



EGO



<https://is.gd/YUtY7B>



EGO PLUS V1.1
Universal multi-frequency transmitter
(433.92 to 868.80 MHz) 4-channel



<https://is.gd/rrQFWK>



EGO KUBE V1.
Universal multi-frequency transmitter
(433.92 to 868.80 MHz) 6-channel

USER MANUAL

For full and up-to-date instructions
see the website www.abexo.tech





Check out the full range of special transmitters in the ABEXO catalogue

Request the catalogue at info@abtecono.com



It is important that the battery on the original radio control to be copied is at maximum charge in order to provide a clean signal. A new battery is recommended.

Also, carry out the radio control copying operation away from radio frequency sources such as mobile phones, wifi modems or other emitters.

BATTERY REPLACEMENT ON EGO-PLUS AND EGO-KUBE RADIO CONTROLS



To replace the battery on the **EGO-PLUS** radio control unit, the screw at the rear must be unscrewed and the back cover must be removed from the front cover.



On the **EGO-KUBE** radio control unit, to replace battery, it is necessary to unscrew the screw on the back and act with a small slotted screwdriver in the 2 areas as shown in the picture.



TABLE OF CONTENTS

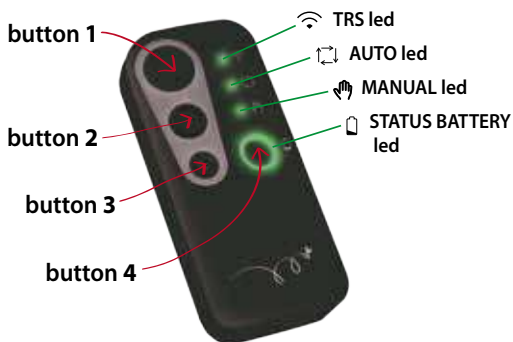
General information	pag. 4
1 - Introduction	pag. 4
2 - Radio control symbols and LED signals	pag. 4
3 - Memorisation of a special "GROUP A" rolling code radio control (BFT - FAAC/GENIUS - V2)	pag. 5
4 - Memorisation "GROUP B" rolling code radio control	pag. 12
5 - Memorisation of a fixed code "GROUP C" radio control	pag. 17
6 - Copy of a rolling serial code	pag. 18
7 - Copy a fixed serial code	pag. 20
8 - Copy all keys of the original radio control	pag. 21
9 - Transmission of the original code from an EGO PLUS/KUBE	pag. 23
10 - Programming procedure receiver with self-learning	pag. 23
11 - Receiver programming procedure	pag. 24
12 - Errors and solutions	pag. 25
Technical Specifications EGO-PLUS/EGO-KUBE	
General Warnings	
Safety standards	pag. 26
Warranty	
Personalization EGO-PLUS/ EGO-KUBE transmitters	pag. 27

All trademarks listed belong to their respective owners; third party trademarks, product names, brand names, corporate names and company names mentioned may be trademarks of their respective owners or registered trademarks of other companies and have been used purely for explanatory purposes and for the benefit of the owner, without any intention of infringement of copyright law.

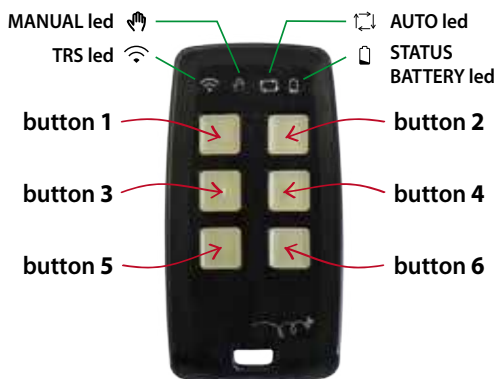
All information and content (text, graphics and images) are reported, to the best of our knowledge, in the public domain; if, unintentionally, material subject to copyright or in violation of the law has been published, please notify us and we will immediately check it and remove it if necessary.

AB Tecno srl reserves the right to make appropriate changes to the product and its instructions at any time.

GENERAL INFORMATION



EGO PLUS



EGO KUBE

1 - INTRODUCTION

The EGO KUBE and EGO PLUS are 6- and 4-channels radio remote controls with their own Rolling-code for safe management of residential automations.

The advanced functions of the microprocessors used enable them to copy fixed-code and Rolling-code radio controls with frequencies from 433.92 MHz to 868.3 MHz present in the compatibility lists in sections 3-4-5. The copy allows to associate each EGO KUBE and EGO PLUS button with a button of the original radio control of different models and brands, to permit the **management of all automations with a single radio control**.

2 - RADIO CONTROL SYMBOLS AND LED SIGNALS

The EGO KUBE and EGO PLUS radio controls have four signalling LEDs to confirm to the user that operations have been carried out.



TRS LED (automatic recognition on the receiver): indicates that the EGO PLUS/KUBE is transmitting or, when copying is finished, indicates that the EGO PLUS/KUBE button **does not need to be memorised on the original receiver** (when copying is finished, it will therefore not need to be memorised on the receiver).



AUTO LED (self-learning on the receiver): once copying is complete, it indicates that the key of the EGO PLUS/KUBE with inside the radio control copied, **must be memorised in the original receiver** (at the end of copying, you will have to bring it closer to the receiver to have it self-learn directly without having to access to the board).



MANUAL LED (programming on the receiver): once copying is complete, it indicates that the EGO PLUS/KUBE button with inside the radio control copied **must be memorised in the original receiver through the programming** (at the end of copying, the receiver card must be accessed to physically activate the learning procedure for a new radio control).



BATTERY STATUS LED: its power on during transmission indicates that the battery is low, replace it with an equivalent (see paragraph BATTERY).

