



User guide

F453







User guide

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1.Hardware and Software requirements



Warning: The TiF453 software is the fundamental tool for the configuration of the F453AV Web Server, which, for convenience, will be referred to as device in this manual. This software is protected by exclusive rights, owned by the company BTicino SpA

1.1 Minimum Hardware requirements

- PC with Pentium 2 GHz or similar
- 1 GB RAM memory (XP).
- Video resolution 800 x 600, 256 colours.
- CD-ROM or DVD reader
- Hard Disk: 500 MB minimum free space available.

1.2 Minimum Software requirements

- Windows XP SP2 (32 bit), Windows Vista (32 bit o 64 bit) or Windows 7 (32 bit o 64 bit)
- The .NET 3.5 SP1 framework is required for correct operation of the application.
- Minimum browser requirements for correct display of the web pages: Internet Explorer ver. 7, Firefox ver. 3, Chrome ver. 9, Safari ver. 4.
- However, for the energy supervision function higher Internet Explorer requirements are necessary: ver.8 + Google Frame plug-in or better.

The updated requirements can be found on the www.bticino.com website.

2.Installation

To install the TiF453 program proceed as described:

- 1. Put the Cd-Rom into its drive.
- 2. After the main page is displayed in the web format, select "Software" and then "Install TiF453".
- 3. The installation program will copy the system files needed to run the TiF453 program.

3. Fundamental concepts

The TiF453 software can create and edit a project containing the device configuration to manage My Home systems remotely.

The created project must be sent to the device. This is done by connecting the device to the PC using a "cross-over" cable connected to the device LAN connector and to the PC's Ethernet card. As an alternative you can update the device remotely if you know the IP address and OPEN password (for more details see the user manuals supplied with the device).

In the same way the project file can be received from the device to check and/or edit the configuration it contains.

The TiF453 program also lets you update the version of the device's permanent base software (firmware) by means of new revisions distributed by Bticino.

To create a new design

- Run TiF453.
- Make a new design.
- Send the data to the device

To edit an existing design

- Receive the current confi guration data from the device.
- Make any modifi cations.
- Send the data of the design made to the device

With TiF453 you can update the device firmware version (Add fi rmware) with new revisions issued by Bticino.

3.1 Function selection menus and pushbuttons

On opening the program, the start screen is displayed, which contains all the configuration parameters listed in hierarchical order. The configuration details are entered in the area on the right.

Functions and parameters

to be configured

Pull-down menus Pushbutto	n menu	Data input area
X 17 +453 File Tode Language ? 『입문』 관광 문 20 20 20 11 12 1		_ = ×
Hefs: Hefs: Hetwork connection Hetwork connection	r453 Project nume F453 Signet	
Info and errors	Project not asived	IZ P English _:
)pens the Info Navigation Ind Errors area bar	Info and Errors area	Closes the Info Function and Errors area description



Attention: for the TiF453 software to work correctly, the device must be installed in agreement with the indications given in the instruction sheet supplied with the device.



All the functions which can be run with TiF453 can be selected by means of the icons in the tool bar, or by opening the pull-down menus and selecting the various items. The tool bar has the following options:

🤮 🏐 🚍	Creation, Open and Save configuration file
۵	Receive, Send the configuration
S	Update device firmware
4	Request device info
99	Selection of the application language
bticino	Connection to the www.bticino.com site

The pull-down menu has the following options:



3.1.1 "File" menu

• New

Creates a new project

- Open
 - Opens an existing configuration file
- Save
- Saves the current project
- Save as ...
 - Saves the current project asking for a name for the file
- Exit
 - Exits the program

¥ TIF453						
File	Tools Languag	je ?				
	New	🕼 😪 🛄				
9	Open					
	Save					
	Save as	connection				
P	Exit	parameters				

F453 Tools Language ? Receive Configuration Send Configuration Update Firmware Request Device Info

3.1.2 "Tools" menu

- Receive Configuration Runs the upload function of the configuration from the device
- Send Configuration Downloads the configuration to the device
- Update Firmware
 Updates the device firmware
- Request device info Displays the technical information

Can select the application language

3.1.3 "Language" menu

• Language

an	guage ?	
•	English	
	Italiano	
	Français	
	Deutsch	
	Nederlands	
	Español	
	Português	



3.1.4 "?" menu

• About ...

Displays some information on the TiF453 program

Supported Version

In a table displays the devices firmware versions managed by the TiF453 program



3.2 Connecting the device to a PC

To receive/send the configuration completed using the TiF453 software, or to update the firmware, connect the device to the PC using the serial-USB adapter (3559), or an Ethernet cable.

Serial connection



Ethernet connection



3.3 Send the configuration

It allows the user to send the project created to the device.

Procedure:

- > Connect the device to a PC as shown in the corresponding section.
- > From the **Tools** pull-down menu select **Send Configuration**.

The following window appears:

TIF	453			
	Select the date and time to set on the device	_	_	i
	Date and time	18/10/2011	9.29.29	•
	<u> </u>	de Back	Next	Cancel

- > Click **Next** to display the window for the selection of the mode of connection with the device. The sending operation can be performed using three different types of connection:
- Ethernet: by entering the network address, or by automatic search.
- Serial: by selecting the port (COM), or through automatic detection.

TIF453	
Connection	
Select the mode of connection to the device	i)
💿 🔁 Ethernet	
O 🛃 Serial	
USB	
😣 🗢 Back 📄 Next 🔒 😣 C	ancel



ETHERNET CONNECTION

Enter the device network address and	the OPEN password	į
 Automatic search Manual net-address input OPEN password 		 ✓ ②
	🗢 Back 💽 Next	😵 Cance

SERIAL CONNECTION

TIF453
Connection port selection
Select the serial port the device is connected to
Port selection COM1 COM1 COM1
🖉 🧳 Back 🛸 Next 😢 Cancel

> After clicking **Next** the project is transferred to the device.



Repeat the operation if unsuccessful

3.4 Receive the configuration

It allows the user to receive the configuration from the device; once the configuration has been acquired, this can be changed and saved, or it can be resent to the device.

