

INSTALLATION MANUAL

TIS TITAN / TITANIA 2.4" LCD TOUCH PANEL

Model: TIT-TFT-BUS-K (3R), TIT-TFT-BUS-S-(3R)



i PRODUCT INFORMATION

The wall-mounted Titan/Titania panel series features luxury interfaces with 4 page layouts for lights (with 3 light buttons in each page and a total of 12 options), 2 pages for RGB colors, 8 pages for AC, and 2 pages for floor heating control. It also provides other features for music, curtains, moods, and security management. This series can monitor energy consumption, air quality, and weather station.

PRODUCT SPECIFICATIONS

	LCD	Size	2.4"
		Resolution	240*320 Pixels
		Contrast	600
		Viewing direction	120 degree
	Touch	Active area	2.5"
		Touch type	Capacitive
	Input	Temp sensor	Resistive temp sensor
		Dry inputs	2 Digital inputs
	Output	Model with relay -3R	3 Relay outputs 5A
	TIS Bus	Number of devices on 1 line	Max. 64
		Bus voltage	12-32 V DC
		Current consumption	<60 mA / 24 V DC
	Protection		Reverse Polarity Protection
			ESD Protection
	Connection terminal	Data and Digital Inputs	6 pushing pin type 1.5mm
		Relay Channels	4 pushing pin type 2.5mm
	Operating and display elements	LCD	TFT full color
		Touch buttons	2 touch buttons for menu selection
		Backlight	2 white indicators
		TIS bus	TIS protocol messages and commands
	Functions	Upgrading	Rs485 upgrade kit
		1 Press	ON/OFF/Scene
		Long Press	Dim or turn up the lights
		Double click	Extra scene
	Dimensions (Width x Length x Height)	Titan with the cover	90mm x 3mm x 86mm
		Titania with the cover	66mm x 3mm x 110mm
	Housing	Materials	PC fire proof / Glass in front
		Casing color	Aluminum, glass, or plastic frame
		Internal Parts color	Black
		IP rating	IP 50



BARCODE (UPC-A)



BARCODE (UPC-A)





Read Instructions

We recommend that you read this Instruction Manual before installation.



Data Cable

Use screened stranded RS485 data cable with four twisted pairs. Configure devices in a "Daisy Chain."
Do not cut or terminate live data cables.



Safety instructions

Electrical equipment should only be installed and fitted by electrically skilled persons. Failure to follow the instructions may cause damage to the device and other hazards. These instructions are an integral part of the product and must remain with the end customer.



Electrical Wires

The recommended wire size for light channels is 1.5mm - 2.5mm if you are using the 3R module type. The installer should consider the total current consumption when selecting the wires.



Programming

This device can be tested and programmed manually. Advanced programming requires knowledge of the TIS Device Search software and instruction in the TIS advanced training courses.



Warranty

There is a two-year warranty provided by law. The hologram warranty seal and product serial number are available on each device.



Simple Installation

Using 2 drywall screws, simply screw this panel to the wall. The Titan & Titania panels fit into the UK & US junction boxes respectively.



Mounting Location

Install in a dry, indoor area with a suitable temperature and humidity range.

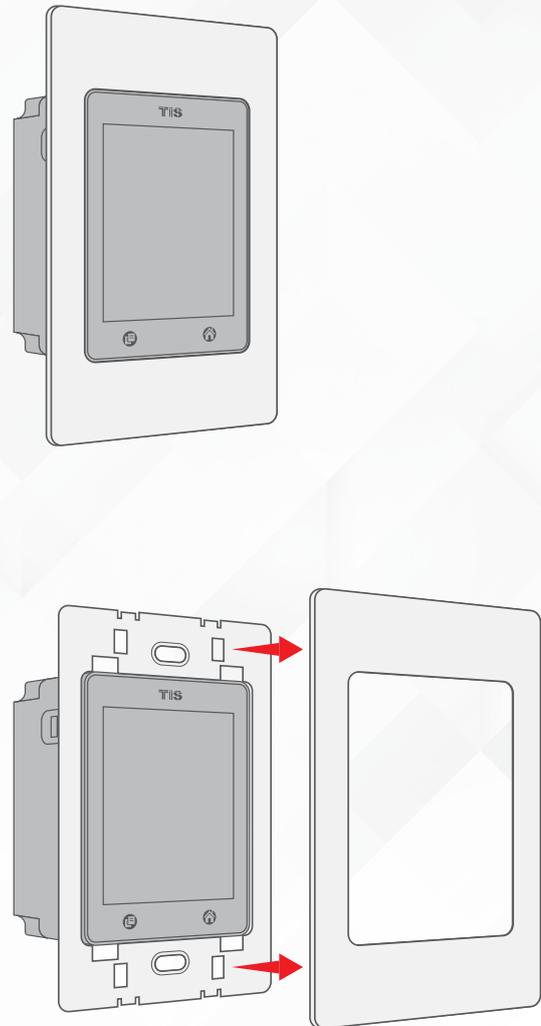


INSTALLATION STEPS

1 » Turn off the power source.