3 - ROLLING CODE RADIO CONTROL MEMORISATION (special radio controls with dedicated instruction)

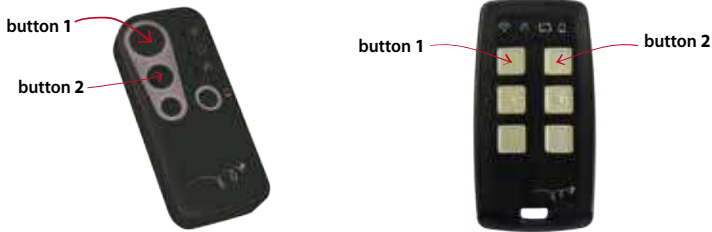
GROUP A

BRAND	MODEL	TYPE
BFT	MITTO, MITTO M, MITTO RCB, MITTO A, TRC, GHIBLI, MURALE, KLEIO	
FAAC	TML 433SLH, DL 868 SLH, XT 868 SLH, XT 433 SLH, T 868 SLH, T 433 SLH, XT 868, SLH BLACK, XT 433 SLH BLACK	
	XT 433 RC, TE433HG, XT4 433 RCBE	
GENIUS	AMIGOLD, AMIGO, KILO, JCL	
GENIUS	BRAVO, ECHO	
V2	TSC, TXC, TRC, HANDY, PHOENIX, PHOX 433	

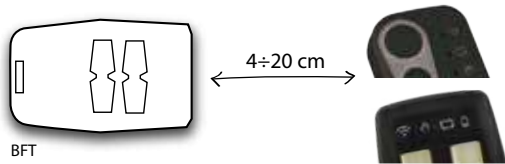
BFT ROLLING CODE RADIO REMOTE CONTROLS

A) Entry into programming

Press and hold the **button 1** on the EGO PLUS/KUBE and press the **button 2** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

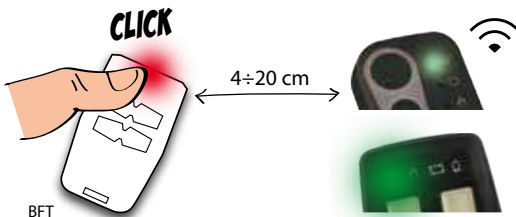


Release the buttons and position the remote control unit BFT in front of the EGO PLUS/KUBE at a distance of approx. 4÷20 cm.



B) Programming

Press and hold the button on the BFT radio control until the **TRS LED** on the EGO PLUS/KUBE stays on, then release it

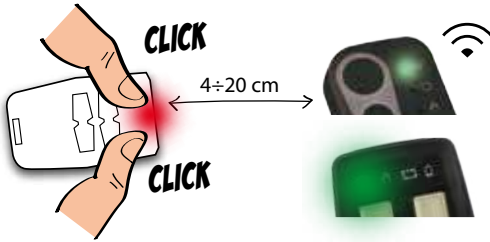


WARNING! If you press and hold the radio control button and the **TRS LED** continues to flash slowly, the code has not been successfully learnt, consult the "ERRORS AND SOLUTIONS" paragraph.

When the **TRS LED** starts flashing twice, send the original remote control code (SEED):

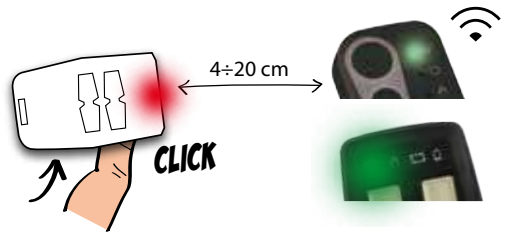
for newer models

press **buttons 1 and 2** simultaneously until the **TRS LED** of the EGO PLUS/KUBE starts flashing rapidly, then release them.



for models with button on the back

Press the **hidden button** on the back of the remote control depending on model (see table *).



Press the EGO PLUS/KUBE button in which you wish to memorise the original remote control (for example button 1 as in picture C). The **TRS LED** will light up for a few seconds.



pic. C



C) Rolling Code Group A (BFT) radio transmitters receiver insertion type.

These transmitters programmed with the BFT rolling code belong to the **AUTO LED** insertion type.



AUTO LED: the remote control button EGO PLUS/KUBE has memorised the code of the radio control that has just been copied and **needs to be stored in the original receiver** by following the self-learning procedure indicated in paragraph 10.

NB1: the copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

NB2: in case of a failure to self-learn, consult the receiver's manual as some receivers need a remote self-learning, via Dip-Switch or Jumper.

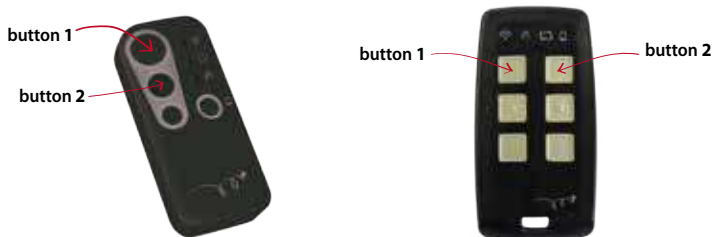
(*) Identification table BFT remote control hidden button

MODEL	HIDDEN BUTTON LOCATION
	MITTO 2A / 4A Sending the SEED code through a button hidden on the back of the remote control.
	MITTO 2A / 4A Sending the SEED code by pressing the first and second button (both versions, 2-buttons and and 4-buttons) until the LED lights up.
	MITTO B Sending the SEED code by pressing the first and second button (both versions, 2-buttons and and 4-buttons) until the LED lights up.
	MITTO REPLAY Does not duplicate as it does not generate any seed code. It copies the rolling code of a MITTO and does not memorise itself on the receiver, it just becomes a clone of the MITTO.
	TRC 1 / 2 / 4 Has the button hidden inside the battery cover.

