

COPY-MINI

cod.
APE-152/4031



User manual - installation and operation manual



AB-00051_UK - rev.08/20

1 - MAIN FEATURES

- Multi-frequency universal bi-channel receiver
- Power supply: 12/24 Vac/Vdc selectable with a jumper
- Contact relay 1A 230Vac / 1A 24Vdc
- Operating temperature: -20°C, +60°C

2 - TRANSMITTER STORAGE (FIXED AND ROLLING CODES)

First of all, check that your transmitter is on the compatibility list on the back of this paper. The first time the receiver is powered, every LED is switched off. The storing procedure allows to associate a remote control with the receiver output.

To proceed with storage, press button **P**: the LED corresponding to relay **1** starts blinking. In order to select relay **2**, press button **P** again. Once you selected the desired output, press and hold down the button of the receiver that you want to pair until the three LEDs of the receiver (**R1-R2-RX**) remain switched on. Probably it will take a few seconds for the receiver to decode the new code.

3 - PROCEDURE D'ENREGISTREMENT HCS

If during the storage of the transmitter the LED of the chosen relay flashes twice, you need to send an additional radio code (SEED) via the transmitter. Some remote controls send this code via a hidden button or a combination of buttons.

Repeat the sequence in point 2: once you selected the desired output, press and hold down the button of the receiver that you want to pair. When the LED of the relay of the receiver remains on, release the button of the transmitter and send the SEED code.

If the storage was successful, all the LEDs (**R1-R2-RX**) would turn on.

Example: for FAAC/GENIUS remote controls, once that the LED of the relay of the receiver remains on, release the button of the transmitter, enter the programming phase and press button 1 and 2 (the blue LED of the transmitter will flash); now, press and hold down the button that you want to store.

4 - REMOVE A STORED TRANSMITTER

To remove a stored transmitter, press button **P**, the LED of the relay lights up and flashes. Now, press button **S**: all the three LEDs of the receiver (**R1-R1-RX**) are on. Press the button corresponding to the transmitter you want to remove and keep it pressed until all the LEDs turn off. It may happen that the RX LED keeps flashing due to some picked up signals: it doesn't cause any problem to the procedure. The transmitter has been successfully cancelled. Repeat the sequence for every transmitter that must be removed.

Attention: it is not possible to delete the single HCS transmitter with SEED code (FAAC, GENIUS, etc...) yet.

5 - RELAY SETUP

The outputs of the receiver can be programmed to work in four different modes: bistable, impulsive, timer (seconds), timer (minutes). You can select and set up these modes in every moment.

NOTE: by pressing button **S** you select the relay you want to set up, while button **P** does not change any parameter.

In order to set up the relay, press button **S**. The LED corresponding to relay **1** will flash. To select relay **2** press button **S** again. The default setup for every output in the receiver is "impulsive" mode. To change the mode of the selected relay, press button **P**: the LED of the relay will flash depending on the chosen mode (see table); each time you press

button **P**, the output setup changes - stepping from one mode to the other, cyclically. Once the output mode is selected, wait for the LED to stop flashing. The number of flashes indicates the chosen mode of the selected output.

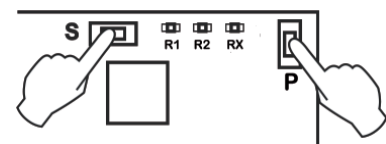
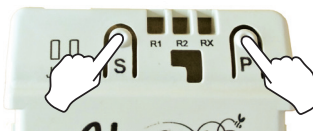
| | | |
|-----------|------|---------------|
| 1 Flash | ☀ | BISTABLE |
| 2 Flashes | ☀☀ | IMPULSIVE |
| 3 Flashes | ☀☀☀ | TIMER-SECONDS |
| 4 Flashes | ☀☀☀☀ | TIMER-MINUTES |

6 - TIMER SETUP

Once in the timer mode (both seconds and minutes) press button **S** for about 2 seconds until the LED flashes regularly (one flash per second). Keep pressing button **S** and count the number of flashes of the LED you want to setup in 'timer' mode (seconds or minutes). For example: count to 5 flashes of the LED in order to set 5 seconds/minutes in the mode you previously chose. Once you reach the desired number of flashes, release button **S**.