Procedure:

- > Connect the device to a PC as shown in the corresponding section.
- > From the Tools pull-down menu select Receive Configuration.

A mask is displayed, for the selection of the mode of connection to the device (for the connection procedures see the **Send the Configuration** section).

After selecting the connection mode, click **Next** to load the project currently installed on the device.

¥ TIF453			_ = ×
File Tools Language ?			
3 4 9 4 4 4			bticina
B ★ F453			
🖻 🐺 Network connection	F433		
General parameters	Project name	F453	
Univocal codes			
G U Security			
Web session	12		
Remote commands			
OPEN commands to be blocked Services			
Web pages Scenarios (1)			
Lights (1)			
Control (3)			
System 99 zones			
Gentrale 4 zones 1			
- mail Programs - mail Not controlled zones (1)			
Air conditioning basic			
AC units (1)	F453 Depinet		
Group of commands (1)	riget		
Air conditioning advanced	 ✓ 		
			1/2
Info and errors			
🙆 🛃 C.Vo	cuments and Settings\Administrator\DocumentiV	Ticino\TiF453_0200\F453.prj	English ,



3.5 Update the Firmware

It allows the user to update the device firmware.

Procedure:

- > Connect the device to a PC as shown in the corresponding section.
- > From the Tools pull-down menu select Update Firmware.

The following screen appears, prompting the user to search for the folder containing the firmware file with extension .fwz (compressed file).

TiF453				
Firmware selection				
Select the firmware file to be upda	ated			i)
				~
				Rind
				Info
L				
1	~			
<u> </u>	0	🖨 Back	i Next	😵 Cancel
1	-10			

> Select the file and click **Open** to continue.

This action will open a mask for the selection of the mode of connection to the device (for the connection procedures see the **Send Configuration** section).

3.6 Request device info

It displays some information on the device connected to the PC.

Procedure:

- > Connect the device to a PC as shown in the corresponding section.
- > From the Tools pull-down menu select Request Device Info.

This action will open a mask for the selection of the mode of connection to the device (for the connection procedures see the **Send Configuration** section).

After selecting the connection mode, click **Next** to open a screen showing the device hardware and software features.

4. Project configuration

This section can be used to configure a new project, or to change an existing one.

> From the File menu select **New**.

The following window appears:

X TiF453			
File Tools Language ?			
] 🕲 🔒 🔌 🦑 🍕 👑 *			blicino
F453 Metwork connection Metwork connection Metwork connection Cock Gock G	F453 Project name	P453	
			1/2
Info and errors			
Retrors			
Description			
Project			
2 🖻	Project not saved		English

> Enter the configuration data in the various sections.

4.1 Network connections

The technical parameters for the network connections are configured in this section.

¥ TIF453		<
File Tools Language ?		
े 🕲 🖬 🤌 🦑 📽 🗠 😃 *		bticino
F452 F45 F4 F4		
Group of commands Group of commands Comparison system - To Stop and Go		
	<u>∞</u> ∎	112
Info and errors		
✓ ■	Project not saved	English





Before editing the default values, contact the network administrator. Incorrect values, as well as making the service inactive, could cause malfunctions in the communication of other network equipment.

4.1.1 Ethernet

Here we find the mask for entering the connection parameters to the Ethernet network.

¥ TIF453			_ = ×
File Tools Language ?			
📑 🗐 🔒 🧶 😻 🍕 😃 *			bticina
F453	😑 Ethernet		
	Web server IP	192.168.1.35	
General parameters Cock	Subnet mask	255.255.255.0	
O Univocal codes	Router IP	192.168.1.1	
B-U Security	Primary DNS		
	Secondary DNS		
Remote commands Remote Access GEN tormmands to be blocked GEN tormmands GEN			
Extend probes Controlled zones Extend probes Controlled zones C	Ethernet Ethernet configuration		
			1/2
Info and errors			
	Project not saved		english ب

If you want to enable the connection to the device via Ethernet network, the following items must be configured, or the default values used.

• Web server IP and Subnet mask

Typical parameters of networks with TCP/IP protocol. They are used to identify the device inside the local network. Remember that the device needs a "static" (fixed and unique) IP address to be able to work correctly.

Router IP

Router IP address, if there is one. If there is a router the field must be filled in, to guarantee outgoing Services, such as sending e-mail.

• Primary DNS and Secondary DNS Primary and secondary IP address of the Internet Service Provider (ISP), supplied when the subscription is taken out.

4.2 General parameters

Feb Total Larguage 1 Image: Control Contrectico Control Control Contrectico Contrectico Contro	¥ TIF453	×
Image:	File Tools Language ?	
F453 F453 Fabricitant Fabri	📑 🚭 🔜 🧶 🆑 🎯 👯 +	blicing
Web pages Somaios Somaios	F453 Wetwork connection Ethernet Cock Cock	
Tefo and errors Image: Second seco	Web pages Sonnios Sonnios Logits Automation Temperature control Temperature control System 49 zones Sonnios Sonnios Controlled zones Sonnios Sonn	
Info and errors C C Project not saved English		12]
📽 🖡 Project not saved English 🕫	Info and errors	
	8 B	Project not saved English

4.2.1 Clock

This function can define the local time zone and whether the device is the time synchronisation "Master".

If it is set as Master clock, other devices in the My Home system use the internal clock of the device in programming as reference for the time. The frequency of updating the time for all the devices can be selected in the box.

¥ TiF453			_ = ×
File Tools Language ?			
📑 🚳 🔚 🧶 🦑 🍕 😃 *		b	ticino
😑 🗙 F453	G Clock		
Ethernet	Time Zone	(GMT +1:00 h) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	
General parameters	Update function	K⊙ Slave	
- O Univocal codes	Update frequency	2 10 minutes	
Get Unguage			
Authentication			
IP address enabling			
Remote commands			
OPEN commands to be blocked			
B- Services			
Scenarios			
- 6 Lights			
Load control			
Temperature control			
- M Not controlled zones			
External probes			
AC units			
Group of commands			
AC units	al-d		
Group of commands	Clock configuration		
Energy Hanagement			
			1/2
Info and errors			
	Project not as und		English
	Project not saved		engish _a

4.2.2 Univocal codes

This function gives an identification number to the gateway.