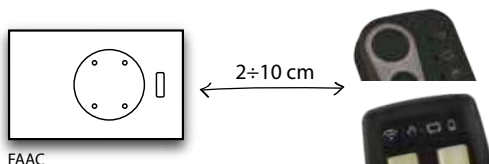
FAAC/GENIUS ROLLING CODE REMOTE CONTROLS

A) Entry into programming

Press and hold the **button 1** on the EGO PLUS/KUBE and press the **button 2** four times. The **TRS LED** starts flashing slowly (a flash every 2 seconds approx.)

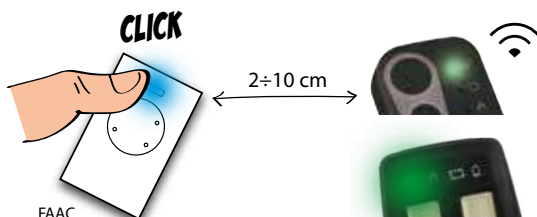


Release the buttons and place FAAC/GENIUS radio control in front of the EGO PLUS/KUBE about 2÷10 cm away.



B) Programming

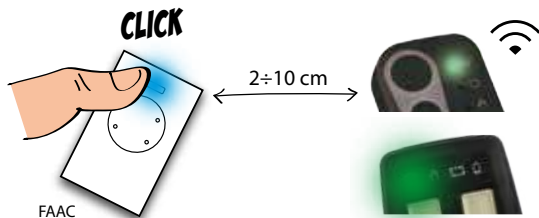
Press and hold the button on the FAAC/GENIUS radio control until the **TRS LED** on the EGO PLUS/KUBE is constantly on, then release it.



WARNING! If you press and hold the FAAC/GENIUS button radio control, the **TRS LED** continues to flash slowly and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS"

When the **TRS LED** starts to flash twice, move the 2 radio controls apart, simultaneously press FAAC/GENIUS remote control **buttons 1 and 2** for about 3 seconds and release them when the remote control LED starts to flashing.





Reposition the two radio controls in front at a distance of approximately 2÷10 cm and press the FAAC/GENIUS radio control button previously pressed, until the **TRS LED** of the EGO PLUS/KUBE starts flashing rapidly, then release it.

Press the EGO PLUS/KUBE button in which you wish to memorise the original remote control (for example button 1 as in picture C). The **TRS LED** will light up for a few seconds.



C) Rolling Code Radio (FAAC/GENIUS) receiver insertion type Group A.

These transmitters programmed with the FAAC/GENIUS rolling code belong to the **TRS LED** insertion type.



TRS LED: the EGO PLUS/KUBE button has memorised the radio control code just copied and **it will already be operating with the original receiver**. Press the EGO PLUS/KUBE button several times to verify the correct operation on the original receiver.

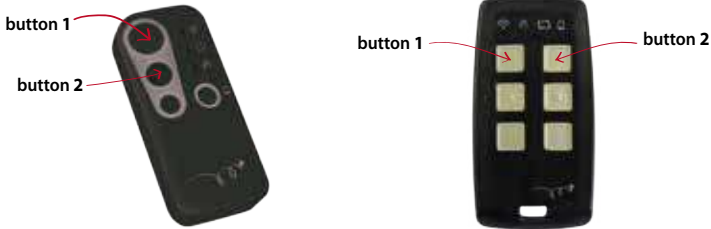
NB1: the FAAC/GENIUS radio control button copied from the EGO PLUS/KUBE must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

NB2: if you need to copy other FAAC/GENIUS transmitter buttons, repeat the operation for all remaining buttons.

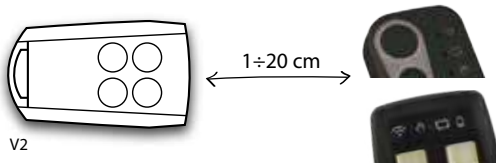
V2 ROLLING CODE TRANSMITTER

A) Entry into programming

Press and hold the **button 1** on the EGO PLUS/KUBE and press the **button 2** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

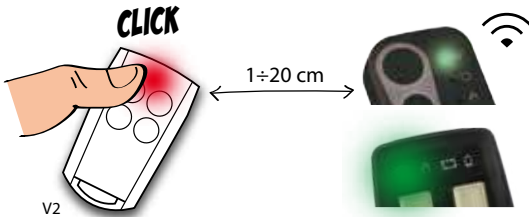


Release the buttons and place the V2 remote control in front of the EGO PLUS/KUBE at a distance of approx. 1÷20 cm.



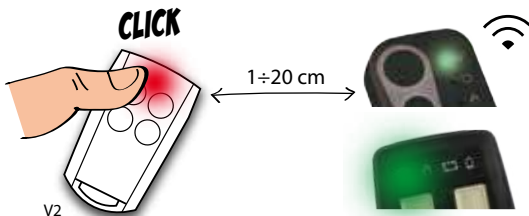
B) Programming

Press and hold the V2 remote control button until the **TRS LED** on the EGO PLUS/KUBE is still on, then release it.



WARNING! If you press and hold the V2 button radio control the **TRS LED** continues flashing slowly and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

When the **TRS LED** starts to flash twice, press and hold the same button on the V2 radio control as previously pressed, until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



Press the EGO PLUS/KUBE button in which you wish to memorise the original remote control button (for example button 1 as in picture C). The **TRS LED** will light up for a few seconds.



C) Rolling code radio receiver insertion type Group A (V2)

These transmitters programmed with the V2 rolling code belong to the **AUTO LED** insertion type.



