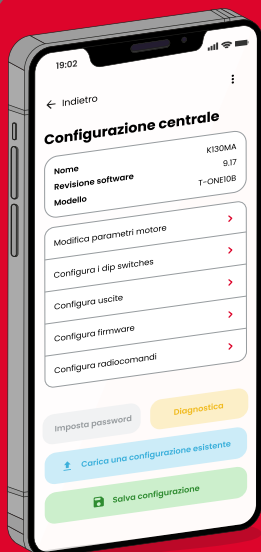


TAUAPP 2.0 & BLUEWAY



SUMMARY

1) What is TauApp 2.0 used for?

- 1.1. Download the TauApp 2.0 app
- 1.2. How to connect to a TAU product

2) Functions of TAUAPP 2.0

- 2.1. Modify motor parameters
- 2.2. Configure virtual dip switches
- 2.3. Configure outputs
- 2.4. View product diagnostics
- 2.5. Update firmware
 - Failed firmware update: what to do?
 - Table: product update
- 2.6. Configure transmitters
 - How to create a new memory
 - How to create virtual transmitters
 - How to write a memory onto Tau devices at a later time
 - How to replace a virtual transmitter with a real transmitter
 - Table: transmitter positioning
 - Full memory, how to replace with a higher capacity memory
 - How to store new transmitters on an existing memory
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- 2.8. Save product configuration
- 2.9. Load a configuration into the product

3) List of products compatible with BLUEWAY

4) Tau cloud service

1. WHAT IS THE TAUAPP 2.0 USED FOR?

The new TauApp 2.0 is used to:

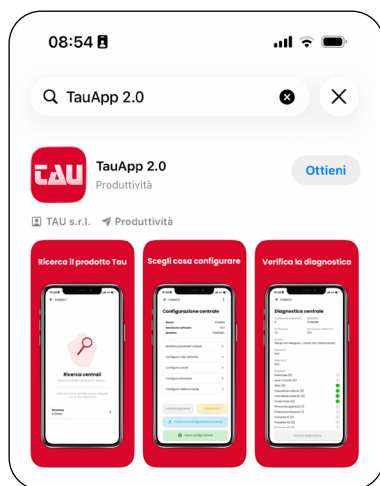
- Modify the parameters of TAU products and lock their programming to prevent access by other people;
- Update the firmware of TAU products independently, so as to always have updated products;
- Insert transmitter codes into device memories;
 - create virtual transmitter codes to be able to insert them remotely;
 - lock radio memories to prevent the storage of code-copier transmitter;

All this is possible by using the new BLUEWAY device which, via Bluetooth connection, allows connection with your smartphone or PC to TAU products.

1.1 DOWNLOADING THE TAUAPP 2.0 APP

To download the new application, go to the Play Store for Android devices, or App Store for Apple devices, and search for: TauApp 2.0.

Download the application, register, and with these few steps you are ready to use the App!



It is also possible to use your own computer (only if it supports Bluetooth connection). To download the App for PC:

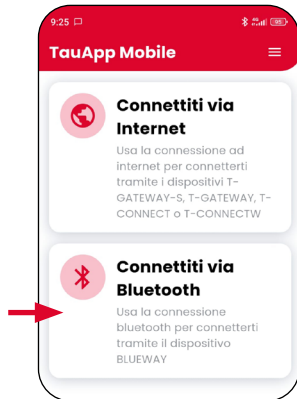
Windows: https://tauitalia.com/wp-content/uploads/wpallimport/files/TauApp2.0_Windows_Setup-0.5.20.0.exe

MacOS: https://tauitalia.com/wp-content/uploads/wpallimport/files/TauApp2.0_MacOs-0.5.21.7.dmg

1.2 HOW TO CONNECT TO A TAU PRODUCT

To connect to a TAU product, follow these steps:

1. Connect the Blueway to the TAU product using the supplied cable. On the Blueway, use the “Control board” connector (black color) and on the TAU product, use the AUX connector (black color) (see specific product manual or AUX connection table);
2. Activate Bluetooth on your smartphone/PC;
3. Connect to Bluetooth by selecting the “BLUEWAY” device;
4. Open TauApp 2.0;
5. Select “Connect via Bluetooth”;



6. After a few seconds, a button will appear on the “Search control units” screen with the text “Blueway” and the model of the TAU product you want to connect to (only if you are connected to a TAU product); Fig. A

NOTE: if the BLUEWAY is powered with the USB-C cable, only the text “Blueway” will be displayed without the product name. Fig. B



Fig. A

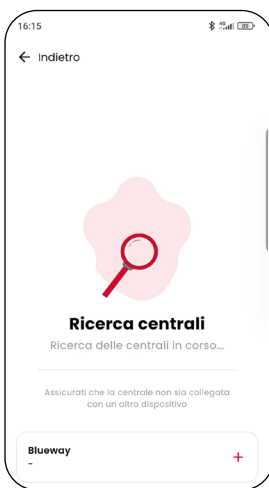


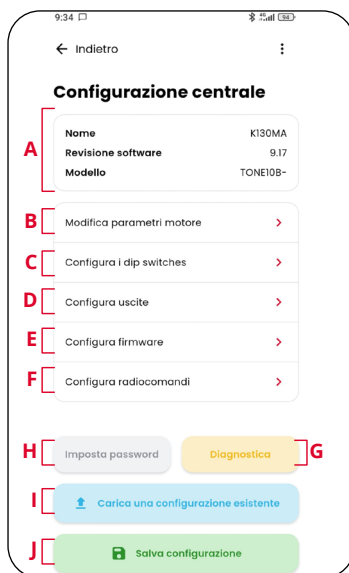
Fig. B

7. Select the “Blueway” box to allow the connection;



8. The “Control unit configuration” screen opens, where it will be possible to:

- See the name, software version, and motor model selected in the product you are connected to; **(A)**
- Modify motor/motors parameters; **(B)**
- Configure virtual dip switches; **(C)**
- Configure outputs; **(D)**
- Configure firmware; **(E)**
- Configure transmitters; **(F)**
- See product diagnostics; **(G)**
- Set a password to be able to connect to the product; **(H)**
- Load a configuration into the product; **(I)**
- Save the product configuration. **(J)**



2. FUNCTIONS OF TAUAPP 2.0

2.1 MODIFY MOTOR PARAMETERS:

By selecting the “Modify motor parameters” box, it will be possible to modify the parameters entered in the App.