¥ TiF453		
File Tools Language ?		
📑 🚳 🕞 🤌 🥙 🎯 😃 -		bticino
E ¥ F453	Gateway identifier	
Ethernet	Gateway OPEN-SCS 1	
General parameters Clock		
-O Univocal codes		
⊖ U Security		
Authentication Web session		
P address enabling		
Remote Access		
OPEN commands to be blocked E Services		
Web pages		
- 6 Lights		
Temperature control System 99 zones		
- 14 System 4 zones		
ar conditioning basic → AC units		
Group of commands		
Ar conditioning advanced	Catauran Idantifan	
Group of commands	Gateway identifier configuration	
Supervision system		
Stop and Go		
		1/2
Info and errors		
8 k	Project not saved	English 🚬



4.2.3 Language

This function can select the language for the control web pages and remote system management.



4.3 Security

This section is used to set the safety parameters.



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4.3.1 Authentication

Web users

In this section you are asked to enter the name and password which the user will use for authentication, enabling and access to the services offered by the device selected.

¥ TIF453			_ = ×
File Tools Language ?			
ि 🕤 🔐 🤌 🥙 🖓 🗤 -			bticino
F453	Web users		
Ethernet	User login	user	
General parameters Gock	User password	user	
Univocal codes	Automatic system		
B-U Security	OPEN password	12345	
Web session			
IP address enabling			
Remote Access			
B Services			
 Web pages Scenarios 			
- blights			
a Load control			
Imperature control ↓ ²⁷ System 99 zones			
External probes			
AC units			
Group of commands			
AC units	Web users		
B-15 Energy Management			
Supervision system Stop and Go			
Load Dismostic			
(= 3 a)			1/2
Info and errors			
V 12	Project not saved		English _{st}

The following must be defined in the mask:

• User Login and User password Enter the user Login and Password (default: user.user)

Automatic system

OPEN Password

Enter the OPEN password whenever the device is used for remote control of the My Home system via programs for PC.



Attention: The default OPEN password in the devices is 12345.



4.3.2 Web session

The inactivity time on the web page, after which the device returns the user to the identification page, can be defined in this section.

X TIF453			×
File Tools Language ?			bticina
F453 F45 F4 F4	Web session Web session timeout	1 mnute	
			1/2
Info and errors	Project not saved		English _

• Web session timeout

Select the interval of inactivity on the web page from 1, 2, 5 or 15 minutes.

4.3.3 IP address enabling

This window can be used to enter up to 10 IP address ranges with connection to the device enabled, without the need for entering the login ID or password.

₩ TIF453			
File Tools Language ?			
<u>े</u> 🕤 🔜 🕭 🤣 🕸 🗠 😃 र			bticina
IP address enabling			~
Remote commands	Easibles	Ø Ver	
OPEN commands to be blocked	Enabling	✓ Tes	
Services	Vaue	1-255.0-255.0-255.1-254	
Scenarios	IP address range 2		
- Ó Lights Automation	Enabling	🖸 No	
- 2 Load control	Value		
Temperature control System 99 zones	IP address range 3		
-14 System 4 zones	Enabling	X No	
Not controlled zones External probes	Value	1-255.0-255.0-255.1-254	
Air conditioning basic	IP address range 4		
Group of commands	Enabling	No No	
⊟ air conditioning advanced AC units	Value		
Group of commands	IP address range 5		
Supervision system	Enabling	No No	
Test Stop and Go	Value		
Kenergy data Sectority	IP address range 6		
Water	Enabling	No No	~
Domestic hot water Heating / Cooling Could a control water With central writ with central writ without central writ	Value Enter IP address range		
			1/2
Info and errors			
🗞 📴	Project not saved		English

- > Enable the IP address.
- > Click ... to enter the ranges.

Insert the net	work address		1
1	. 💽 .		1
255	. 255	255	254

4.3.4 Remote commands

This section is used to set the parameters for remote access adjustment.

¥ TIF453			_ = ×
File Tools Language ?			
🖹 😂 🖬 🤌 🦑 🍕 👑 •			bticino
OPEN commands to be blocked	Activation/Deactivation event		
Services	Enabling	🔀 No	
Scenarios	Remote access channel		
Lights	Signaling actuator		
Load control	Enabling	Yes	
System 99 zones	Actuator address	Not valid	
→ Not controlled zones → External probes → Ar conditioning basic → AC units → Counts			
Air conditioning advanced			
The Supervision system Stop and Go The Stop and Go			
Gase Construction of the second secon			
Customized ⊕ • QL cad management ↓ With central unit → @ Without central unit ⊕ • Alarms	Signaling actuator		
	n		1/2
Info and errors			
🔗 👼	Project not saved		English



Remote access

Activate this function to, if required, disable remote connection to the device. This is done by setting the auxiliary channel from which the command is received.

¥ TIF453			_ = ×
File Tools Language ?			
<u>) </u>			bticino
Central Access Central Control of C	Activation/Deactivation event Enabling Actuator Actuator Actuator address Enabling Select remote access enabling	 Yes Yes Not vald 	
(🖛 💐 🔿			1/2
Info and errors			
8 E	Project not saved		English

The following must be defined in the mask:

· Activation/deactivation event

Enter the auxiliary channel dedicated to activating/deactivating the remote access.

• Signalling actuator

Enable a light point to use as signalling actuator.

The state of the connection can be displayed by the lighting up of a light signal controlled by an Automation system actuator; the configuration of this device must be given by setting the parameters in the box.

> Click to enter the SCS address.

🎽 SCS address		
😑 🎲 SCS address		
Address	11	
A	= 1	
PL	= 1	
Level	💗 Private riser	
SCS address Enter the SCS address (A. PL, Level, I3, I4)		
	Confirm	

OPEN commands to be blocked

This function can be used, if required, to disable the forwarding of certain commands from the device. The definition of the forbidden commands (max. 20) is done by entering them in the appropriate area, following the "Open Web Net" protocol.