AUTO LED: the EGO PLUS/KUBE button has memorised the radio control code just copied and **needs to be memorised in the original receiver** by the self-learning procedure indicated in paragraph 10.

NB1: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

NB2: in case of a failure to self-learn, consult the receiver's manual as some receivers need a remote self-learning, via Dip-Switch or Jumper.

4 - ROLLING CODE REMOTE CONTROL MEMORISATION

GROUP B



does not need to be memorised in the original receiver



it is necessary self-learning on the receiver



it is necessary to memorise it manually on the original receiver

BRAND	MODEL	TYPE
ACM	TX2, TX2 COLOR, TX4	
ADYX	TE4433H BLUE, 433-HG BRAVO	
AERF	COMPACT, HY-DOM, MERCURI B, MERCURI C, SABUTON, MARS, SATURN, ST3/N, TERRA, TMP-1, TMP-2, UNITECH	
	MEDVA	
ALLMATIC	BROWN, BROWN RED, BRO.OVER, PASS, MINIPASS, TECH3	
ALUTEC	AT-4N-868	
APERTO (Sommer)	4020-TX03-434, TX02-434-2, TX02-868-2	
APRIMATIC	TR, TM4, TXM	
ATA	PTX4 BLU, PTX4 PINK	
AVIDSEN	104251, 104250, 104250 OLD, 104250 RED, 104257, 104350, 654250	
BALLAN	FM400, FM400E	
BeB PROGET	BUGGY-F, EMY-F2, EMY-F4, ETY-T2, ETY-T4, EMY-C2, EMYC-4, BUGGY-C	
BENINCA	TO. GO. WV, TWV, ROLLKEY, APPLE, LOT WCV, CUPIDO, TO.GO. QV	
	IO	
CAME	TTS 44 FSK	
	TOP 44 RBN, TOP D4 FRN, TOP 44 FGN, TOP 42 FGN	
	TW 2 EE, TW 4 EE	
	AT 01, AT 02, AT 04	
	TOP D2 RGS, TOP D2 RBS, TOP D2 RKS, TOP D2 RYS, TOP D2 RES, TOP D2 RPS, TOP D4 RGS, TOP D4 RBS, TOP D4 RKS, TOP D4 RYS, TOP D4 RES, TOP D4 RPS Dual-frequency remote control: can only be copied by setting the transmitter frequency to 433.92 or 868 MHz	
	TOP 432 EE, TOP 432 NA, TOP 432 EV	
	TOP 434 EE, TOP 434 NA, TOP 434 EV	
CARDIN	TRQ S449, TRQ S449 GREEN (PRECODE), TXQ S449, TXQ S449, GREEN, TRQ S486, TXQ S486, S437 TX, XRADO	
	S504, S504-C2, S504-C4, S508-C2, S508-C4	
CASALI	GENIUS/CASALI A252RC	
CHAMBERLAIN, LIFT MASTER, MOTOR LIFTCHAMBERLAIN, LIFT MASTER, MOTOR LIFT	953ESTD, 371 LM, 971 LM, 84330E, 94334CE, 1A5639-7, 1A5477, 1A6487, 132B2372, 94330EML/9333EML/94335EML, 84330EML/84333EML/84335EML, 8747EML	
CLEMSA	MUTANCODE, T, T-8, E-CODE N	
	MASTERCODE MV Attention: fixed code	
DASPI	ZERO RC	
DEA SYSTEM	PUNTO 278, GOLDR, GENIE R 273, GENIE R-GT2N, MIO TR, GT2M, TRN	



does not need to be memorised in the original receiver



it is necessary self-learning on the receiver



it is necessary to memorise it manually on the original receiver

GROUP B

BRAND	MODEL	TYPE
DETUMANDO	STANDARD	
DITEC	BIXLP, GOL2, GOL4, BIXLG, ZEN 2C, ZEN 4C	
DOORHAN	TRANSMITTER 4	
DOORMATIC	MILENY, MILENY-EVO	
ECOSTAR	RSC, RSE, RSZ	
EMFA	TE2-433, TE3-433, TE2-868, TE3-868	
ERREKA	IRIS, ROLLER 2, ROLLER 433, ROLLER 868, SOL433, SOL868, VEGA 433, VEGA 868	
FADINI	JUBI-SMALL, JUBI 433	
GARDENGATE	GARDENGATE TX	
GENIE	GITR-3, GIT, GICT390, GIFT390-1, G3T-BX, G1T-BX, GM3T, GICTD, GIFTD	
GIBIDI	AU1600, AU1600 WOOD, AU1680, AU1680 WOOD, DOMINO	
HÖRMANN	HSE1-868-BS, HSE2-868-BS, HSE4-868-BS, HS1-868-BS, HS4-868-BS, HS5-868-BS To copy Hormann remote controls, wait until the LED on the original remote control starts flashing red/blue. To do this, press and hold the button on the Hormann remote control for more than 10 seconds. To confirm the correct storage, the LED on the KUBE remote control will start flashing rapidly. N.B.: if Hoermann doors are used on Supramatic or Promatic motors, the copies must be stored manually in the control unit using the button on the motor.	
KBLUE	ETH-TEL01	
KEY	900TXB-42R, TXB 44R, SUB 44R	
KING GATES	CLIPPER, STYLO	
KLING	KUA, KUA E, KUA S	
LABEL	SPYCO	
LIFE	FIDO	
LINEAR	MCT-11, ACT-21, ACT-22, STING RAY ACT-31, STING, RAY ACT-34B	
MERLIN 2.0	E945M, E943M, E940M	
MERLIN/PROLIFT	C945, C940, C943, M842, M844	
MHOUSE	TX3, TX4, GTX4	
MOOVO	MT4G	
NICE	SMILO, FLOR-S, VERY-VR, FLOR-S ERA ONE (ON), ON ERA, INTI, ERGO, PLANO, ONE (ON FM)	
NORTON	NEO, TXCD GO NORTON, GO MINI NORTON	
NOVOFERM	MCHS, MICRO-NOVOTRON 502, MINI-NOVOTRON, 504, MICRO-NOVOTRON 502, MICRO-NOVOTRON, 504, MICRO-NOVOTRON 31, MICRO-NOVOTRON 51, MINI-NOVOTRON 30, MINI-NOVOTRON 50, MNHS	
NORMSTAHL	RCV433-2	
O&O	TX, T.COM R4-2, T.COM R8-2, TWIN, TX (NEO), ALFA, TORRES	