To modify a parameter:

1. Select it from the drop-down menu;



2. Once the parameter is selected, a screen opens where it will be possible to type the parameter or modify it with the fill bar;



3. Once the desired value is written or chosen, press the **“Write to control unit”** button to write the parameter;



4. Once the motor parameters have been modified, perform an opening and closing stroke or a stroke setup (safety devices: photocells, sensitive edges, etc. must not be involved) to verify if the modified parameters are correct.

2.2 CONFIGURE VIRTUAL DIP SWITCHES:

By selecting the “Configure dip switches” box, it will be possible to view, activate, or deactivate all the virtual dip switches present in the list of the product you are connected to.

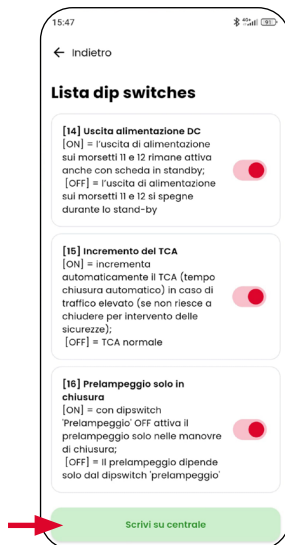
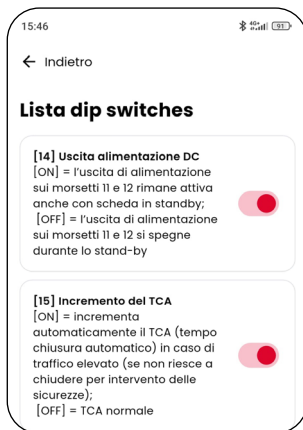
To modify them:

- Select the slider next to the dip switch (red=ON, gray=OFF);

ON = 

OFF = 

- Once the virtual dip switches are activated or deactivated, select the “Write to control unit” button;

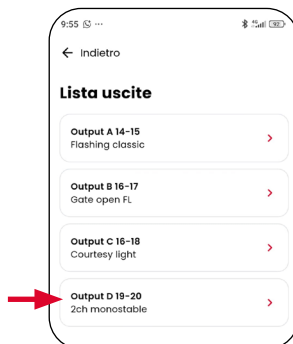


2.3 CONFIGURE OUTPUTS:

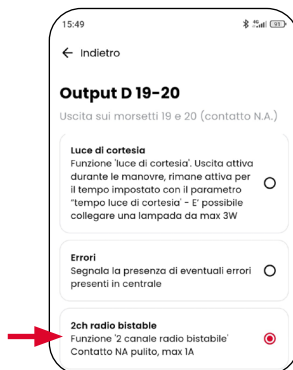
By selecting the “Configure outputs” box, it will be possible to view and modify the configurable outputs (such as the second radio channel) present in the TAU product.

To modify them:

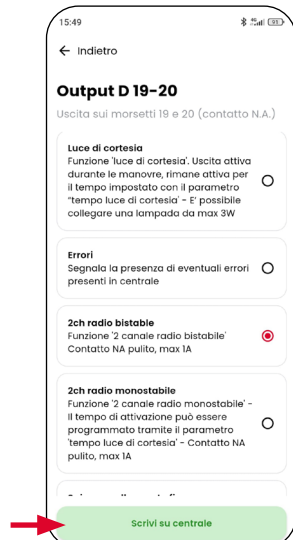
- Select the output you intend to modify from those in the list;



- Select one of the available configurations in the list;



- Select the “Write to control unit” button.



2.4 VIEW PRODUCT DIAGNOSTICS:

By selecting the “Diagnostics” button, it will be possible to view:

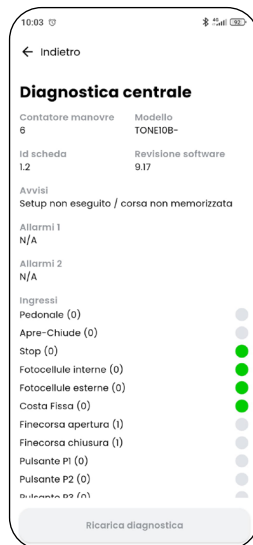
- The count of maneuvers performed by the automation (**the count DOES NOT reset when the product is turned off**);
- The selected motor model;
- The software revision;
- Any error alerts;
- The status of the control inputs and safety devices;

SAFETY CONTACTS LEGEND:

- **Gray dot** = safety contact deactivated, open contact;
- **Green dot** = safety contact active, closed contact;

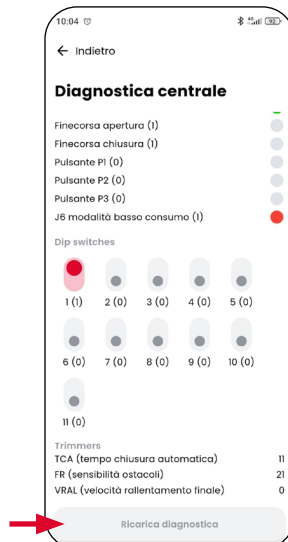
CONTROL CONTACTS LEGEND:

- **Gray dot** = control contact deactivated, open contact;
- **Red dot** = control contact active, closed contact;



- The setting of the physical dip switches in the product;
- The setting of the trimmers;

In the event that it is necessary to update the diagnostics screen following changes made (modification of trimmers, wiring in terminals...), select “Reload diagnostics”;



2.4 UPDATE FIRMWARE:

With BLUEWAY it is now possible to update TAU products safely, without interruptions and without external disturbances.