TIF453		
File Tools Language ?		
<u>) 🕤 🕞 🔌 🕸 🖓 👑 - </u>		bticino
Control access Services Service Ser	OPEN commands to be blocked OPEN configured OPEN configured OPEN commands OPEN commands	
Alarms		
A Const V	11	1/2
Info and errors		

On enabling the function a window to enter the commands is displayed.

Choose between con manual and automatic insert an OPEN comm	nmand c insertion to nand

There are two ways of compiling the command:

- Manual
 - allows direct entry of a command

Y Open Comi ⊂OPEN a	nand Block address
	Enter an OPEN command. A well formed OPEN command must be made up of numerical characters, """ and "#" and they must begin with """ and end with "##".
	OPEN
	V Ok 🎇 Cancel



• Guided

The command can be defined automatically, selecting the configuration and type of command to be blocked in the menu.

Ж	Open command	
	Open command	
	Open command	*1*1*01##
	System	💡 Lights
	Action	ON
	Address	01
C g	Open command Select the parameters of	OPEN command
		OK Cancel

4.4 Services

The web pages of the My Home applications are configured in this section.

4.4.1 Web pages

In this page the display of the sections corresponding to the My Home applications in the system can be enabled or disabled in the web pages.



All the pages of this section have a bar used for adding individual objects and pages. Before adding an object, a page must be added.





Scenarios

This section is used to define the objects for the activation of the scenarios managed by the central unit or the scenario module of the My Home system.

It is possible to configure up to 9 Web pages with 10 objects each, one of which at least correctly configured.

¥ TIF453				_ = X
File Tools Language ?				
<u></u> 🔁 🔜 🧶 🖗 🤫 😃 ד				bticino
	Tr.			
Control C	Page 9 Scenarios	Type	Address	
				1/2
Info and errors				
8 🖪	Project not save	d		English 🚬

Click 📝 to assign a description to the Web page (15 characters maximum).

Select the new name of the page

After adding an object, a window appears where the user can enter the specific scenario data.



¥ 11F453 File Tools Language ?			_ = .
<u> 1 (1) 문</u> 용 용 🕸 🧠 👭 -			bticina
Secenarios (1) Automation Load control System 49 zones System 49 zones System 42 conditioning basic Automation System 4 zones Automation Automation System 4 zones Automation Automation Automation Automation Automation System 4 zones Automation Automation	Page 0 Scenario 1 Page 0 Scenarios	Type Scenario	Address Action: 1 - Address: 01-Private riser
			1/2
Info and errors			

The following must be defined in the mask:

- Object description
- Enter the description of the object 15 characters max.
- Scenario Type
- Select if the scenario is a Normal or a Plus scenario.
- Scenario address

Click to select the address of the scenario to perform, saved in a scenario module.

💥 Open command	
😑 🎲 Open command	
Open command	*0*1*01##
System	Scenarios
Action	Scenario 1 👻
	01
Address Enter the SCS address	

- > Click \checkmark in the Action field to select the scenario.
- > Click 🗔 in the Address field to select the address of the devices the scenario must be sent to.

💥 SCS address						
😑 🥥 SCS address						
Address	01					
A	• 0					
PL	= 1					
Level	🔍 Private riser					
SCS address Enter the SCS address (A. PL, Level, 13, 14)						
	Confirm Cancel					

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Lights

This section is used to define the objects that will be included in the "Lights" function web page. It is possible to configure up to 9 Web pages with 10 objects each, one of which at least correctly configured.

Second of Cl Second of Cl Se	ile Tools Language ?					
Scenarios (/) Constituctions Load control System 9 20005 System 9 20005 A driverse A driverse Control C	1 🕲 🔒 🤌 🦃 🍕 😃 •					btici
(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Scenarios (1) Scenarios (1) Scal control System 4 control System 4 control System 4 control System 4 control Scenarios Scena	Description	Address	Dimmer	Trning	Binking
	🦛 🕾 🔿					1

After adding an object, a window appears, where the user can enter the specific lighting data.

¥ TIF453						
File Tools Language ?						
ि 🕲 🔚 🤌 🦑 🕼 😃 -					btic	ino
Automation Lada Control Lada Control Lada Control Lada Control System 99 zones System 47 zones System 99 zones System 90 zones	Description Light 1	Address 01-Private riser	Drmer Not enabled	Tming Not enabled	Binking Not enabled	
					[1/2
Info and errors						
⊘ ≣	Project not sa	ved			E	English 💦



The following must be defined in the mask:

- Description
- Enter the description of the object 15 characters max.
- Address
 - Click to enter the SCS address

SCS address	
Address	01
A	= 0
PL	= 1
Level	🛡 Private riser
SCS address Enter the SCS addre:	s (A. PL, Level, I3, I4)
SCS address Enter the SCS addres	s (A. PL, Level, I3, I4)
SCS address Enter the SCS addre:	s (A. PL, Level, I3, I4)

- Dimmer
 - Select Not Enabled or Dimmer 10/100 levels
- Timing

select Not enabled or ON (from 1 min to 0.5 sec)

• Blinking

select Not enabled or Blinking (from 0.5 sec to 5 sec)

Automation

This section is used to define the objects that will be included in the "Automation" function web page.

It is possible to configure up to 10 Web pages with 10 objects each, one of which at least correctly configured.

After adding an object, a window appears where the user can enter the specific automation data.

File Tools Language ?			
े 🕤 🕞 🤌 🦑 🎯 😃 -			bticino
	Description	Address	
e-↓ Temperature control	Automation 1	01-Private riser	
- A Not controlled zones			
Air conditioning basic			
AC units			
Bred Air conditioning advanced			
😑 🤧 Energy Management			
Supervision system			
Load Diagnostic			
- (A Electricity			
Water			
Domestic hot water			
Customized	10 A		
E-W Load management	Page 2		
Without central unit			
Alarms		: 📝	
Auxiliary alarms	Automation		
MyHome portal			
Settings			
			1/2
Info and errors			
✓ ■	Project not saved		English

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The following must be defined in the mask:

- Description
 - Enter the description of the object 15 characters max.
- Address
 - Click to enter the SCS address.

