STAFER

433,42 MHz

User manual :
596.T.X5.00
596.T.X6.00

BOTERO

CE

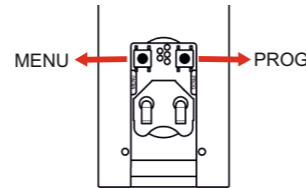VIDEO TUTORIAL
▶ YouTube

STAFER

www.stafer.com

Dear Customer,
thank you for purchasing a STAFER S.p.A. product. This guide contains information about the use of the product. Carefully read the information contained herein and keep this manual for future reference. The transmitter is specially designed for the operation of awnings, indoor blinds, rolling shutters, blinds or similar. Any other use beyond the field defined by STAFER is prohibited and involves, as well as the failure to comply with instructions provided in this guide, voidance of STAFER's liability and warranty. Water, humidity, heat sources and accidental falls can damage the device. Do not use abrasive or solvent products for cleaning the device.

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MENU ← → PROG

Technical specifications

- Power supply:	1 CR2032 battery		- Radio frequency:	433.42 MHz
- Dimensions:	46x147x16 mm		- Radio channels 594TX100:	1
- Weight:	50 g		- Radio channels 594TX500:	15 + sequencer
- Operating temperature:	from -20 to +55 °C		- Radio channels 594TX600:	6 + sequencer
			- Compatible Stafer motors: RX.3 and RX.E3 models	

Package Contents

- no.1 transmitter
- no. 1 CR2032 battery
- 1 support
- 2 anchors + 2 screws
- Instruction sheet

Battery installation/replacement

The transmitter is powered by a CR2032 battery. To install the battery, remove the battery door on the back of the transmitter, insert the battery with the correct polarity, and close the door. The use of batteries other than those specified may generate an explosion hazard. Dispose of exhausted batteries in dedicated containers. We recommend replacing the battery every 2 years.
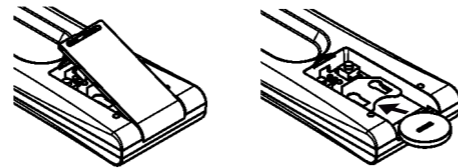
Magnetic wall support installation

Remove the cover from the magnetic support by squeezing the two side tabs. Fasten the support to the wall using the supplied anchors (distance between the holes 45 mm). Reinsert the cover and press it into place on the support.

Disposal

At the end of the product's life cycle, dispose of it in accordance with local regulations. This product may contain substances that are polluting for the environment and dangerous to health; it is forbidden to dispose of the product in domestic waste.

Notes on radio systems

It is advisable to avoid using radio systems in areas with strong interference (for example, near police stations, airports, banks, hospitals). A technical inspection is in any case advisable before installing any radio system in order to identify sources of interference.
Radio systems can be used where possible disturbances or malfunctioning of the transmitter or the receiver do not cause a risk factor, or if the risk factor is cancelled by suitable safety systems.
The presence of radio devices operating on the same transmission frequency (433.42 MHz) can interfere with the radio receiver, reducing the system's range and limiting the system's functionality.

Safety warnings

✓ Keep these instructions for future maintenance operations and the disposal of the product.
✓ All the product installation, connection, programming and maintenance operations must be carried out only by a qualified and skilled technician, who must comply with laws, provisions and local regulations, and the instructions provided herein.

Installation warnings

✓ Read the technical specifications in paragraph "Technical Specifications" to evaluate the operating parameters of the product.
✓ Before installing the product, check compatibility with associated devices and accessories.
✓ Check that the package is intact and has not been damaged during transport.
✓ A heavy shock, falls, crushing and the use of unsuitable tools can cause the damage of the external or internal parts of the product.
✓ Do not pierce or tamper with the product in any way. Do not modify or replace parts without the Manufacturer's permission.
✓ Do not use abrasive or solvent products for cleaning the device; do not clean using water-jet or high-pressure cleaners.

Use warnings

✓ The product is not intended to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or given instructions about the product way of use by a person responsible for their safety.

✓ Check automation during operation and keep people at a safe distance, until operation ends.

✓ Do not allow children to play with the appliance or with the fixed control devices.

✓ Do not operate the rolling shutter when maintenance operations are being carried out (e.g. window cleaning, etc.). If the control device is automatic, disconnect the motor from the power line.