To perform an update, follow these steps:

- Select “Configure firmware”; (A)
- Select the name of the product to be updated from the list; (B)
- Select the relative firmware; (C)

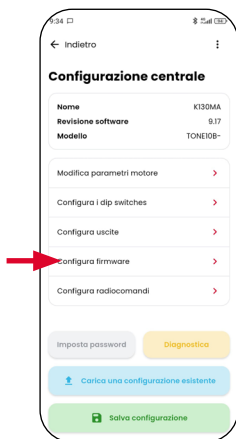


Fig. A

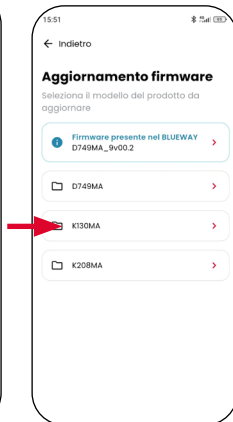


Fig. B



Fig. C

- Wait for the selected firmware to load into the BLUEWAY (maximum waiting time: 5 minutes);



Make sure you have a good and stable internet connection.



- When loading is complete, select “Start update”, in this way the BLUEWAY will start updating the TAU product;

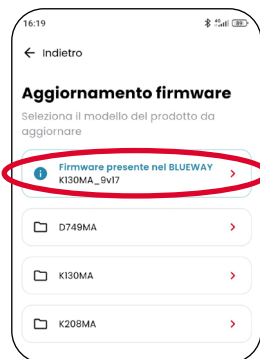


- Wait for the operation to complete (maximum 5 min.).



ATTENTION: if the desired firmware is already present in the BLUEWAY, you can proceed immediately to update the product.

The BLUEWAY always keeps the last installed firmware in its memory. To verify what is inside the BLUEWAY, see the **"Firmware update"** screen and check the section marked as **"Firmware present in BLUEWAY"**.



Failed firmware update: what to do?

In the event that an update is not successful, follow the steps below:

- Turn off the Tau product to be updated;
- Press the buttons written in the "Table: product update", specific for each individual product;
- Turn on the product, keeping the designated buttons pressed;
- With the buttons pressed, open TauApp 2.0 and connect via bluetooth to the BLUEWAY;
- Select **"Configure firmware"**;
- Select **"Firmware present in BLUEWAY"**;



- Select “Start update”;



- After 5 seconds, release the keys previously kept pressed;
- Wait for the operation to complete.



Table: product update

PRODUCT NAME	BUTTONS TO PRESS TO START THE UPDATE
K126MA	CH1+CH2
K127MA	CH1+CH2
K590M	CH2
D749MA	CH1+CH2
D749MA-R	CH1+CH2
D770M	P1+P2
K995MA-B	P1
K995MA-S	P1
K893M	P2
K206MA	CH1+CH2
K208MA	CH1+CH2
K100M	P1
K101M	P1
K124MA	CH1+CH2
K128MA	CH1+CH2
K130MA	CH1+CH2

2.6 CONFIGURE THE TRANSMITTERS:

With TauApp 2.0 and the BLUEWAY device, it is now possible to create and manage radio memories in a few simple steps.

In these paragraphs we will explain how to organize a radio memory before installing the automation, pre-arranging the transmitters requested by the customer and creating virtual transmitters for a future request for additional transmitters.

Through the application, by selecting “**Configure transmitters**” it is possible to:

- Create a new memory;
- Modify an existing memory.



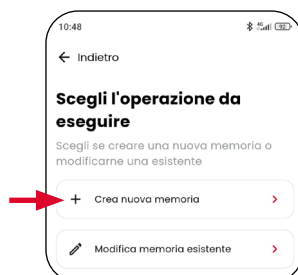
Furthermore, the BLUEWAY offers the following possibilities:

- **Direct connection to the TAU product**, to modify, import, create and write a memory directly at the installation site;
- **Bluetooth connection via smartphone or computer (must support Bluetooth connection) without the TAU product** to:
 1. Create and write an SM memory card directly from your office, and then install the SM card at the customer's site;
 2. Replace virtual transmitters directly from your office, and then deliver the already functioning transmitters to the customer (the previously created memory must have virtual transmitters inside it).

IMPORTANT: to allow points 1 and 2, the BLUEWAY device must be powered via USB-C cable from a computer or a battery charger.

How to create a new memory:

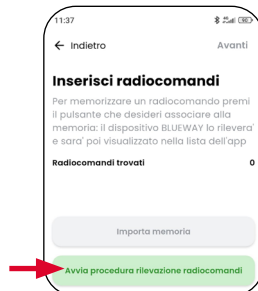
1. Select “+ Create a new memory”;



2. Write the information related to the memory (name and address);
3. Press "Next" to proceed to the next screen;



4. Now it is possible to start the transmitter detection procedure to create a new memory;
Select "Start transmitter detection procedure";



5. Take one transmitter at a time and **PRESS ONLY THE BUTTON YOU WANT TO INSERT** into the new memory.

For example, if you press button P1 to have the transmitter detected, the application will associate P1=CH1 as the functioning button and first radio channel in the memory.