SCS address	
Address	01
А	= 0
PL	= 1
Level	💗 Private riser
SCS address Enter the SCS addres	s (A. PL, Level, I3, I4)
SCS address Enter the SCS addres	s (A. PL, Level, I3, I4)
SCS address Enter the SCS addres	s (A. PL, Level, 13, 14)

Loads control

This page can be used to assign a description and the priority to the controlled loads that will be available in the "Load Control" Web page.

To re-enable a disconnected load following a tripping of the Energy Management central unit, it will be necessary to operate on the corresponding object displayed in the Web page.

The priority associated to the load is that defined when configuring the Power Management System by means of the numbered configurators (1 - 8) put into position CC of the actuators.

¥ TiF453			
File Tools Language ?			
📑 🕲 🗖 🤌 🦑 🖓 💷 •			bticino
Automation (1)	Description	Priority	
Temperature control	Load 1	1	
System 99 zones	Load 2	2	
	Load 3	3	
- A Not controlled zones			
Air conditioning basic			
AC units			
Group of commands			
Ar conditioning advanced			
Group of commands			
😑 🧩 Energy Management			
Supervision system Step and Co			
Load Diagnostic			
🖃 💞 Energy data			
- 🦄 Electricity			
Gas			
Domestic hot water			
Customized			
With central unit			
- 🧭 Without central unit			
Alarms			
Auxiliary alarms	Load control		
	Loui control		
MyHome portal			
Auxiliary events notification			
	×		
			10
			1/2
Info and errors			
	Project not saved		English
	riujeu nu saveu		English ,

- Description
 - Enter the description of the object 15 characters max.
- Priority
 - Enter the priority associated to the selected load.



Temperature control

This section can be used to set the Temperature control system details.



System 99 zones

This section can be used to insert a 99 zone central unit and customise its description.



ZONES

For each of the 99 zones the configuration parameters must be entered.

File Total Longauge ? Image: Control unit 99 2004 Address Type Image: Program Program Address Type Image: Program Program Image: Program Program Image: Program Program Image: Program Program Image: Program Program Image: Program Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Program Image: Pr	X TIF453				-	•
Image: Control unit 99 contes Address Type Fancol Image: Control unit 99 contes Zones Image: Control unit 99 contes Control unit 99 contes Image: Control unit 99 contes Zones Image: Control unit 99 contes Contes Image: Control unit 99 contes Contes Image: Control unit 99 contes Contes Image: Control unit 99 contes Contes Image: Contes Contes Image: Control unit 99 contes Contes Image: Contes Contes Image: Contes Contes Contes Image: Contes	File Tools Language ?					
Control unit 99 zones Zones (J) Pogans Schwards S	C 🔄 🔜 🧶 🧶 🤫 🟭 -				btic	no
	Control unit 99 zones Zorus (J) Zorus (J)	Description Zone 1 Zone 2 Zones	Address 1	Type Heating	Fancol No	
	(- 2 -					1/2
Information and an and a second se						

The following must be defined in the mask:

- Object description
- Enter the description of the object 15 characters max.
- Address
 - Enter the zone address.
- Management type
- Enter the type of management performed (heating, cooling, or both).
- Fan-coil
 - Specify if the type of management performed is a Fan-coil type management

PROGRAMS

For each of the two types of operation (winter/summer) up to 3 programs can be enabled and their description customised.

X 117455				*
File Tools Language ?				
📑 🗐 🖬 🤌 🦑 🎯 罪 •				bticina
Control unt 99 zones 2015 20	Program 1	Type Summer	Number 1	12
Info and errors				

- Object description
 - Enter the description of the object 15 characters max.
- Type
- Enter the type of operation (summer/winter).
- Number
 - Enter the program number



SCENARIOS

For each of the two types of operation (winter/summer) up to 16 scenarios can be enabled and their description customised.

¥ TiF453				_ = ×
File Tools Language ?				
C 😒 🖬 🤌 🦑 🖓 👑 +				bticino
Control unit 99 zones Control Unit 90 zones Control Unit	Description Scenario 1	Type Summer	Number 1	
				1/2
Info and errors				
S 12	Project not saved			English 🤙

The following must be defined in the mask:

- Object description
 - Enter the description of the object 15 characters max.
- Type
- Enter the type of operation (summer/winter).
- Number

Enter the scenario number

System 4 zones

This section can be used to insert a 4 zone central unit and customise its description.

¥ TIF453		_ = ×
File Tools Language ?		
<u> </u>		bticino
System 99 zones System 99 zones System 29 zones System 29 zones Sones System 20 zones System 20 zones System 20 zones Zones System 20 zones Zone Zones Zone Zone	Control unit 4 zones 1	
Gas Heating / Cooling Load management Without central unit Aarms Without central unit Corres Corres Corres	Control unit	
Settings Auxiliary events notification		
		1/2
Info and errors		
🔗 🥫	Project not saved	English ,

For the configuration of the "Zones" and "Programs" items see "System 99 zones". For this type of central unit the scenario item is not included.

Not controlled zones

This section can be used to configure the zones not controlled by the central unit.



The following must be defined in the mask:

- Object description
- Enter the description of the object 15 characters max.
- Address
 - Enter the zone address.

External probes

This section can be used to configure external probes.

Image: System 99 zones Description Address Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 99 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones Image: Spstem 90 zones	Tools Language ?			
System 92 cones System 92 cones (1) System 4 cones (1) Settem 1 controlled cones (1) Reternal probes (1) Rete	19 🖬 🔌 🕸 🖓 🗤 -			bticine
	System 99 zones System 7 zones (1) System 7 zones Contol unt 4 zones 1 System 7 zones Contoled zones (1) System 2 zones System 2 zon	Description Zore 1	Address 1	
	⊨ 🕄 🔿			1/2

- Object description
 Enter the description of the object 15 characters max.
- Address
 - Enter the address of the external probe.



Basic climate control

This section can be used to configure the AC units and the groups of commands that will be available in the temperature control/air conditioning function page. In the case of basic climate control, the management function is performed only through the 20 commands saved on the 3456 interface.

AC UNITS

This section can be used to configured the AC unit.



- Description
 - Enter the description of the object 15 characters max.
- Address
 - Click to enter the 3456 interface address.