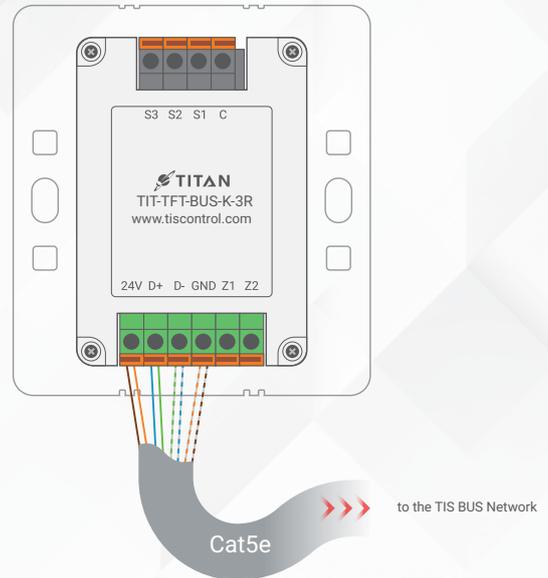


2 » Separate the plastic wall cover from the panel.

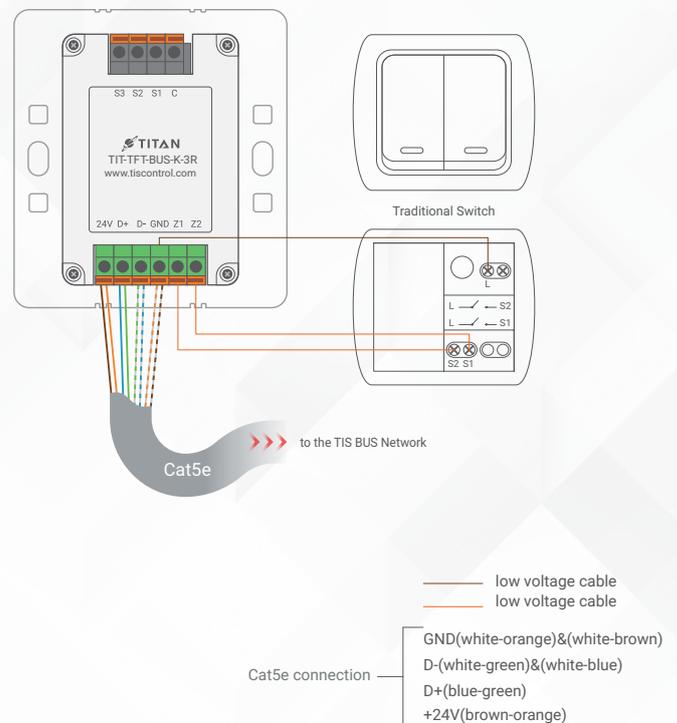


INSTALLATION STEPS

3 Insert the wires into the panel.
Connect the TIS-BUS connection to 24V+, D+, D- , and GND terminals as shown in the picture.



4 You can connect 2 digital inputs to any switch or window magnet. Connect the digital input wires to GND, Z1, and Z2 terminals, as is shown in the diagram.



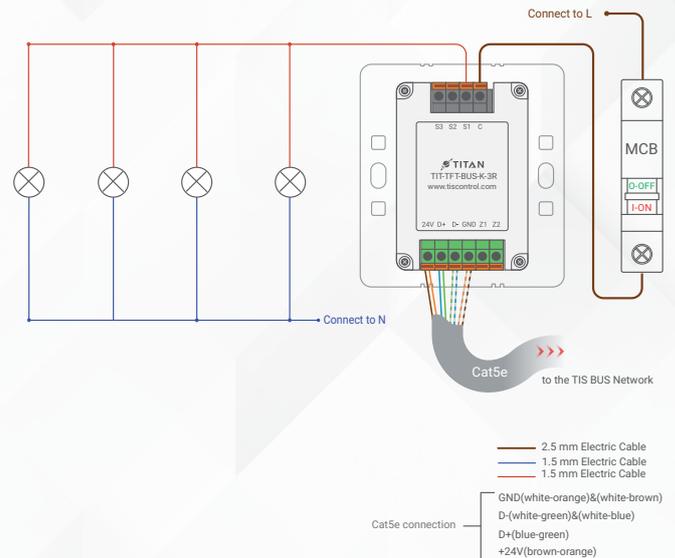
INSTALLATION STEPS

5 In the 3R type (panel with relays), connect the 110/220V to the COM terminal and the loads (lights) to the output terminals S1, S2, and S3 as follows:



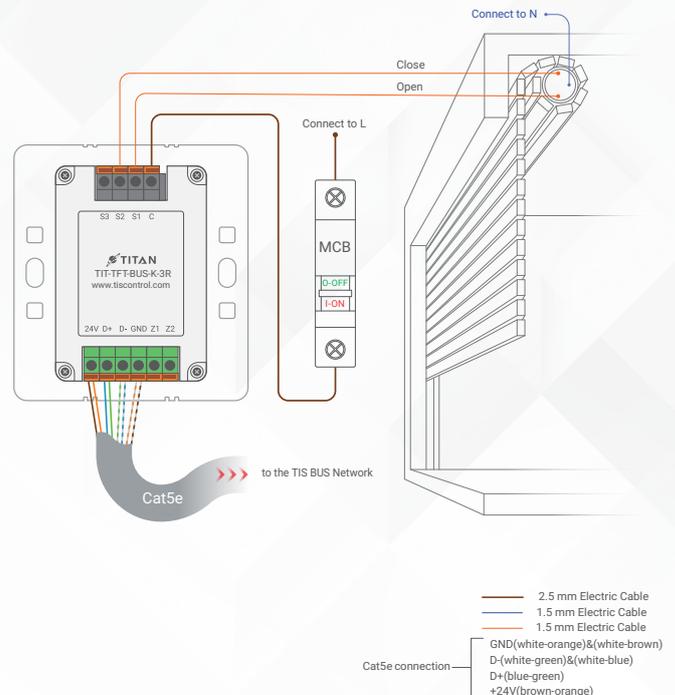
LIGHTING CONNECTION

- ▶ Connect the Live wire to COM
- ▶ Connect the Loads wire to S1-S3 terminals
- ▶ The load neutral wire must be linked to the main neutral wire in the distributor box.