IMPORTANT: by default (in the App settings) the transmitter button and radio channel associations are: P1=CH1 ; P2=CH2 ; P3=CH3 ; P4=CH4.

To modify them:

- go to "Settings" of the App, (fig. A-B);
- select "Transmitter configuration" fig. C;
- modify the associations according to your needs fig. D (example: P2=CH1 or P1=CH3).

It is NOT possible to store more than one button of the same transmitter in the same memory.



Fig.A

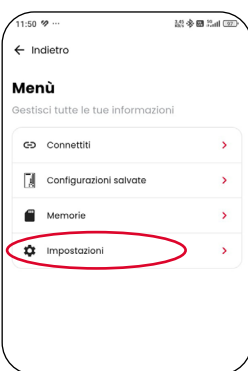


Fig.B

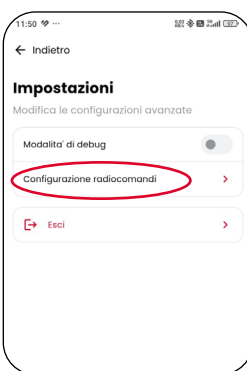


Fig.C

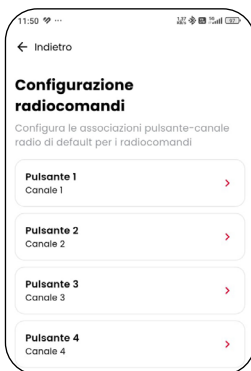
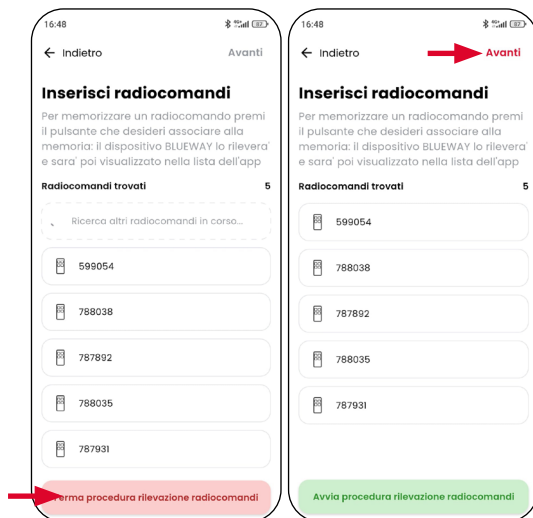


Fig.D

6. In the **"Transmitters found"** list you will find all the transmitters detected by the BLUEWAY, with their serial code next to them;
7. Once the search for transmitters is finished, select **"Stop transmitter detection procedure"** and select **"Next"** to continue to the next screen.

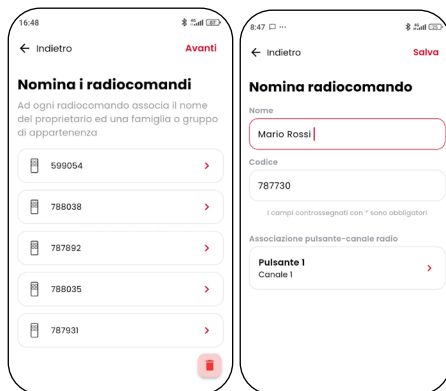


8. In this screen it is possible to delete one or more transmitters or select a transmitter to:

- Name it;
- Check or modify the button/radio channel association;

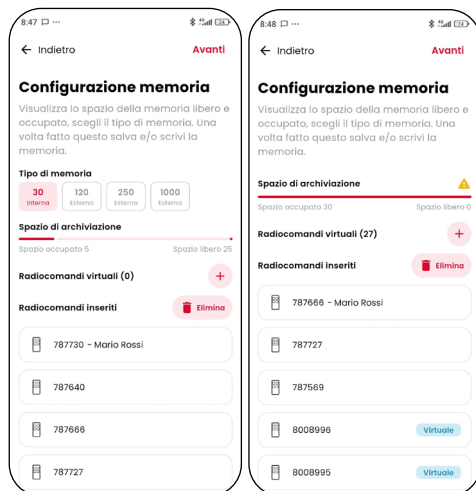
Press **"Save"** to save the changes made or **"Back"** to return to the screen with the list of transmitters.

Select **"Next"** to proceed to the **"Memory configuration"** screen.



9. In the **"Memory configuration"** screen:

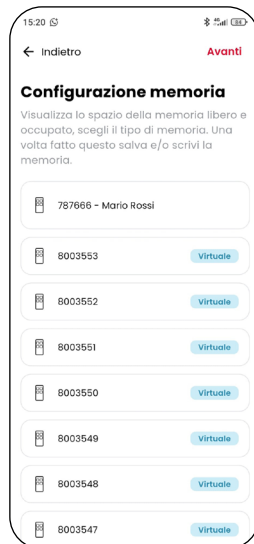
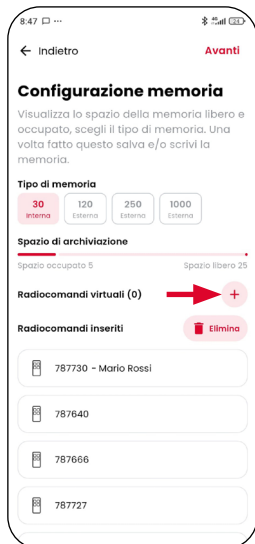
1. choose the type of memory available, between internal or external (30, 120, 250 or 1000 transmitters);
2. view the occupied and free space in the memory;
3. create virtual transmitters (+). *With a new memory, it is recommended to always create virtual transmitters as well, so as to fill all the available space. In the future, they will allow you to add new transmitters directly from the office, without interventions at the customer's site, reducing time and costs.*



How to create virtual transmitters:

It is recommended to always create virtual transmitters so as to fill all free space. Virtual transmitters will be useful in the future, for example when a condominium manager asks for 20 new transmitters, the technician who built the system WILL NOT have to go and store them directly at the customer's site, but can do it in his office, thus reducing time and expenses.