🂥 SCS address				
😑 🌍 SCS address				
Address	01			
A	= 0			
PL	- 1			
Level	Private riser			
SCS address Enter the SCS address (A. PL, Level, I3, I4)				
	Confirm Cancel			

- Off address
 - Enter the number of the command configured as OFF on the 3456 interface.
- Probe enabled
 - Enable/disable the temperature probe.

User guide

• Probe address

Click to enter the address of the slave probe

뚲 Thermoregulation Add	ress
😑 🎲 Thermoregulat	tion Address
ZA	1
ZB	1
N	1
Thermoregulation A	ddress
Enter the Thermoregu	ulation address (ZA, ZB, N)
	Confirm Cancel

• Off

Enable/disable the Off command.

Favourite commands

Enter the favourite commands selected among the 20 available on the IRSplit for the management of the AC unit.

¥ TiF453			
File Tools Language ?			
🔁 🕲 🕞 🧶 🧶 🎯 🛄 +			bticino
]
- 1 [©] Zones A	Description	Address	
- Mot controlled zones (1)	Command 1	1	
and Air conditioning basic			
AC Units (1)			
-→ Favourite commands (1) → Group of commands			
Air conditioning advanced			
Energy Management Energy Management Energy Management			
Stop and Go			
Energy data			
Domestic hot water			
Heating / Cooling			
Load management			
Without central unit			
Aurris - Cones	A8800		
Email notification	AC unit commands		
MyHome portal Settings			
Auxiliary events notification			
			1/2
Info and errors			

- Description
 - Enter the description of the object 15 characters max.
- Address
 - Enter the address of the command on the 3456 interface.



GROUP OF COMMANDS

For the management of climate control it is possible to create a group of commands, selected among the ones saved on the 3456 interface.

¥ TIF453			_ = ×
File Tools Language ?			
📑 🖏 🔜 🧶 🖉 🍕 💷 •			bticino
Cores And controlled zones (1) External probes (1) Constructions advanced Constructions Cons Constructi	Description Command 1	Address 11	
Info and errors			
	Project not saved		English "

The following must be defined in the mask:

- Description
 - Enter the description of the object 15 characters max.
- Address

Click to select the commands of the group.

💥 Air Conditioning	
Air Conditioning	
🗆 1 Air Conditioning	
Address	11
Command	1
2 Air Conditioning	
Address	11
Command	2
Air Conditioning Enter the air conditioning val	ue
4 ×	
	Confirm Cancel

- Address
- Enter the 3456 interface address.
- **Command** Enter the command number.

User guide

Advanced Air Conditioning

This section can be used to configure the AC unit objects and the groups of commands that will be available in the temperature control/air conditioning function page. The management is performed directly as if the remote control of the splitter was used, or in any

The management is performed directly as if the remote control of the splitter was used, or in any cases using the 20 commands saved on the 3456 interface.

AC UNITS

Enter the AC units to configure.

Avit controlled tones (1) External probes (1) Ac unit 1 Ac unit 1		is Language ?
Common and another (1) Common another (1) Common (1)	bticing) 🕭 🕸 🚳 😃 ·
Advanced Air conditioning		A Not controlled zones (1) External probes (1) A Activity of the second secon

The following must be defined in the mask:

- Mot controlled zones (1)	Address		
a Air conditioning basic	Address	Address (Za-Zb): 1-1, Slave: 1";	
AC units (1)	Probe enabled	No	
→ Favourite commands (1)	Probe address	Address (Za-Zb): 1-1, Slave: 1";	
E Air conditioning advanced	Show OFF command	No	
AC units (1)	Temperature		
Group of commands	Minimum temperature	15	
😑 🤧 Energy Management	Maximum temperature	16	
Supervision system	Step	1	
└────────────────────────────────────	Mode		
- A Electricity	Automatic mode	No	
Gas	Cooling mode	No	
Domestic hot water Heating / Cooling	Heating mode	No	
Customized	Dry mode	No	
With central unit	Fan mode	Si	
	Speed		
- 76 Zones	Fan speed presence	No	
Email notification MyHome portal Settings Auxiliary events notification	Fan mode Choose if the fan mode is active or not		

Address

Click to enter the 3456 interface address.



Thermoregulation Address	
😑 🎲 Thermoregulation Ad	dress
ZA	1
ZB	1
N	1
Thermoregulation Address	
Enter the Thermoregulation a	ddress (ZA, ZB, N)
	Confirm 🔀 Cancel

- Probe enabled
 - Enable/disable the temperature probe.
- Probe address

Click to enter the address of the slave probe.

🤾 Thermoregulation Add	Iress
🖃 🧼 Thermoregula	tion Address
ZA	1
ZB	1
N	1
Thermoregulation 4	Address
Enter the Thermoreg	ulation address (ZA, ZB, N)
	Confirm Cancel

Show Off control

Enable/disable the Off command.

- Minimum temperature
- Enter the minimum temperature that can be handled by the splitter

 Maximum temperature
- Enter the maximum temperature that can be handled by the splitter

• Step

Enter the desired increase step, choosing between 0,5 °C e 1 °C.

• For the Automatic, Cooling, Heating, Dry, Fan, Fan speed presence, Automatic, High, Medium, Low, Silent, Swing presence, ON, OFF modes: Select Yes to make the function available in the corresponding page.

Favourite commands

Enter the favourite commands for the management of the AC unit.

¥ TIF453			_ = ×
File Tools Language ?			
🖹 🕲 🔚 🤌 🦑 🖓 🖊 •			bticino
A curit 1 Curits (1) Curits	Description Command 1 Command 1 A Curit commands	Configuration Configured	
			1/2
Info and errors			
🙆 😰	Project not saved		English

The following must be defined in the mask:

- Description
 - Enter the description of the object 15 characters max.
- Configuration
 - Click to set the parameters that will be performed by the command configured.

💥 Air Conditioning	
Air Conditioning	
Temperature	15
Mode	Fan
Speed	Automatic
Fan Swing	Off
Air Conditioning Enter the air conditioning valu	Je la
-	
	Confirm 🔀 Cancel

Temperature

Select the temperature to set.