does not need to be
memorised in the
original receiver



it is necessary
self-learning on the
receiver



it is necessary to
memorise it manually
on the original receiver

GROUP B

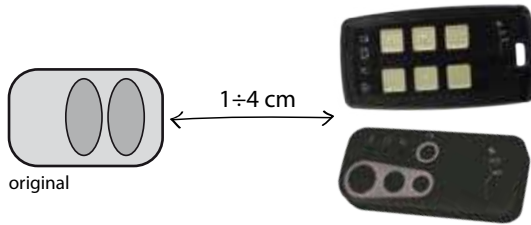
BRAND	MODEL	TYPE
PECCININ	TX MENBRANA	
PRASTEL	MTE, MPSTLE, MPSTP2E, TCE, BFOR, TRQ-P, SLIM-E	
PUJOL	TWIN, VARIO, VARIO MARS, VARIO OCEAN, NEO <i>Attention: possible non-duplicable personalisation</i>	
RIB	LITHIO	
ROPE	NEO	
	GO ROPER, GO MINI ROPER	
SABUTOM	BROOVER, BROSTAR	
SEA	HEAD, SMART DUAL ROLL, SMART-3 ROLLING CODE, COCCINELLA ROLL	
SEAV	BE HAPPY RS	
SECULUX	NEO	
SILVELOX	Mhz 2007, QUARZ SAW	
SIMINOR	CVXNL, MITTO	
	SIM433	
SOMFY	K-EASY, K-EASY NEW, K-EASY OLD, MITTO, KEY GO, RTS, TELIS RTS, KEYTIS RTS, KEYTIS RTS NS, ALARMA	
SOMMER	4010, 4011, 4014 TX03-434-2, 4013 TX03-434-4, 4020 TX03-868-4, 4026 TX03-868-2, 4022 TX02-434-2, 4025 TX02-868-2, 4031 TX08-868-4	
STAGNOLI	KALLISTO, VENUS AV223	
TAU	250K-SLIMRP, 250K-SLIMR, 250T-4RP	
TELCOMA	FM400E, FM400	
TORREC	H101	
TOR LIFT	TORMIT4	
VDS	ECO-R, TRQ P	

A) Entry into programming

Press and hold the EGO PLUS/KUBE **button 1** and press the **button 2** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

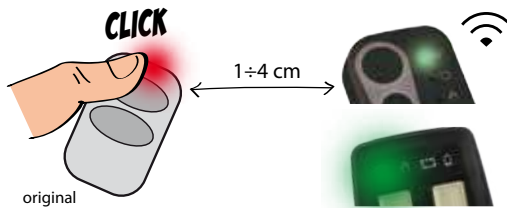


Release the buttons and place the original remote control in front of the EGO PLUS/KUBE at a distance of approx. 1÷4 cm.



B) Programming

Press and hold the button on the original remote control until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



WARNING! If you press and hold the original radio control the **TRS LED** continues slowly flashing and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

Press the EGO PLUS/KUBE button in which you wish to memorise the original radio control button (for example button 1 as in picture C).



C) Checking the receiver input type

After pressing the learning code button on the EGO PLUS/KUBE transmitter, check which signal LED lights up for a few seconds.





TRS LED: the EGO PLUS/KUBE button has memorised the radio control code you have just copied and it will already **be functional with the original receiver**. Press the EGO PLUS/KUBE button several times to check that it is working properly on the original receiver.

NB: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

AUTO LED: the EGO PLUS/KUBE button has memorised the radio control code that has just been copied and **needs to be memorised in the original receiver** by following the self-learning procedure indicated in paragraph 10.



NB1: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

NB2: in case of a failure to self-learn, consult the receiver's manual as some receivers need a remote self-learning, via Dip-Switch or Jumper.



MANUAL LED: the EGO PLUS/KUBE button has memorised the control that has just been copied and **needs to be memorised in the original receiver** by following the coding procedure indicated in paragraph 11.

5 - FIXED CODE RADIO CONTROL MEMORISATION

GROUP C



check compatibility list
FIXED CODE RADIO CONTROLS

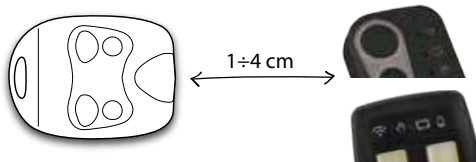
<https://is.gd/wTWa7Q>

A) Entry into programming

Press and hold the EGO PLUS/KUBE **button 1** and press the **button 2** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

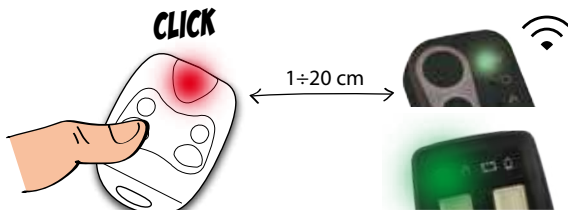


Release the buttons and place the fixed code remote control in front of the EGO PLUS/KUBE at a distance of approx. 1÷20 cm.