To create virtual transmitters:



1. Select the "+" button next to "Virtual transmitters (0)";
2. The App will automatically suggest the maximum number of virtual transmitters to fill the memory. The number is however modifiable;
3. Select "Insert" to create the virtual transmitters;
4. The virtual transmitters created will be marked with the word "Virtual", so as to identify them from the real ones;

Select "Next";

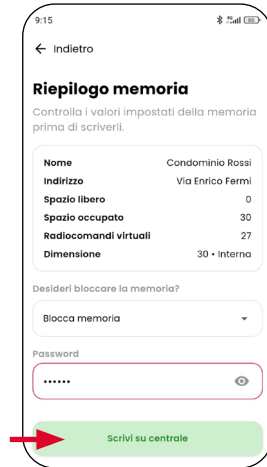
5. In the “Memory summary” you can see the main data

In the event that the **BLUEWAY is not connected** to a Tau product or there is no memory card (SM) inserted, press “Conclude” (Fig. A) to save the newly created memory.



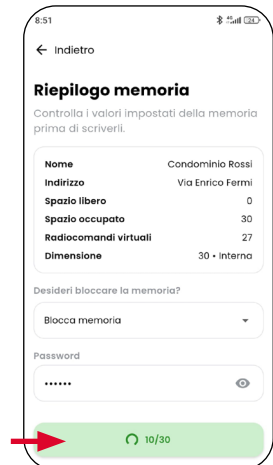
A.

In the event that the **BLUEWAY is connected** to a Tau product or has a memory card (SM) inserted, before pressing “Write to control unit” (Fig. B) it is possible to lock the newly created memory via password. **This is a recommended choice to prevent tampering by third parties**



B.

6. The progress of the writing is visible in the box below.



How to write a memory onto Tau devices at a later time:

After creating the memory on the application, it is now possible to write it on Tau devices by connecting the BLUEWAY to the product or inserting the memory card (SM).

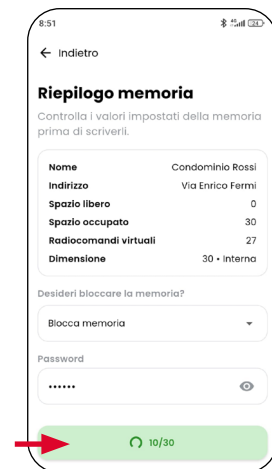
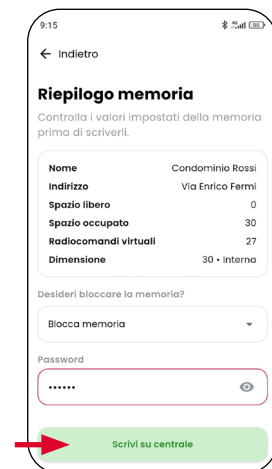
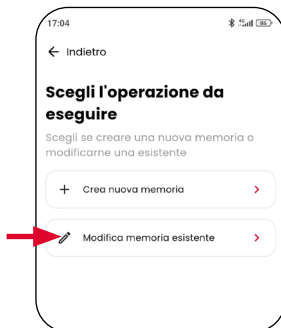
1. Select "Modify existing memory";
2. Press "Next" until you reach the "Memory summary" screen;

3. In the "Memory summary" you can see the main data.

Here it is possible to lock the previously created memory via password. **This is a recommended choice to prevent tampering by third parties.**

Press "Write to control unit" to write the memory;

4. The progress of the writing is visible in the box below.



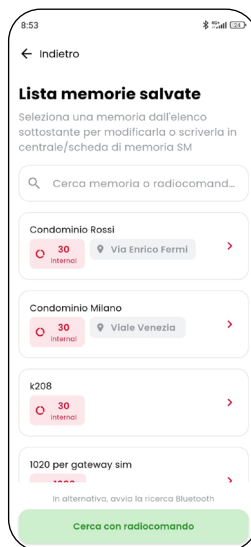
How to replace a virtual transmitter with a real transmitter:

To create a new real transmitter to give to the customer, where a memory with virtual transmitters has already been prepared, follow these steps:

1. Power the BLUEWAY via USB-C cable;
2. Connect to the BLUEWAY via computer or smartphone and select **"Connect via Bluetooth"**;
3. Select **"BLUEWAY"** to allow connection;
4. Select **"Configure transmitters"** and subsequently **"Modify existing memory"**;

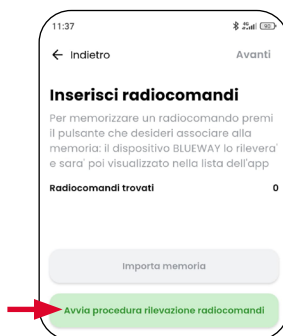


5. Search for the desired memory in the list, or through the **"Search memory or transmitters"** bar, in which it is possible to search by the name of the memory to be modified or by the name assigned to a transmitter;



Select the desired memory;

6. Now it is possible to start the detection procedure of the real transmitter to be paired with a virtual transmitter. Then select **"Start transmitter detection procedure"**;