7 - RESET THE RECEIVER

Press button **P** and **S** for 10 seconds: wait until all the LEDs flash quickly, then release the buttons. Attention: if you find it difficult to press the two buttons simultaneously, take the plastic cover off and press the two buttons directly on the device.



8 - ERROR MESSAGE

It is possible to recognise an error message because LED **R1** and **R2** remain on, fixed or flashing, according to the following table:

| R1 | R2 | RX | Description |
|-------|-------|----|-------------------------|
| ☀ | Flash | ☀ | Code not found |
| Flash | ☀ | ☀ | Code memory - full |
| Flash | ● | ☀ | Frequency memory - full |

Code not found: you are trying to remove a transmitter, but it has not been stored in the receiver or it has not been correctly recognised. Restart and try to follow the procedure again from the beginning.

Code memory - full: the memory of the receiver is full while you are trying to store another transmitter. Remove a transmitter that is not being used and try again.

Frequency memory - full: you are trying to store a transmitter with a different frequency from the ones that have been previously stored. The receiver has a limited frequency memory, but it will be possible to store other transmitters with the same frequency as the ones previously stored.

COMPATIBILITY TABLE

| BRAND | MODEL |
|--------------------------------------|---|
| 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 |
| ALLMATIC | BROWN, BROWN RED, BRO.OVER, PASS, MINIPASS, TECH3 |
| APERTO (Sommer) | 4020-TX03-434, TX02-434-2, TX02868-2 |
| APRIMATIC | TR, TM4 |
| ATA | PTX4 BLU, PTX4 PINK |
| AVIDSEN | 104251, 104250, 104250 OLD, 104250 RED, 104257, 104350, 654250 |
| BALLAN | FM400, FM400E |
| BENINCA | TO. GO. WV, TWW, IO, ROLLKEY, APPLE, LOTWCV, CUPIDO, TO.GO. QV |
| BFT | MITTO M, MITTO RCB, MITTO A, TRC, GHIBLI, MURALE, KLEIO |
| CARDIN | TRQ S449, TRQ S449 GREEN (PRECODE), TXQ S449, TXQ S449 GREEN, TRQ S486, TXQ S486, S437 TX, XRADO |
| CASALI | JA33 AMIGO, GENIUS/CASALI A252(4)RC |
| CASIT | BE HAPPY S, BE HAPPY S AZUL, MPSTFR, MTE, VTM |
| CHAMBERLAIN/ LIFT MASTER/ MOTOR LIFT | 953ESTD, 371 LM, 971 LM, 84330E, 94334CE, 94333E/94334E/94335E, 9747E/, 1A5639-7, 1A5477, 1A6487, 132B2372, 94330EM-L/94333EML/94335EML, 84330EM-L/84333EML/84335EML, 8747EML |
| CLEMSA | MUTANCODE 1-433/2-433/T81/T82/T84, E-CODE N, MASTERCODE MV |
| DASPI | ZERO RC |
| DEA SYSTEM | PUNTO 278, GOLDR, GENIE R 273, GENIE R-GT2(4N), MIO TR |
| DITEC | BIXLP, GOL4, BIXLG |
| DOORHAN | TRANSMITTER 2/4, RSC, RSE, RSZ |
| ERREKA | IRIS, ROLLER 2, ROLLER 2 868, ROLLER 4 868, SOL433, SOL868, SOL2R, VEGA 433, VEGA 868 |
| FAAC | TML433SLH, DL868SLH, XT868SLH, XT433SLH, T868SLH, XT433RC, TE433HG, T433SLH |
| FADINI | JUBI-SMALL, JUBI 433, GITR-3, GIT, GICT390, GIFT390-1, G3T-BX, G1T-BX, GM3T, GICTD, GIFTD |
| GENIUS | AMIGOLD, AMIGO, KILO, BRAVO, ECHO |
| GIBIDI | AU1600, AU1600 WOOD, AU1680, AU1680 WOOD, DOMINO |
| JCM | GO, GO PORTIS, GO NORTON, NEO, TWIN |
| KEY | 900TXB-42R, TXB 44R, SUB 44R |
| KING GATES | CLIPPER, STYLO |