SHUTTER / CURTAIN CONNECTION

- ▶ Connect the Supply wire to COM.
- ▶ Connect the Open wire to S1.
- ▶ Connect the Close wire to S2.
- ▶ The shutter neutral wire, if any, should be looped to the main neutral wire in the distributor box.



WARNING: Set the curtain function in the software before connecting the wires.

INSTALLATION STEPS

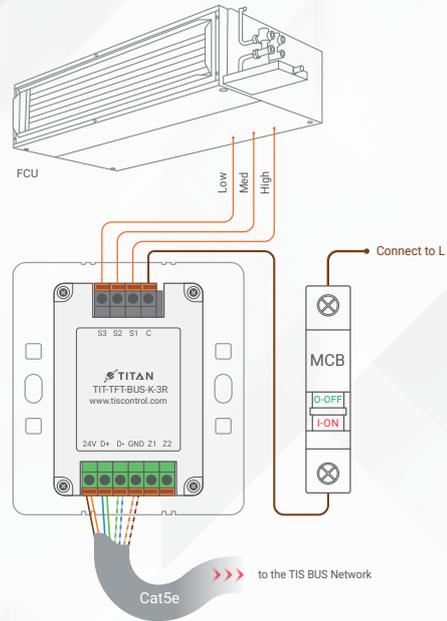


FCU CONNECTION

- ▶ Connect the supply wire to COM.
- ▶ Connect the Low, Medium, and High wires to S1, S2, and S3, respectively.



WARNING: Set the FCU function in the software before connecting the wires.



- 2.5 mm Electric Cable
 - 1.5 mm Electric Cable
 - 1.5 mm Electric Cable
- Cat5e connection —
- GND(white-orange)&(white-brown)
 - D-(white-green)&(white-blue)
 - D+(blue-green)
 - +24V(brown-orange)

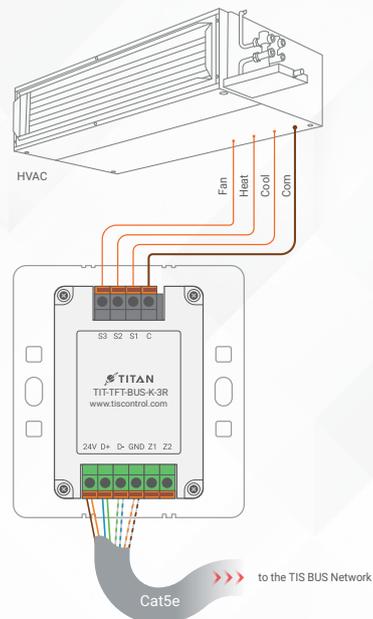


HVAC CONNECTION

- ▶ Connect the HVAC supply wire to COM.
- ▶ Connect the Cool, Heat, and FAN wires to S1, S2, and S3, respectively.



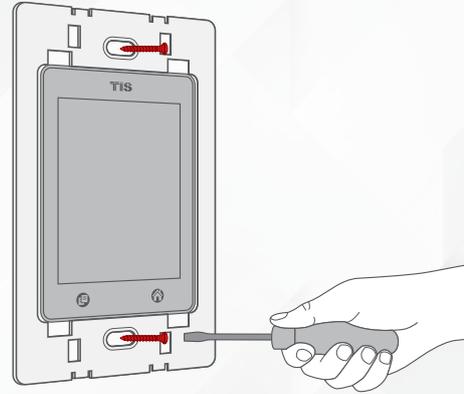
WARNING: Set the HVAC function in the software before connecting the wires.



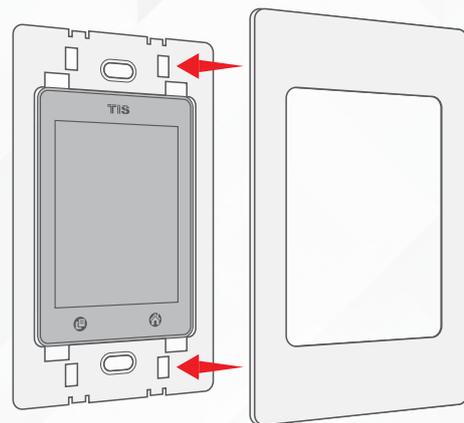
- 2.5 mm Electric Cable
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- Cat5e connection —
- GND(white-orange)&(white-brown)
 - D-(white-green)&(white-blue)
 - D+(blue-green)
 - +24V(brown-orange)

INSTALLATION STEPS

6 » Mount the device on the wall using 2 screws on the junction box.



7 » Put the plastic, metal, or glass cover on the main panel and push to fix it in the place.



8 » Turn on the power source. The panel should turn on.