- Mode
 - Select the operating mode.
- Fan speed Select the fan speed
- Fan swing Select the fan swing mode.



GROUP OF COMMANDS

For the management of climate control it is possible to create a group of commands that will be performed at the same time.

¥ TIF453			_ = ×
File Tools Language ?			
📑 🗐 🔒 🤌 😻 🍕 😃 🗸			bticino
1			
All Not controlled zones (1)	Description	Address	
E Ar conditioning basic	Command 1	11#1	
a = AC units (1)			
Favourite commands (1)			
Group of commands (1)			
⇒ AC units (1)			
AC unit 1 Favourite commands (1)			
Group of commands (1)			
Energy Management			
Stop and Go			
Energy data			
Water			
Gas			
Heating / Cooling			
With central unit			
→ → → → → → → → → → → → → → → → → → →			
Zones	$\bigcirc \bigcirc \bigotimes \bigotimes \bigotimes \bigcirc \bigcirc$		
	Group of commands		
WyHome portal Settings			
Auxiliary events notification			
			1/2
Info and errors			
8 🗟	Project not saved		English .

- The following must be defined in the mask:
- Description
 - Enter a description of the group of commands.
- Address
 - Click to select the commands making up the group.

💥 Air Conditioning	
Air Conditioning	
🗆 1 Air Conditioning	
Address	11#1
Temperature	18
Mode	Heating
Speed	Low
Fan Swing	On
2 Air Conditioning	
Address	12#1
Temperature	18
Mode	Heating
Speed	Low
Fan Swing	On
Air Conditioning Enter the air conditioning value	
	Confirm Cancel

- Address
- Enter the 3456 interface address.
- Temperature
 - Select the temperature to set.
- Mode
- Select the operating mode.
- Fan speed
- Select the fan speed
- Fan swing
- Select fan swing mode.

Energy Management

This section can be used to configure the functions that will be available in the "Energy Management" page.

Supervision system

This section can be used to configure the system supervision functions that will be available in the "Supervision" web page.

STOP & GO

This section can be used to configure Stop & Go switches for the control of the automatic earth leakage relay reset function, and other functions.

X TIF453				_ = X
File Tools Language ?				
💽 🕲 🔚 🤌 🦑 🎯 👯 -				bticino
And controlled zones (1) Ac units (1) Ac uni	Description Step and Go 1	Type Normal	Address 1	
				1/2
Info and errore				
	Project not caved			English
	r toject not saved			English ,t

The following must be defined in the mask:

Description

Enter the description of the object – 15 characters max.

• Type

Select the type of switch: Normal, Plus, or Btest.

- Address
 - Enter the switch address.



LOAD DIAGNOSTIC

This section can be used to set which loads can be subjected to diagnostic, to control their operating status (advanced actuators only).

🗶 TiF453			_ = ×
File Tools Language ?			
े 🕲 🖬 🤌 🖑 🕼 💷 -			bticino
Aut controlled zones (1) External probes (1) External commands (1) Extra conditioning basic Act crit 1 External commands (1) Exercite commands (1) Ex	Description Load 1 Page 6 Coal Diagnostic	Address 1	
			1/2
Info and errors			

The following must be defined in the mask:

- Description
- Enter the description of the load 15 characters max.
- Address
 - Enter the load address.

Energy data

This section can be used to configure the parameters that enable displaying the data (consumption/ production) measured on the system, and displayed in the "Energy data" web page. Several measurement parameters are available:

Meter type	Description	Unit		
Electricity	It display the electricity consumed or produced by the system.	Kw		
Water	It measures the water consumed.			
-	Connect the meter to a water meter with impulse output.	m ³		
Gas	It displays gas consumption.			
	Connect the interface to a gas meter with impulse output.	m ³		
DHW	It measures the hot water consumed.			
	Connect to a hot water meter or to the corresponding impulse output of a heat measurement central unit that can be found in the apartment user modules (in case of central heating).	Kw		
Heating/ Cooling	It displays the calories/frigories measured on the heating/cooling system.			
	Connect to a meter with heat impulse output (KWh)	Kw		

The configuration is the same for all meters.

¥ TiF453					_ = ×
File Tools Language ?					
🗋 🕲 🖬 🤌 🦑 🎯 😃 •					bticino
Avid controlled zones (1) Avid zontrolled zones Avid	Page 5	Address 1	Unit of measurement kW	Economic evaluation Disabled	Type Production
					1/2
Info and errors					
into and errors					5.41
	Pri	oject not saved			English ":

The following must be defined in the mask:

- Description
- Enter the description of the object 15 characters max.
- Address
 - Enter the meter address
- Unit of measure Select the unit of measure used to display the consumption.
- Economic evaluation
- Enable/disable the economic evaluation. Enable this function to create a row in the "Tariff setup" where the user can set the tariff to apply to the specific consumption.
- Type
 - Define if the meter is a consumption or a production meter.



The economic evaluation is performed based on the tariff indicated in the "Tariff setup" section.



Load management

This section can be used to manage the new Load Management system, to display the status of a load, force the re-activation based on priorities, set the forcing time, and display the consumption.

WITH CENTRAL UNIT

In this mode, in addition to the above listed functions, it is also possible to reset the load.

¥ 17453 _ □ ¥						
File Tools Language ?						
📑 🕲 🖬 🧶 🧶 🕼 📲 -					bticino	
- A Not controlled zones (1)	Description	Priority	Mode	Economic evaluation	Туре	
Air conditioning basic	Load 1	1	Basic	Disabled	Consume	
- → AC units (1)						
Favourite commands (1)						
Group of commands (1)						
AC units (1)						
Favourite commands (1)						
Group of commands (1)						
Supervision system						
Load Diagnostic (1)						
Energy data						
Water						
Domestic hot water						
Heating / Cooling						
E- V Load management						
Without central unit	Page 6					
Alarms						
Auxiliary alarms			× 🖌			
All MyHome portal	Luau management	with control unit				
Auxiliary events notification						
< >	4					
Info and errors						
	Proje	ct not saved			English ,	

The following must be defined in the mask:

- Description
- Enter the description of the load 15 characters max.
- Priority
 - Select the load priority
- Mode

Set if this is a basic or an advanced load. In the second case the instantaneous consumption can also be set.