| BRAND | MODEL |
|----------------|--|
| KLING | KUA2/4, KUA 4E, KUA45 |
| LABEL | SPYCO |
| LIFE | FIDO 2/4 |
| LINEAR | MCT-11 1, MCT-11 3, 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 |
| BRAND | MODEL |
| MILENY | MILENY 1/2/3/4 |
| MHOUSE | TX3, TX4, MOOVO, GTX4 |
| NEO | NORTON, ROPER |
| NICE | SMILO, FLO-R, VERY-VR, ERA-FLOR, ONE, ERA ONE, INTI, ERGO, ON2/4/9E, ON 868 2/4, ON 24E 868 FM, PLANO |
| NOVOFERM | MCHS, MINI-NOVOTRON 504, MICRO-NOVOTRON 502, MICRO-NOVOTRON 504, MICRO-NOVOTRON 31, MICRO-NOVOTRON 51, MINI-NOVOTRON 30, MINI-NOVOTRON 50, MNHS, NOVOTRON, MINI-NOVOTRON 502 |
| O&O | TX, ELIOT, T.COM R4-2, T.COM R8-2, TWIN, TX2/4 (NEO) |
| PECCININ | TX MENBRANA, TX EVO, TX 3C, TX INTI, TX UNO, TX DUE |
| PRASTEL | MTE, MPSTLE, MPSTP2E, TCE, BFOR, TRQ-P |
| PUJOL | TWIN, VARIO, VARIO MARS, VARIO OCEAN, NEO, MERCURIO, WHITE, BLACK, ROJO MARTE |
| RIB | LITHIO, SUN |
| SEA | HEAD 433/868, SMART DUAL ROLL 868, 868-SMART-3, COCCINELLA ROLL |
| SEAV | BE HAPPY RS, BE GOOD, BE SMART |
| SILVELOX | Mhz 2007, Mhz 07 RC, QUARZ SAW |
| SIMINOR | CVXNL, MITTO, SIM433, S433-4T, 433-NLT42, 433-NLT4 |
| SOMFY | K-EASY, K-EASY NEW, K-EASY OLD, MITTO, KEY GO RTS, TELIS RTS, KEYTIS RTS, KEYTIS RTS NS, ALARMA |
| SOMMER | 4010, 4020, 4026, 4025 433, 4025 868, 4046(8)V000 |
| STAGNOLI | KALLISTO AK441, VENUS AV223 |
| TAU | 250K-SLIMRP, 250K-SLIMR, 250T-4RP |
| TELCOMA | FM400E, FM400 |
| TORREC | 433M, 315M |
| V2 | TSC, TXC, TRC, HANDY, PHOENIX 433/868, PHOX 433/868 |
| VDS | ECO-R, TRQ P |

As required by the Directive 2012/19/CE concerning the Waste of Electronic and Electrical Equipment (WEEE) it is necessary: to not dispose of WEEE as municipal mixed waste and make a separate collection of such WEEE; contact your municipality of residence for information about the separate collection centers for WEEE. This symbol on the electronic device indicates the separate collection of electrical and electronic equipment (Ref. Directive 2012/19/CE). Appropriate separate waste collection for the subsequent start-up of the disposed appliance to environmentally compatible recycling and treatment and helps to avoid possible negative effects on the environment and on health and favors the recycling of the materials to which the product is composed.



DECLARATION OF EU CONFORMITY

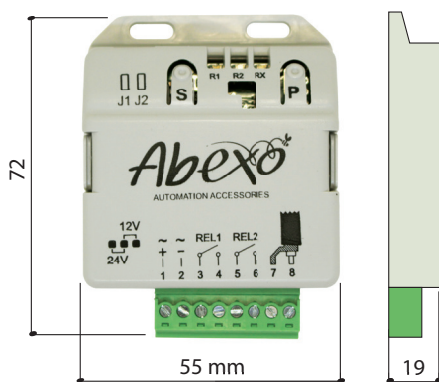
Product: COPY-MINI
 Manufacturer: AB TECNO S.r.L. - Via Cicogna, 95 - 40068 San Lazzaro di Savena (BO)
 The Manufacturer declares under its own responsibility that the product covered by the declaration meets all the provisions applicable in the following Directives:
EMC Directive 2004/108/CE and subsequent amendments and that the following standards have been applied: **EN61000-6-2, EN61000-6-3, EN60335-1.**

Bologna, li 01/04/2019

AB TECNO's CEO
 Ulisse Pagani



Ulisse Pagani



OPTIONAL CASE