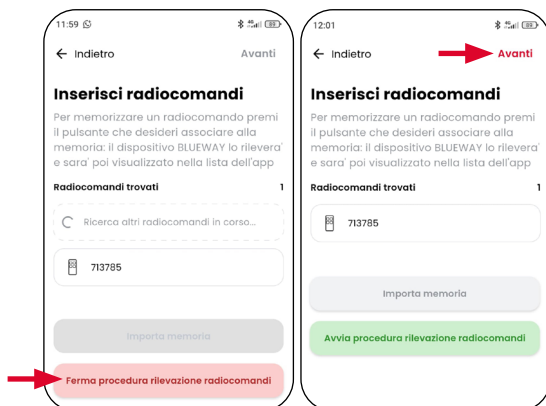
- Take a transmitter and press the button to make it memorized by the BLUEWAY. If desired, it can be memorized by multiple transmitters in succession;

All transmitters memorized by the BLUEWAY will appear in the list, with their serial code written;



- Once the procedure is finished, select **“Stop transmitter detection procedure”** and select **“Next”** to continue to the next screen;

- Select **“Next”** to proceed to the **“Memory configuration”** screen;

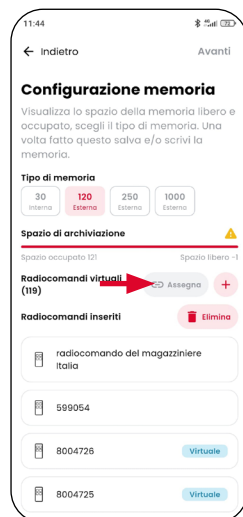


- In the **“Memory configuration”** screen, it is now possible to replace the virtual transmitters with real ones;

- Select **“Assign”**;

- Start the replacement procedure:

- Take one transmitter at a time previously paired with the BLUEWAY;
- Press buttons P1 and P2 simultaneously to open the procedure (see the table for the identification of the correct buttons), until the green LED starts making 3 quick flashes every 2 seconds. Now you will have 30 seconds of time to execute the next step;
- Place the transmitter on top of the BLUEWAY, as indicated in the **“Table: transmitter positioning”**.



- Select **“Start procedure”**;
- Wait for the message **“Transmitter assigned successfully”** to appear;
- Remove the transmitter and continue with other transmitters to be replaced by repeating the procedure from the second step.

Now it is possible to deliver the new transmitters to the customer.

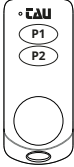
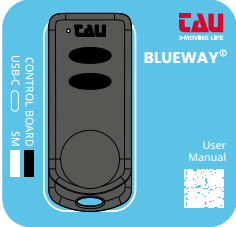
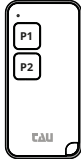
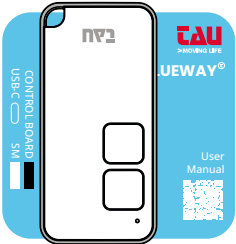
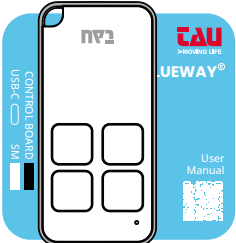
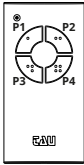
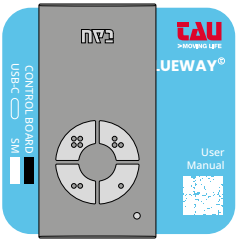


WARNING:

- The new transmitter needs 10 cycles to function correctly, so the customer, once arrived near their automation, will have to press the button 10 times, slowly. Let's take for example button P1 of the new transmitter, which must open a sliding gate:
 - press P1, nothing happens;
 - press P1, the gate moves;
 - press P1, nothing happens;
 - press P1, the gate moves;
 - like this for 10 times, after which the transmitter will work normally.

This procedure serves to “introduce” the new transmitter to the memory and cause it to swap with a virtual one. The number of attempts is 10, to avoid exhausting them along the way or to avoid pressing the button by mistake and resetting the count.

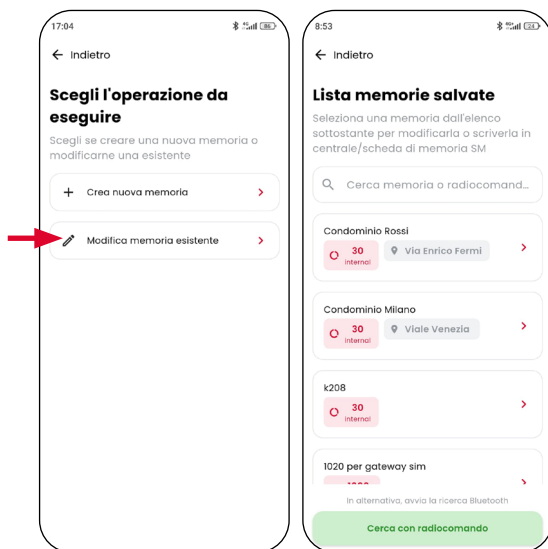
Table: transmitter positioning

TRANSMITTER NAME	BUTTON COMBINATION	BUTTONS PHOTO	POSITION PHOTO ON BLUEWAY
P-250K-SLIMRP	P1+P2		
P-250M-2RP	P1+P2		
P-250S-2RP	P1+P2		
P-250S-4RP	P1+P2		
P-250T-4RP	P1+P2		

Full memory, how to replace with a higher capacity memory:

In the event that it becomes necessary to replace, for example, a 120-transmitter memory with a 250-transmitter memory, follow the procedure:

1. Insert a memory card (SM) into the BLUEWAY or into the Tau product, with a larger capacity than the previous one.
2. Select **"Modify existing memory"**;
3. Search for the desired memory, through search by name or by transmitter, and select it;
4. In the two screens that will appear next, select **"Next"**;



5. Once you reach the **"Memory configuration"** screen, select a memory with larger capacity;

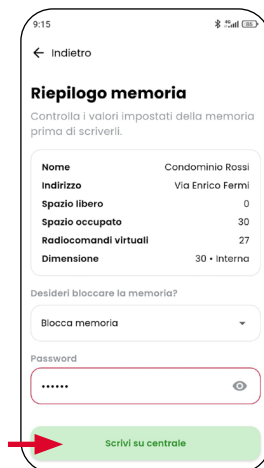
Press **"Next"**;

You can then proceed to insert new transmitters or create new virtual transmitters, thus completely filling the capacity of the new memory.