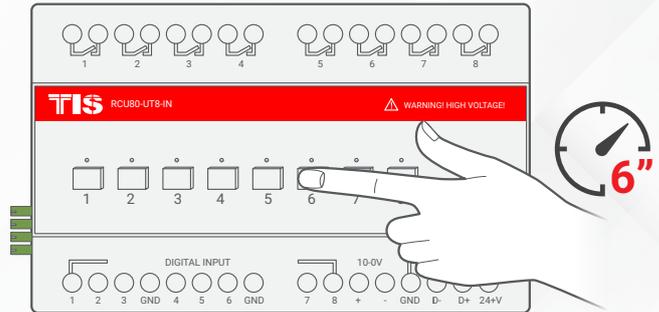


PAIRING (MANUAL PROGRAMMING)

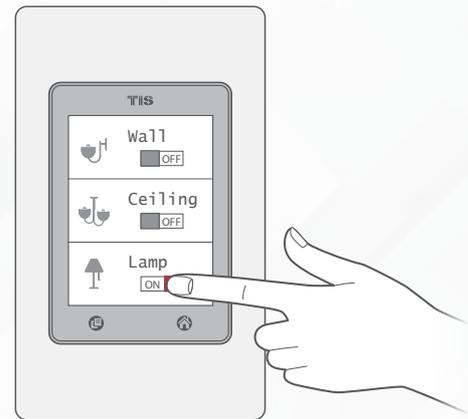
LIGHTS / SHUTTERS PROGRAMMING

You can pair the light channels with any wall panel. To do so, follow these steps:

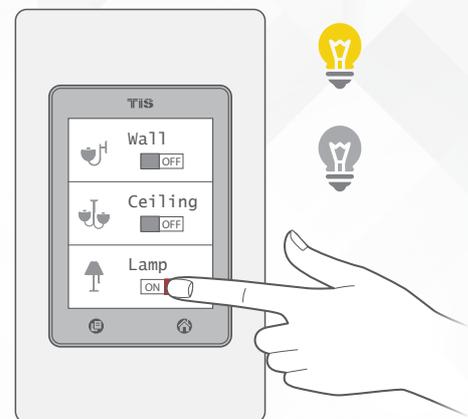
1 Press any channel button on any relay or dimmer module for 6 seconds so that the LED indicator light of that button starts blinking.



2 On the Titan/Titania lights pages, shortly tap on any button or press the wall switch that is connected to the dry inputs of the panel addition zones.



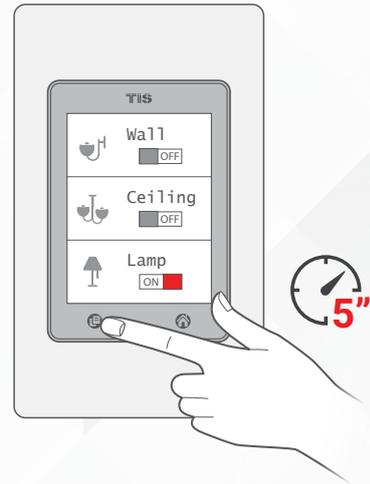
3 Test the feature by tapping the button for lights ON/OFF or holding it to dim the light (if the channel is dimmable).



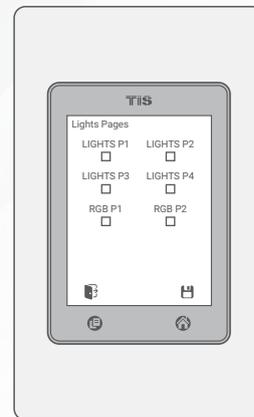
PAIRING (MANUAL PROGRAMMING)

SHOW/HIDE THE LIGHTS PAGES

1 You can show/hide the lights pages by holding your finger on the page layout button (left button under the LCD) for 5 seconds.



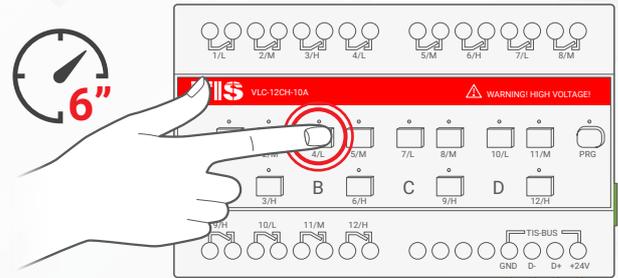
2 A new page will appear, and you can choose to show/hide lights and RGB pages by checking or unchecking each.



PAIRING (MANUAL PROGRAMMING)

FCU PROGRAMMING

1 To program the FCU with any wall thermostat panel, press and hold the first Channel L (LOW) button for 6 seconds. The LED indicator of the pressed button will start blinking.



2 On the Titan/Titania AC page, turn the AC ON.



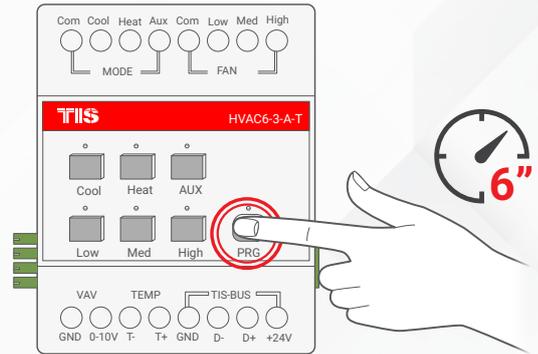
3 Test your air conditioning by changing the fan speed from low to medium to high. Your relay should respond accordingly.