• Economic evaluation

Enable/disable the economic evaluation (Advanced mode only). The tariff is set in the "Tariff setup" section.

WITHOUT CENTRAL UNIT

The configurations for this mode are the same as the "With Central Unit" mode, with the exception of the "Mode" field, which is automatically set to "Advanced".

The object of this function is to display the consumptions of the loads, also without control/forcing.

Alarms

This page is always present and active on the devices.

X TIF4S3	_ = ×
File Tools Language ?	
<u></u>	bticino
A for controlled corres (1) A for controlled corres (1) A for control basic A for control basic A for control (1) Correst of commands (1) Co	
	1/2
Info and errors	
Project not saved	English

In this section you can customise the descriptions of zones 1 – 8 of the Burglar-alarm system. The descriptions entered will appear in the messages which the device sends to the Web page every time there is a Burglar-alarm or Technical Alarm event in the system

¥ TIF453			_ = ×
File Tools Language ?			
🖹 🕲 🕞 🤌 🦑 🎯 🐺 •			bticino
And controlled zones (1) Controlled zones (Description Zone 1	Number 1	
			1/2
Info and errors			
8 🖪	Project not saved		English ""



In the same way you can enable and customise the descriptions for the 9 auxiliary channels used to signal technical alarms (e.g. you can enable channel **Auxiliary 1** and assign the description "**Gas leak**").



4.4.2 Notification via e-mail

The sending of alarms for notification via email can be enabled in this page.

] () () () () () () () () () () () () ()			bticin
- A Not controlled zones (1)	Ethernet email enabling		
Air conditioning basic	Enabling	😫 No	
AC units (1)	Account name		
Favourite commands (1)	Addresser's email		
Group of commands (1) Air conditioning advanced	Sender's email		
AC units (1)	SMTP server address		
- Favourite commands (1)	Authentication type		
Group of commands (1) Energy Management	Liker		
🕯 🎓 Supervision system	Destruend		
	Password		
🐳 Energy data	Port		
- A Electricity (1)	TIS	Off	
Gas	Start tis	Cff	
Domestic hot water	Tis certificate		
Customized	Temperature control diagnostic		
B-W Load management		1 ar	
With central unit (1)	Enabling	Li Off	
😑 📢 Alarms			
- (e) 20nes (1)			
Email notification	Ethernet email enabling		
MyHome portal	E chernet entail entability		
Auxiliary events notification			
			1

Ethernet email enabling

X TIF453 File Tools Language ?			_ = ×		
A State Control (1998) A State Contr			blicina		
Not controlled zones (1)	🗉 Ethernet email enabling				
Air conditioning basic	Enabling	Yes			
	Account name				
Favourite commands (1)	Addresser's email				
Air conditioning advanced	Sender's email				
AC units (1)	SMTP server address				
- Favourite commands (1)	Authentication type	Off			
Group of commands (1)	User				
Supervision system Stan and Ga (1)	Password				
Load Diagnostic (1)	Port	25			
Energy data	Tk				
Water	Start tk	C 0#			
Domestic hot water	Tic cortificato	tio filo			
Heating / Cooling					
E-VP Load management	S Temperature control diagnostic	17 - 77			
Without central unit	Enabling	C Off			
Alarms					
Auxiliary alarms					
Email notification	Ethernet email enabling				
Settings					
Additiary events hourcador					
Into and errors					

- Enabling
 - Enable/Disable the notification via Ethernet email
- Account name
- Enter the name of account.
- Addressee's email
- Enter the electronic mail address to which the email will be sent
- Sender's email Enter the sender's e-mail address



• SMTP server address

Enter the IP address of the mail server in numerical format or in text format (contact the network administration to obtain this information).

• Authentication type, User, Password, Port, Tls, Start tls, Tls trust file Enter the correct parameters of your own e-mail account

X TIF453			_ = ×
· · · · · · · · · · · · · · · · · · ·			hticina
Not controlled zones (1)	G Ethernet email enabling]
Air conditioning basic	Enabling	Yes	
AC units (1)	Account name		
Favourite commands (1)	Addresser's email		
■ a coup of commands (1)	Sender's email		
AC units (1)	SMTP server address		
Favourite commands (1)	Authentication type	Off	
Energy Management	User		
Supervision system	Password		
Load Diagnostic (1)	Port	25	
Electricity (1)	TIs	On .	
	Start tis	2 0n	
Domestic hot water	Tk certificate	No file	
Customized	Temperature control diagnostic	100 100	
□ ₩ Load management	Enabling	C 0#	
Without central unit	Li idoli ig	U OII	
Alarms			
Auxiliary alarms			
MyHome portal	Ethernet email enabling		
Settings			
×			
			1/2
	Project yet as wet		

For Tls enter a certified file.

Select file						? 🗙
Look in:	🗀 EN		~	G 🦻	ø	
My Recent Documents						
Desktop						
My Documents						
My Computer						
	File name:				~	Open
My Network	Files of type:	File pem			~	Cancel

Temperature control diagnosis Enabling this function, when there is a fault in the Temperature control system a message will be sent to the e-mail address provided.

¥ TiF453					
File Tools Language ?					
📑 🕲 🔜 🧶 🧶 🕼 📲 -			bticina		
A Not controlled zones (1) External probes (1) A ac conditioning basic A ac conditioning basic A ac conditioning basic Concept of commands (1) Concept of commands (1	Ethermet email enabling Enabing Account name Address's email Sender's email Sender's email Sender's email SMTP server address Authentication type User Deserverd Port Tis Start tis Tis certificate Tis retrificate Temperature control diagnostic Enabing Temperature control diagnostic	 ✓ Yes Off Z5 Ø On Ø On No file 			
			1/2		
Info and anno					
	Defectively and		Pasta		
	Project not saved		English ,		



5. Tariff settings

On completion of the project configuration, click the forward arrow on the bottom left to set the tariffs that will be applied to the consumptions set in the "Energy management" and "Load management" sections.



SeleziSelect the currency, and enter the tariff and the number of decimals to display on the web page.



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Installer stamp

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