6. In the “Memory summary” you can see the main updated data.

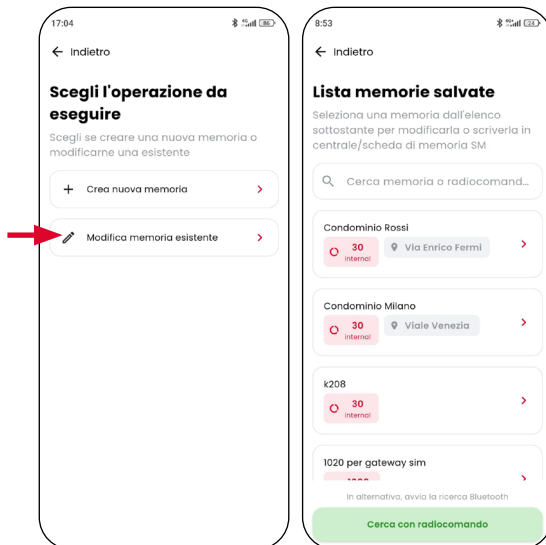
Press “Write to control unit” to write the memory;



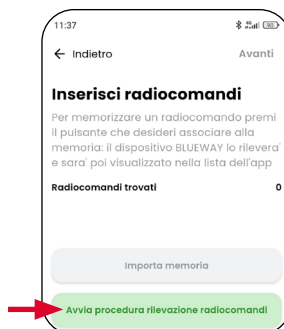
How to store new transmitters on an existing memory:

In the event that virtual transmitters were not created and it becomes necessary to add new real transmitters, proceed as described below:

1. Connect to the TAU product with the BLUEWAY and the App;
2. Select “Modify memory”;
3. Search for the desired memory, through search by name or by transmitter;



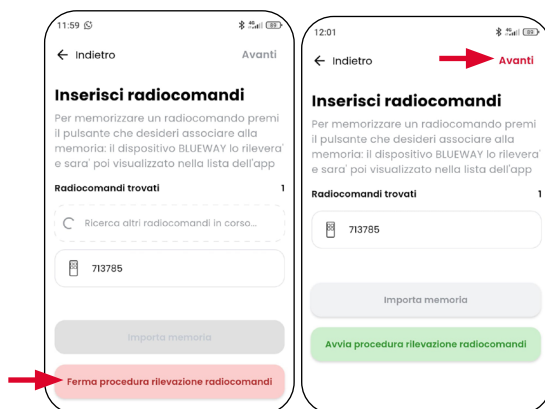
4. In the following screen it is possible to start the transmitter detection procedure. Select “Start transmitter detection procedure”;
5. Take one transmitter at a time and **PRESS ONLY THE BUTTON YOU WANT TO ASSOCIATE** with the memory;



6. In the list of transmitters found, all transmitters detected by the BLUEWAY will appear, with their serial code written;



7. Once the transmitters are finished, select **"Stop transmitter detection procedure"**. Select **"Next"** to continue to the next screen;

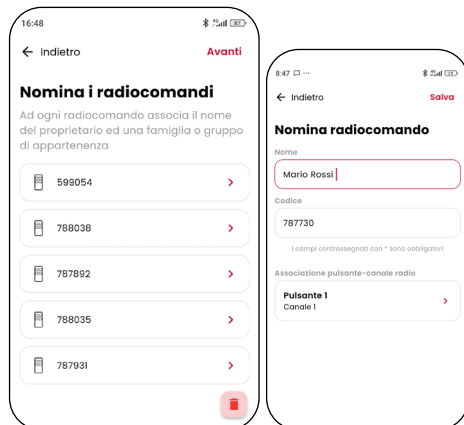


8. In this screen it is possible to delete one or more transmitters or select a transmitter to:

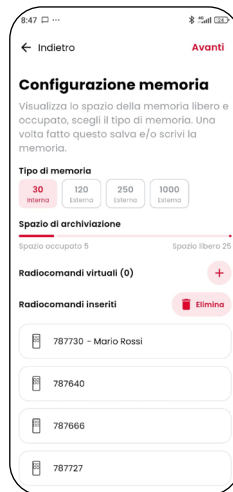
- Name it;
- Check or modify the button/radio channel association;

Press **"Save"** to save the changes made or **"Back"** to return to the screen with the list of transmitters.

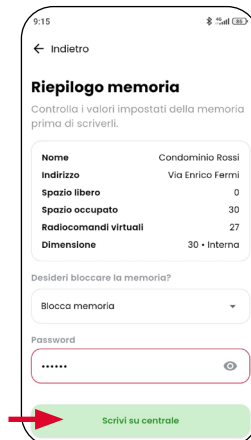
Select **"Next"** to proceed to the **"Memory configuration"** screen.