PAIRING (MANUAL PROGRAMMING)

HVAC PROGRAMMING

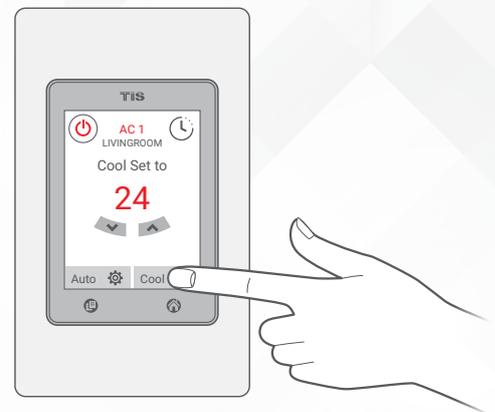
1 Press the PRG button on the HVAC module for 6 seconds until the green LED turns on and remains steady.



2 On the Titan/Titania AC page, turn the AC ON.



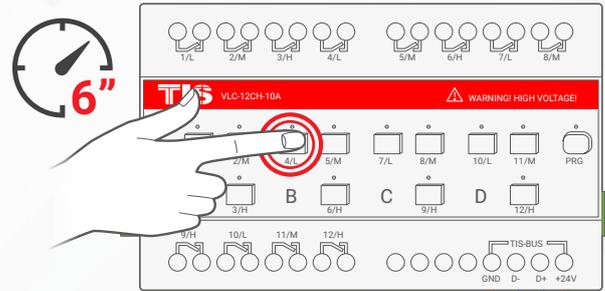
3 Test your air conditioning by changing the mood, heat/cool, and fan speed from low to medium to high. The HVAC module should respond accordingly.



PAIRING (MANUAL PROGRAMMING)

FLOOR HEATING PROGRAMMING

1 Press any button on any relay or dimmer module channel for 6 seconds so that the LED indicator light of that button starts blinking.



2 On the Titan/Titania floor heating page, turn the floor heater ON.



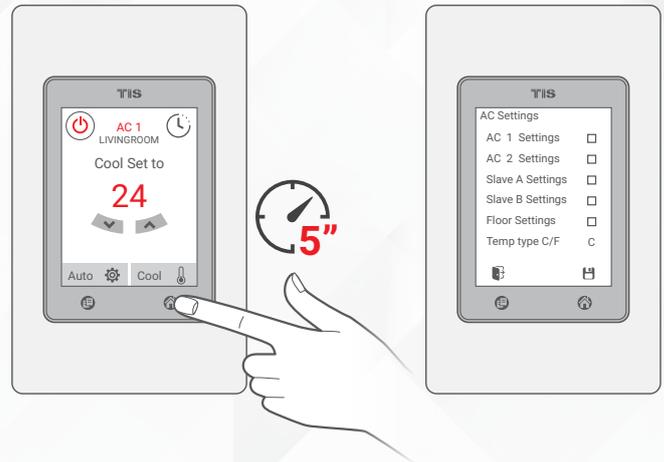
3 Test your floor heating by changing the temperature; the relay should respond accordingly.



PAIRING (MANUAL PROGRAMMING)

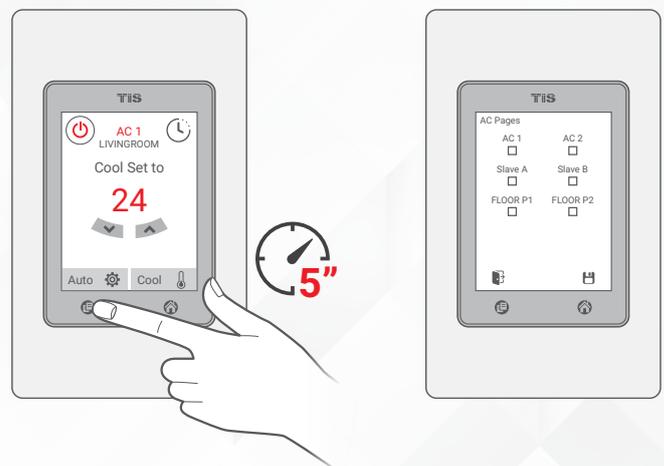
CHANGING A/C SETTINGS

You can change AC1 and AC2 page settings, such as C/F temperature type, and disable or enable fan speeds and AC moods by tapping and holding the AC home button (second icon under the LCD) for 5 seconds, and selecting the AC1 or AC2, changing the settings, and saving the changes.



SHOW/HIDE THE AC PAGES

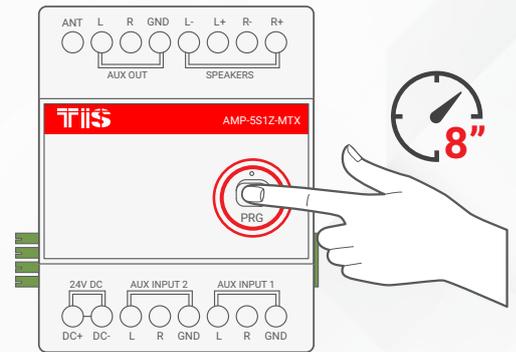
You can show or hide AC pages by holding your finger on the page layout button for 5 seconds. Then, a new page will appear, and you can choose to show/hide the AC master-slave and the floor heating pages.



PAIRING (MANUAL PROGRAMMING)

MUSIC PROGRAMMING

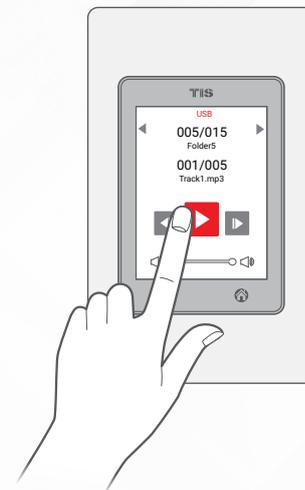
1 Long press the PRG buttons on the Audio Matrix for 8 seconds. The PRG LED indicator will start blinking.



