration Network **Setting** Upgrade

Credentials

User Name:

New Password:

Update Profile

Setting:

Factory Default

IP Control Panel

- **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

Upgrade Tab



- **Firmware Upgrade:** click the browse to choose the upgrade file (the file need to be renamed as “WP6P.app”) and then click upgrade to execute upgrade.

Specification

Program Port	TCP/IP
Output Port	2 x RS232, 2 x IR, 2 x Relay
Output Connector	2 x 3-Pin Pluggable terminal blocks, 2 x 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	195g
Dimensions (W*H*D)	86mm x 86mm x 50.5mm

Panel Drawing

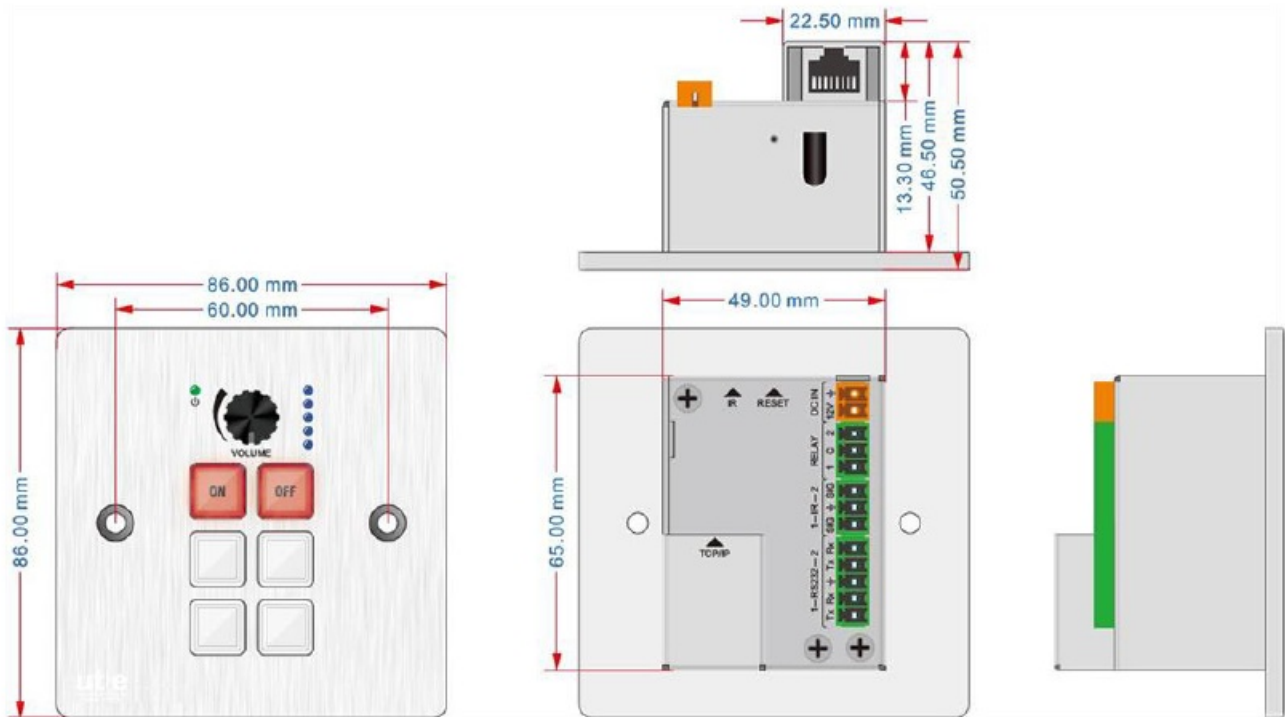


Figure 6-1 Panel Drawing TF6P-EU

After-sales/ Customer Service

Any transport costs are borne by the users during the warranty. 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.

Product Limited Warranty

We warrant that its products will be free from defects in materials and workmanship for two years, which starts from the first day you buy this product (The purchase invoice shall prevail). Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

Scope

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

What the warranty does not cover:

- 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.
- Any other causes which does not relate to a product defect
- Delivery, installation or labor charges for installation or setup of the product

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 dealer.

Technical Support: Email to our after-sales department or make a call, please inform us the following information about your cases.

- Product version and name.
- Detailed failure situations.
- The formation of the cases.

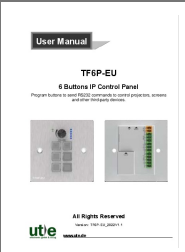
Remarks: For any questions or problems, please try to get help from your local dealer or our customer support (info@ute.de).

Contact

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- **Fax:** +49 (0)2302 / 28283-10
- **Email:** info@ute.de
- **Website:** www.ute.de

Documents / Resources

	<p>ute TF6P-EU 6 Buttons IP Control Panel [pdf] User Manual</p> <p>TF6P-EU 6 Buttons IP Control Panel, TF6P-EU, 6 Buttons IP Control Panel, IP Control Panel, Control Panel</p>
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References

- [▶ U.T.E. electronic | Pro AV- & IT-Großhandel – seit 1989](#)