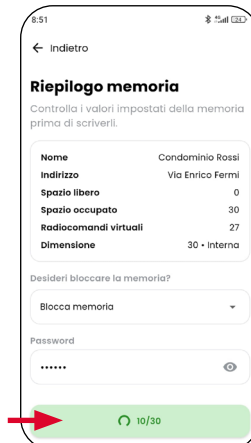
9. In the **"Memory configuration"** screen, it is possible to view the occupied and free space in the memory;
10. Once the final check of the memory is performed, select **"Next"**;



11. In the **"Memory summary"** screen, select **"Write to control unit"** to insert the new transmitters into the memory;



12. The progress of the writing is visible in the box below.

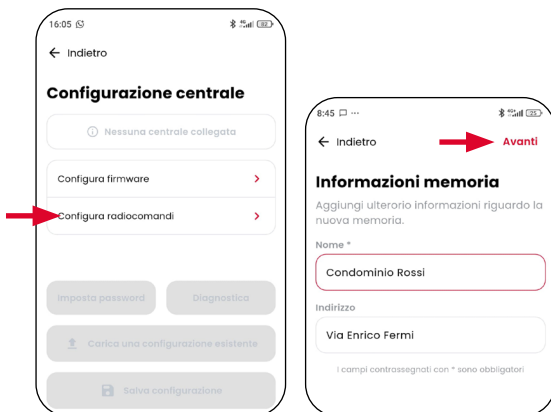


How to import an “old” memory from a memory card (SM):

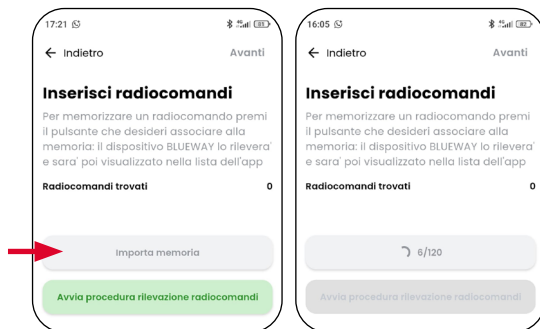
It is possible, if necessary, to import into the new TauApp 2.0 a memory created with the old “Tausoft” system or manually beforehand.

To import an old memory, perform the following steps:

1. Insert a memory card (SM) into the connector of the BLUEWAY;
2. Power the BLUEWAY via USB-C cable;
3. Open the TauApp 2.0 application and select **“Blueway”**;
4. Select **“Configure transmitters”** and subsequently **+ Create a new memory”**;
5. Enter the name and address of the installation;
6. Select **“Next”**;



7. Select **“Import memory”** and wait for the operation to complete;

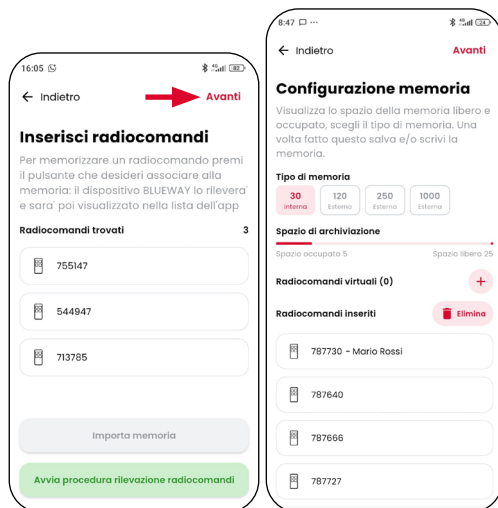


8. In the same screen, once the import is finished, it will be possible to see all the transmitters found in the old SM card;
9. Select “Next” until you reach the “Memory configuration” screen;

Select the type of memory and create the virtual transmitters;

Select “Next”;

10. Once you reach the “Memory summary”, lock the memory and enter the password (recommended choice) and save the memory always in the same memory card (SM).



2.7 SET A PASSWORD:

By selecting “Set password” it will be possible to set a password, which will be requested at each access to the specific TAU product in which it will be inserted.

This will allow only those who have set or know the password to connect to this product, so as to preserve the system from tampering by third parties.

The password must consist of 6 alphanumeric characters.



WARNING: if you lose the password, it will not be possible to recover it in any way, it is therefore recommended to use the same password for every TAU product. In case of password loss, the product must be sent to TAU for a reset.

2.8 SAVE PRODUCT CONFIGURATION:

By selecting the “Save configuration” box you can:

- Save the configuration of the modified parameters (motor speed, second radio channel, dip switch...), to load it into another product of the same model (example K130MA on K130MA);
- Name the saved configuration and write the address of the installation;
- Load the configuration in case of product replacement with another of the same model (for example, gate control unit burned out by lightning).



2.9 LOAD A CONFIGURATION INTO THE PRODUCT:

By selecting the “Load an existing configuration” box, it will be possible to load a previously saved product configuration, in case of identical automations where it was necessary to modify the motor speeds, for example, or in case of product replacement (in the case of a gate control unit burned out by lightning).

In this case, the parameters related to the motor, the virtual dip switches, and the configurable outputs will be loaded.



WARNING: information related to transmitters and the stroke will not be loaded, it will therefore be necessary to perform the stroke setup. For transmitters, see the paragraph:

3. LIST OF PRODUCTS COMPATIBLES WITH BLUEWAY

Scan the QR code to check the always updated product compatibility table with BLUEWAY:



4. TAU CLOUD SERVICE

If you wish to use the Tau Cloud service, where a copy of the files (saved configurations, saved and created radio memories) will be saved, contact the sales department to stipulate the annual contract.

It is recommended to join the cloud service to preserve the saved data in case of replacement/breakage of the smartphone/PC.

Sales department contacts:

Barbara Zenere: tau01@tauitalia.com



Via Enrico Fermi, 43 - 36066 Sandrigo (VI) - Italy
Tel +39 0444 750190 - Fax +39 0444 750376
info@tauitalia.com - www.tauitalia.com



Foglietto illustrativo

CARTA - Raccolta differenziata. Segui le indicazioni del tuo comune. (N.B.: togliere i punti metallici)



Instruction leaflet

PAPER - Waste separation. Follow the instructions of your city hall. (Note: remove the staples)