2 On the Titan/Titania music page, select the play button on the radio or USB/SD card source.



3 Wait a few seconds and then try to play the source; the amplifier should react to the panel commands.



PAIRING (MANUAL PROGRAMMING)

MUSIC PROGRAMMING

4 You can change the and play mode, maximum volume, and repeat mode by tapping and holding the page layout button (first icon under the LCD) for 5 seconds.

5 On the new page, follow the options and settings displayed on the screen.



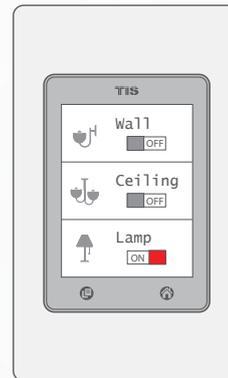
PAIRING (MANUAL PROGRAMMING)

SCENARIO PROGRAMMING

Your solution is capable of operating preprogrammed scenes in various occasions. On the main menu, find the Moods icon and select to operate different moods.

To program a mood, please do as following:

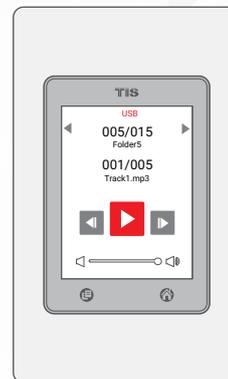
1 Set the lights brightness level, ON/OFF, and RGB color on lights pages 1, 2, and 3 and RGB1 and RGB2 based on your likes.



2 Set your desired setting for the air condition and floor heating.



3 Play your favorite music or radio channel at the specific volume you want.



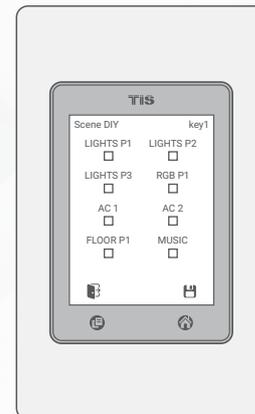
PAIRING (MANUAL PROGRAMMING)

SCENARIO PROGRAMMING

4 Go to the Mood page, tap and hold the respective mood icon for 12 seconds.



5 A new window will appear to show you the options you want to save in your mood. You can select what page settings you want to include, such as light pages 1, 2, and 3, RGB, AC, floor heating, and music. You can set your mood just to control lights or AC or music or to control them all together. Once you've selected your settings, select Save.



6 The scene is programmed on the held button. Now you can test it with a single tap.



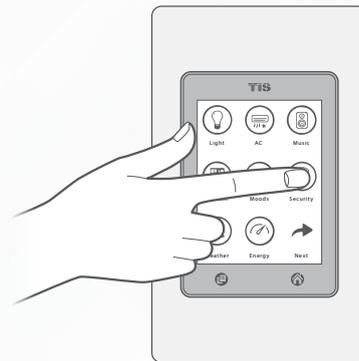
OTHER SETTINGS

CHANGING YOUR SECURITY PASSWORD

You can change the default security page password “1234” and the default duress password “9999” to new passwords.

To change the passwords, you need to complete the following steps:

1 Go to the Security page.



2 Select and hold the page layout button for 5 seconds until a new page appears.



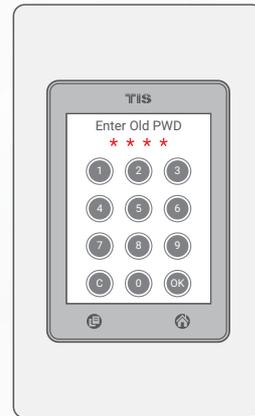
3 Tap on Change Password to change the arm/disarm password, or tap and hold Change Password for 5 seconds to change the duress password.



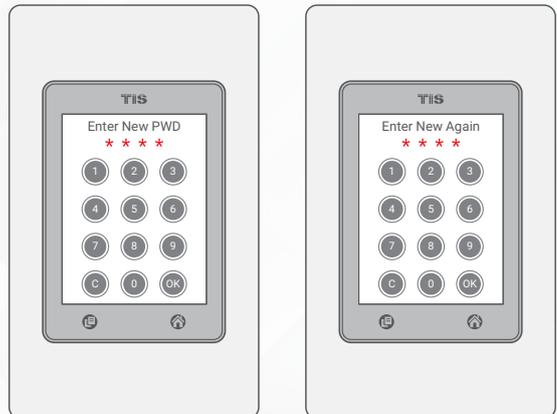
OTHER SETTINGS

CHANGING YOUR SECURITY PASSWORD

1 Type the old password.



2 Type the new password and then save.





USER OPERATION



USING THE PANEL MENU

The interface menu allows you to control and monitor available features such as lights, AC, curtain, and more.

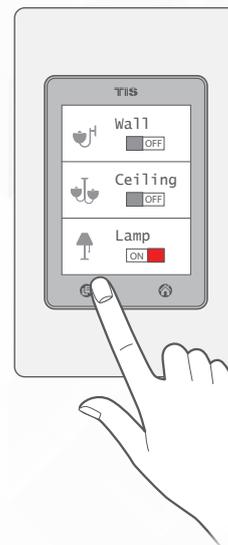
Use the page layout button  (left button under the LCD) to navigate between different pages and open more options menus.