B) Programming

Press and hold the fixed-code remote control button until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



WARNING! If you press and hold the original radio control the **TRS LED** continues slowly flashing and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

Press the EGO PLUS/KUBE button in which you wish to memorise the original radio control button (for example button 1 as in picture C). The **TRS LED** will light up for a few seconds.



C) Group B fixed code radio control transmitters in the receiver

These transmitters programmed with the fixed code are immediately functional on the original receiver.



TRS LED: the EGO PLUS/KUBE button has memorised the radio control code just copied and it will already **be functional with the original receiver**. Press the EGO PLUS/KUBE button several times to verify correct operation on the original receiver.

NB: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted into the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

6 - SERIAL ROLLING CODE COPY

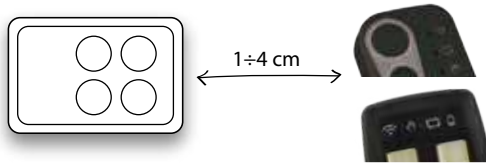
This procedure allows the serial rolling code copy (part of variable code) from an original remote control. As it is a rolling code radio control, activations with the new radio control will increase the part of variable code (rolling code), making the original radio control incompatible with the receiver until any codes realignment (to be carried out through several control button activations).

A) Entry into programming

Press and hold the EGO PLUS/KUBE **button 2** and press the **button 1** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

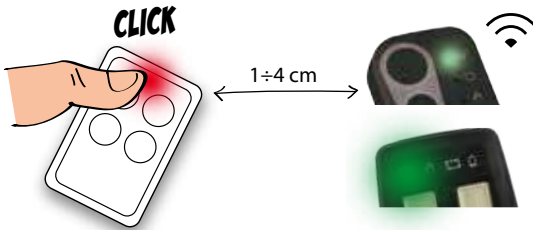


Release the buttons and place the original remote control in front of the EGO PLUS/KUBE at a distance of approx. 1÷4 cm.



B) Programming

Press and hold the button on the original remote control until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



WARNING! If you press and hold the original radio control the **TRS LED** continues slowly flashing and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

Press the EGO PLUS/KUBE button in which you wish to memorise the original radio control button (for example button 1 as in picture C).



The EGO PLUS/KUBE button will now have the same serial code (Rolling Code) as the radio control that has just been copied and it will already **be functional with the original receiver, independently of which LED is lighted** on the EGO PLUS/KUBE.

To obtain multiple activations, you must repeat the operation for all the buttons you wish to copy. NB: The EGO PLUS/KUBE remote control buttons will activate the respective receivers if the remote control buttons copied are already memorised in the receivers.

In the case the radio control button cloned is not inserted in the receiver, the manual insertion procedure in the receiver must be followed, as indicated in section 11.

7 - FIXED SERIAL CODE COPY

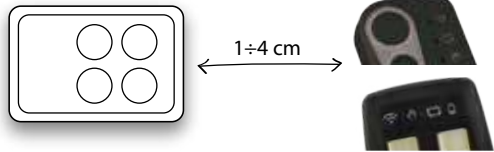
This procedure allows to copy the original remote control rolling serial code and block its increment. In this case, you should only use this function if there are receivers compatibles with this function (transmitters recognition without rolling code part).

A) Entry into programming

Press and hold the EGO PLUS/KUBE **button 1** and press the **button 3** four times. The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.).

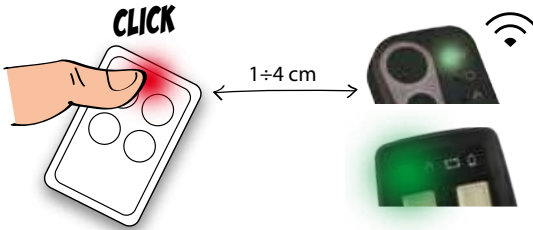


Release the buttons and place the original remote control in front of the EGO PLUS/KUBE at a distance of approx. 1÷4 cm



B) Programming

Press and hold the button on the original remote control until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



WARNING! If you press and hold the original radio control the **TRS LED** continues slowly flashing and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

Press the EGO PLUS/KUBE button in which you wish to memorise the original radio control button (for example button 1 as in picture C).



pic. C

The EGO PLUS/KUBE button will now have the same serial code (Rolling Code) as the radio control just copied and it will not be incremented. For correct operation please consult the original receiver manual. To obtain multiple activations you must repeat the operation for all buttons you wish to copy.

8 - COPY OF ALL THE ORIGINAL REMOTE CONTROL BUTTONS

BRAND	MODEL	TYPE
CARDIN	TRQ S449, TRQ S449 GREEN (PRECODE), TXQ S449, TXQ S449 GREEN	
SOMFY	TELIS RTS	
SOMMER	4010, 4011, 4014 TX03-434-2, 4013 TX03-434-4, 4020 TX03-868-4, 4026 TX03-868-2, 4022 TX02-434-2, 4025 TX02-868-2, 4031 TX08-868-4	

This procedure is only valid for CARDIN S449, SOMFY TELIS and SOMMER and allows to insert up to four buttons with original code into the EGO PLUS/KUBE by copying a single button.

Button assignment in the EGO PLUS/KUBE is made automatically and cannot be personalised.

Example: Button 1 of the original remote control will be memorised in EGO PLUS/KUBE button 1, button 2 of the original remote control will be memorised in EGO PLUS/KUBE button 2, etc.

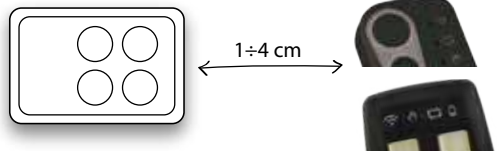
A) Entry into programming

Press and hold the EGO PLUS/KUBE **button 3** and press the **button 1** four times.