Use the Home button  (right button under the LCD) to go back to the panel's main menu.



LIGHTS CONTROL

When you select the Lights icon on main menu, the lights page will appear featuring icons that can be used to turn ON/OFF, dim, or set the RGB lights. Using the page button under the LCD, you can go through the Lights Page 1 ► Page 2 ► Page 3 ► Page 4 ► RGB Page 1 ► RGB Page 2.



USER OPERATION

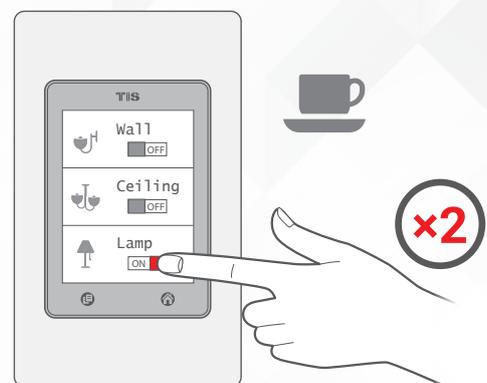
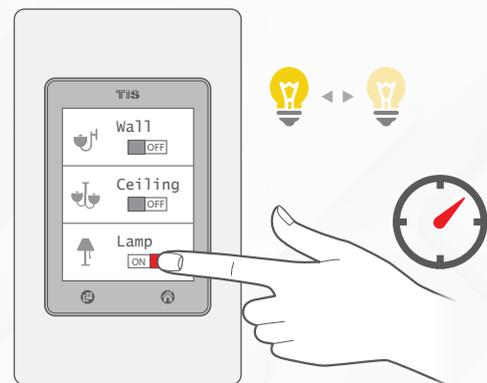
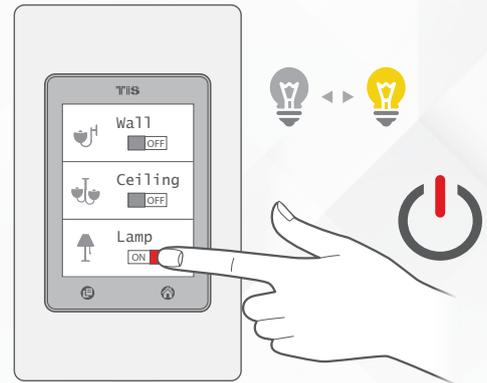
LIGHTS CONTROL

Each lights page has 3 icons. You can select the icons to control lights as follows:

» Single tap to turn a light ON/OFF or to activate a scene.

» Tap and hold to dim or ramp up light intensity.

» Double tap to trigger a special programmed scene.



USER OPERATION

LIGHTS CONTROL

» In each RGB page, there are three Favorite options to set the desired light's color. You can choose a color and then select ON to operate it.

» To save a favorite color, first, select the color, and then tap and hold FAV1, FAV2, or FAV3 for 6 seconds.

» The FAV button color will change to the desired one once you successfully save it.



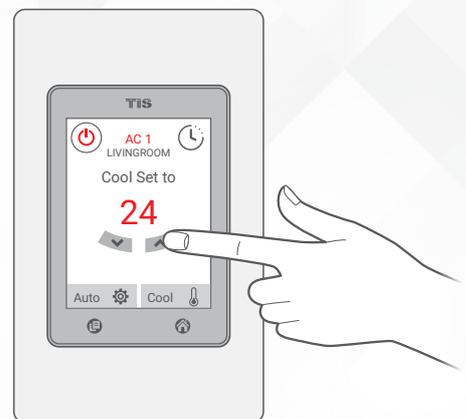
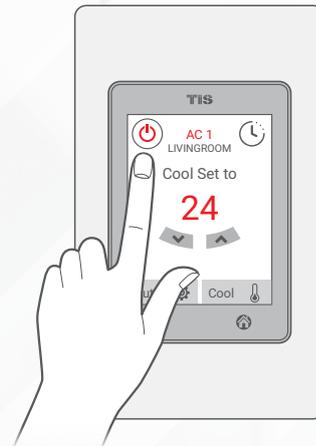
USER OPERATION

A/C CONTROL

Using the page button under the LCD, you can go through the AC page 1-2, Slave AC page 1-2, and floor heater page 1-2.

» In each AC page, you can control your air conditioning ON/OFF by selecting the ON/OFF button.

» You can increase or decrease the set temperature and change the fan speed and AC modes.

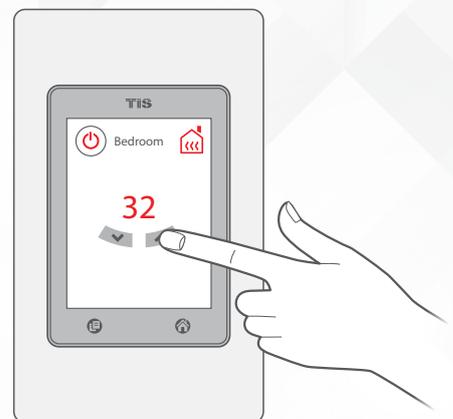
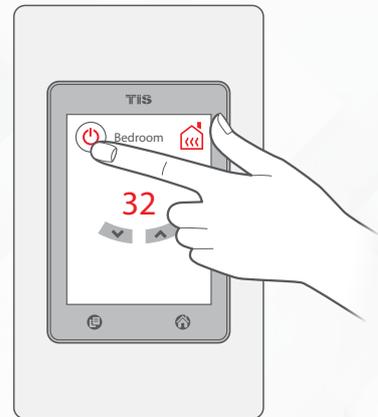


USER OPERATION

A/C CONTROL

» You can also set a timer to turn the AC ON/OFF by selecting the timer and tapping the clock feature as many times as required.

» The floor heating pages enable you to change the preset temperature and use the power option to turn ON/OFF your heater.



USER OPERATION

MUSIC CONTROL

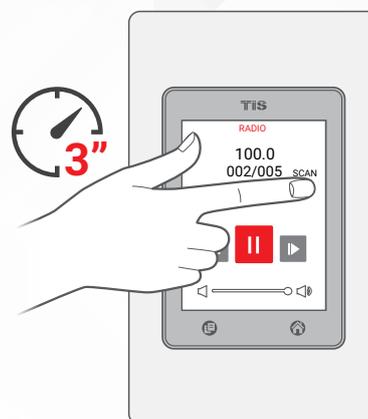
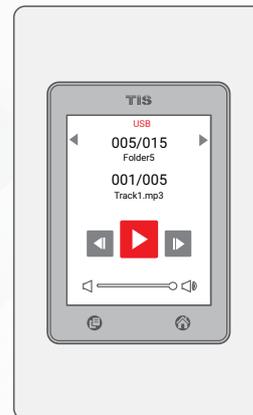
» From the Main menu, select the music icon to open a page featuring your sources such as SD card, USB, FM Radio, Auxiliary, or TV control.

» USB/SD

USB and SD control pages let you play the next or previous album and track, and you can increase or decrease the volume.

» FM RADIO

In FM radio, you can scan the channels by tapping and holding the scan option for 3 seconds. The radio will start searching, and it may take a couple of minutes to finish scanning. Then, you can select the scanned channel and play or stop the radio. You can also change the volume.



USER OPERATION

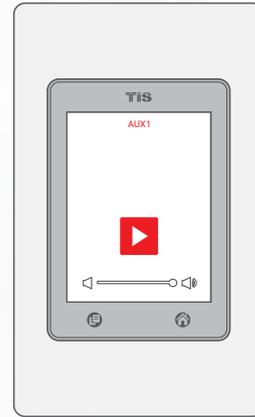
MUSIC CONTROL

AUX

In Auxiliary inputs, you can play, stop, and change the volume.

TV

In TV control, you can send infrared commands to control your TV using the related icons.

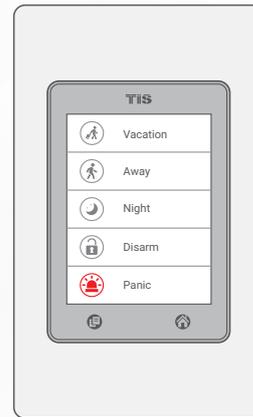


USER OPERATION

SECURITY ARMING/DISARMING

» Find Security in the LCD menu and use it to arm your system via vacation, away, or night modes, or to disarm it when needed. Please note that you need a password to be able to arm/disarm your system. The default password is 1234, and the default duress password is 9999.

» To trigger the panic button, you need to tap and hold it for 3 seconds.



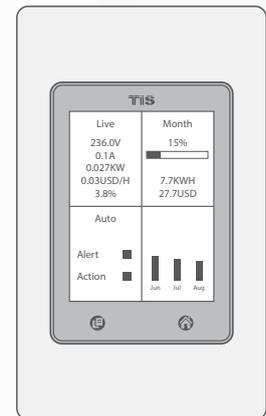
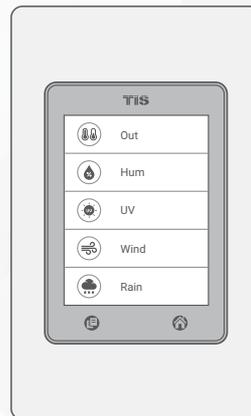


USER OPERATION



OTHER SYSTEM CONTROLS & MONITORING

The rest of the features on the main menu help with monitoring and controlling curtain motors, weather station, energy meter, security zones, and health sensors.



MESSAGES DISPLAY

This series displays urgent messages with a buzzer sounding on its LCD.

In the case of general messages, a message icon will appear in the top left corner of the LCD, and you will need to tap on it to see the text on the LCD screen.





TROUBLESHOOTING



The panel's menu buttons blink rapidly.

Reason: The panel address conflicts with another device in the TIS network. You need to select and hold the Page Layout button for 6 seconds so that the panel can get a new address.



The panel buttons' LEDs do not turn ON, and the device is not powered.

Reason 1: There is no TIS-BUS power or no connection to the L/N input (if used AIR bus-3W converter).

Reason 2: The TIS 24V power supply is not connected to the TIS-BUS.



The wall panels fail to pair with other devices.

Reason 1: The TIS-BUS connection has a problem, or the wire has a short circuit.

Reason 2: The manual programming function is disabled on the device (it is enabled by default).



The wall panels fail to control the device channels.

Reason 1: The TIS-BUS connection has a problem, or the wire has a short circuit.

Reason 2: The programming address is faulty.



The page is asking for a password.

Reason: The page's password lock is enabled. The default password is 1234. You can disable this locking page function in the software. If you have forgotten the password, you can email your Titan/Titania MAC number to the tech support team, and they will generate an unlock password for your panel.



Music stops and will not play the next track once the current track finishes.

Reason: In the Titan/Titania Music Page, the Play Mode setting is set to Play Once. You need to change it to Play All.