The **TRS LED** starts flashing slowly (one flash every 2 seconds approx.)

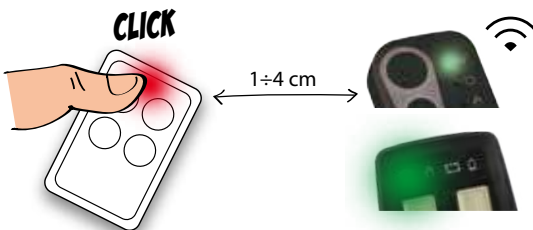


Release the buttons and set the 1÷4 cm original radio control unit in front of the EGO PLUS/KUBE at a distance of 1÷4 cm approx.



B) Programming

Press and hold the button on the original remote control until the **TRS LED** on the EGO PLUS/KUBE starts flashing rapidly, then release it.



WARNING! If you press and hold the original radio control the **TRS LED** continues slowly flashing and the learning code fails, consult the paragraph "ERRORS AND SOLUTIONS".

Press the EGO PLUS/KUBE button in which you wish to memorise the original radio control button (for example button 1 as in picture C).



B) Checking the receiver input type

After pressing the code learning button on the EGO PLUS/KUBE transmitter, check which signal lights up for a few seconds.



TRS LED: the EGO PLUS/KUBE button has memorised the radio control code you have just copied and it will already be functional with the original receiver. Press the EGO PLUS/KUBE button several times to check that it is working properly on the original receiver.

NB: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

AUTO LED: the EGO PLUS/KUBE button has memorised the radio control code that has just been copied and **needs to be memorised in the original receiver** by following the self-learning procedure indicated in paragraph 10.

NB1: The copied remote control must already be inserted and functioning in the original receiver. If it is not already inserted in the receiver, follow the manual insertion procedure in the receiver, as indicated in paragraph 11.

NB2: in case of a failure to self-learn, consult the receiver's manual as some receivers need a remote self-learning, via Dip-Switch or Jumper.

MANUAL LED: the EGO PLUS/KUBE button has memorised the control that has just been copied and **needs to be memorised in the original receiver** by following the coding procedure indicated in paragraph 11.

9 - SENDING ORIGINAL CODE FROM EGO PLUS/KUBE

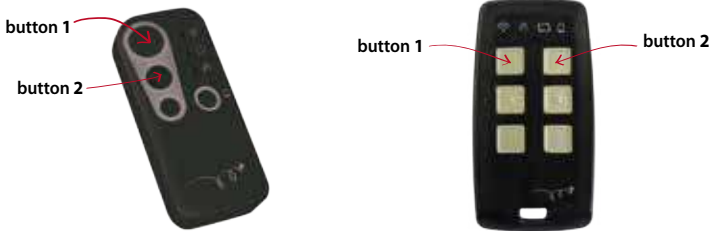
This procedure allows to send an original code from an EGO PLUS/KUBE that has stored a FAAC, GENIUS, BFT code.

Buttons in the EGO PLUS/KUBE are assigned automatically and cannot be personalised.

Example: button 1 of the original remote control will be memorised in EGO PLUS/KUBE Button 1, button 2 of the original remote control will be memorised in EGO PLUS/KUBE button 2, etc.

A) Procedure

Press EGO PLUS/KUBE **buttons 1 and 2** simultaneously for 5 seconds. When the **TRS LED** starts flashing slowly (one flash every 2 seconds approx.) release both buttons.



Press and hold down the EGO PLUS/KUBE button whose original code is to be sent.

The **TRS LED** will be lighted for approx. six seconds, the time it takes to send the original code.



pic. C

10 - SELF-LEARNING RECEIVER PROGRAMMING PROCEDURE

This procedure allows to memorise an EGO PLUS/KUBE in the original receiver without access to the cards, but simply by activating remote self-learning (always near the receiver).

NB: this procedure can be followed if the copied remote control is already inserted in the original receiver.

If the copied remote control is not already inserted in the receiver, follow the insertion procedure manual in the receiver, as indicated in paragraph 11.

After copying the remote control, place the EGO PLUS/KUBE approximately 30 cm from the original receiver and press the button you wish to memorise for 8 seconds.



Do not press the radio control button copied until the auto-memorisation EGO PLUS/KUBE procedure has been completed.

After 8 seconds the **AUTO LED** starts flashing rapidly, release the button and wait for the LED turns off indicating the end of the learning operation.



Press the memorised button several times to check the correct operation of the EGO PLUS/KUBE on the receiver.

Repeat the learning operation for all the buttons you wish to memorise in the receiver.

Repeat the learning operation for all the buttons you wish to memorise in the receiver.

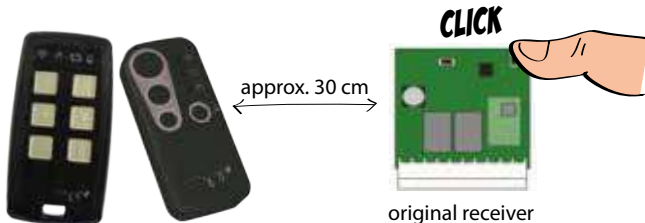
NB: If the receiver does not activate the command, consult the receiver manual as some receivers need a remote self-learning, via Dip-Switch or Jumper.

Otherwise, consult paragraph 12 "Errors and solutions".

11 - RECEIVER PROGRAMMING PROCEDURE

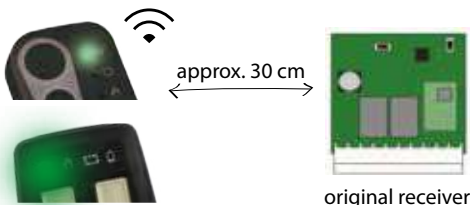
This procedure allows to memorize an EGO PLUS/KUBE in the original receivers by accessing to the receivers manually.

After copying the radio control, place the EGO PLUS/KUBE approximately 30 cm away from the original receiver and activate the learning procedure, consulting the manual provided by the manufacturer.



Press the EGO PLUS/KUBE button you wish to memorise until the original receiver learns the code, then release the button.

Press the memorised button several times to verify the correct operation of the EGO PLUS/KUBE on the receiver.



If the receiver does not activate the command consult the paragraph "ERRORS AND SOLUTIONS".

Repeat the learning operation for all the buttons you wish to memorize in the receiver.

12 - ERRORS AND SOLUTIONS

If during copying the EGO PLUS/KUBE TRS LED continues to flash slowly, the learning code has not been successful

- Check the radio control to be copied is actually present in the reference group tables of the memorisation used procedure
- Replace the remote control battery to be copied with a new one and repeat the copy.
- Move the two remote controls apart or closer together and repeat the copy
- The card may be faulty, contact service.

At the end of the copy the EGO PLUS/KUBE TRS LED lights up but is not recognised by the original receiver

- Check the radio control to be copied is actually present in the reference group tables of the memorisation used procedure
- Make sure that you have copied into the EGO PLUS/KUBE a button of a radio control already memorized in the original receiver.
- Try to memorise the EGO PLUS/KUBE by operating directly in the receiver as described in paragraph 11

The AUTO-MEMORISATION procedure has not been successful

- Check when copying is complete, the AUTO LED (square with indicators) on the EGO PLUS/KUBE is turned on.
- Make sure that you have copied into the EGO PLUS/KUBE a remote control button already memorized in the original receiver.
- Check that the original receiver is enabled for remote memorisation (check receiver manufacturer's manual).
- Try to memorise the EGO PLUS/KUBE by acting directly in the receiver as explained in paragraph 11 (memorising manual on the receiver).

When the copy is complete, the EGO PLUS/KUBE MANUAL LED is turned on, but does not memorised manually in the receiver.

- Check the radio control to be copied is actually present in the reference group tables of the memorisation used procedure
- Make sure that the EGO PLUS/KUBE radio control copied is compatible with the original receiver.

The manual programming procedure in the receiver has not been successful

- Check the radio control to be copied is actually present in the reference group tables of the memorisation used procedure.
- Make sure that the EGO PLUS/KUBE radio control copied is compatible with the original receiver.

The radio control has little range

- Check that the automation antenna is on the same frequency of the radio control copied, and is far installed from walls and metal parts.

TECHNICAL SPECIFICATIONS EGO-PLUS/EGO-KUBE

Power supply: 3V battery type CR 2032

Range in open space: from 60 to 80m

EU zone frequencies: 433.92MHz and 868.80MHz



GENERAL WARNINGS

- 1) **Rolling codes** are constantly evolving and some transmitters may have been programmed with an encoder that changes the algorithm, so in some cases it may be possible that you may not be able to complete the emulation.
- 2) For **correct emulation** it is recommended to use the original transmitter in operating condition and with charged batteries.
- 3) Make sure there is no **radio frequency interference** (e.g. mobile phones).
- 4) To **replace the battery**, unscrew the screw located on the back of the remote control, open the plastic cover, lift the printed circuit board and replace the battery. Replace the printed circuit board and reposition the cover, taking care to insert the tip into the appropriate slot. Then retighten the screw. Dispose of the used battery at the appropriate collection points.

SAFETY STANDARDS

Keep the remote control **out of the reach of children and animals**, the product contains small removable parts.

Do not keep the radio control unit in environments with high humidity, vapours, dust, or exposed to sunlight, ultraviolet, gamma rays or X-rays.

WARRANTY

The **guarantee** is in accordance with legal provisions. The contact person for any warranty services is the dealer. The warranty only applies to the country in which the product was purchased.

The battery is not included in the guarantee.

EGO PLUS / EGO KUBE TRANSMITTERS PERSONALISATION

On request it is possible to personalise the front of EGO PLUS/EGO KUBE transmitters with logos and/or lettering

Personalisation Type

DIGITAL PRINT

(with surcharge)

Minimum no. of pcs: 100

Print colours:



four-colour process



print example

TAMPOGRAPHY

(without surcharge)

Minimum no. of pcs: 300

Print colours:



White



Silver



Black

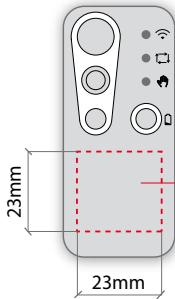
Cross out with an "X"
the square
corresponding to the
print colour



print example

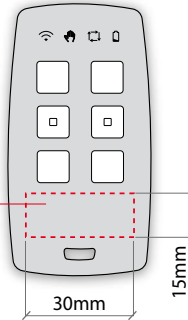
Indications for personalisation

Our graphics department will prepare a draft print (simulated image), which will be sent to the customer for approval before printing.



area where you can
insert logo and/or text

**The LOGO shall be provided in
vector format (PDF, AI) or in
PSD or PNG image format in
high resolution transparency
(minimum 250/300 dpi)**



print example

On request, it is also possible to personalise the EGO PLUS/EGO KUBE transmitters shell colour

Minimum quantity 1,000pcs

> Ask our customer service





AB Tecno Srl
Via Cicogna 95
40068 San Lazzaro di Savena (BO)
Tel: +39 051 6259580 / fax: +39 051 6259600
info@abtecno.com
www.abtecno.com