1. FUNCTIONS ASSOCIATED WITH TRANSMITTER BUTTONS

Basic functions

▲ up
◉ stop
▼ down

◀ channel -   ▶ channel +

Special functions

↶ orient to the right   ↷ orient to the left

☼ sun function

☰ third limit switch

Programming functions

MENU
access to receiver menu

PROG
transmitter insertion-deletion

Sun function (with sun/wind anemometer)

◀ ▶ Select the channel associated with the motor (except **"g"** Sequencer)

☼ Press the SUN button until the status of the YELLOW LED changes (about 2 seconds)

YELLOW LED LIGHT **ON/OFF**: "sun" function **active/off**

For clarification, refer to the manual of your sun-wind or wind sensor.

Intermediate limit switch (third limit switch)

To call up:
Press the appropriate button.
☰

To store:
01. Bring the motor to the intermediate position.
02. Briefly press **MENU** on the back. The motor performs an up/down movement. Display shows: - - .
03. Press **DOWN twice**. 02 appears on the display.
03. Press **STOP**. The motor moves to the lower limit switch.
04. Move the motor to the desired position.
05. Press **PROG** to store settings. The motor performs an up/down movement.
06. Press MENU to exit.

WARNING! with ORIENTA type blinds, the THIRD LIMIT SWITCH can be matched to the lowered blind with slats completely closed, or to the lowered blind with open slats (refer to the motor manual)

2. ENABLING / DISABLING CHANNELS (TO HYDE ON DISPLAY)

A
MENU
Briefly press **MENU**. Display shows: - - The motor moves up/down.

B
▲ Press **once on UP** and **2 times on DOWN**.
◉ 12 appears on the display.
▼ Press STOP.

C
▲ Scroll channels UP and DOWN and view the status of the LED next to each one.
▼

D
If the YELLOW LED is ON, the channel is hidden. If it is OFF the channel is active.

E
◉ Press STOP repeatedly to change the status of the LED and therefore of the channel.

F
MENU Press **MENU** to exit.

Some remarks:
- It is possible that some receiving devices do not associate any operation with some transmitter buttons.
- It is possible that some receiving devices associate different operations to the transmitter buttons than described. In this case, only what is contained in the instruction manual of the receiving device must be considered applicable.

3. DELAY ASSOCIATED WITH SEQUENCER

The transmitters are equipped with a virtual channel called Sequencer, which sends the selected command in succession to all active radio channels. To select the Sequencer, scroll through the list of channels until the **SE** symbol appears.
It is possible to set the time interval (from 1 to 10 sec) that must elapse between transmission concerning different channels. The factory sets the delay at 1 second. Using long time intervals can negatively affect battery life.
To change the setting:

A   MENU   Press MENU, the display shows _ _

B   ▲   Press UP for 9 times. The display shows **09**.

C   ◉   Press STOP. The value currently set appears on the display (from 01 to 10 sec).

D   ▲▼   Use UP / DOWN to set the desired value (from 1 to 10).

E   ◉   Press STOP to save the setting.

4. ADD / DELETE SOME REMOTE CONTROL

It is possible to copy the first remote control already stored with other compatible remote controls.

01. Bring the motor to the intermediate position.
02. Briefly press PROG of a remote control already stored. Motor makes 2 upward movements.
03. Within 15 seconds, to add a remote control: press **STOP** or **UP** on the remote control to be added.
    To delete a remote control, press **DOWN**.
04. The motor performs 2 movements up: device stored!! / 1 down movement: device deleted!! / 4 movements up/down: error!!

5. RECEIVER MENU

Once a transmitter's radio channel has been stored in a receiving device, it is possible to modify some operating parameters of the receiving device directly from the transmitter. To identify settings that can be changed, refer to the instruction manual of the receiving device (motor, anemometer, etc.).
To change an operating parameter of the receiving device:

A   ◄ ►   Select the channel associated with the receiver (motor, anemometer, etc.)

B   MENU   Briefly press the remote control MENU button, until you see - -

C   ▲▼   Use UP / DOWN to enter the code of the parameter to be modified (see Table below).

D   ◉   Press STOP. The receiving device signals the current value of the parameter.

E   Use the buttons provided in the instructions to modify or activate the various parameters of the function.

F   ◉   Press STOP. The receiving device signals the new parameter value.

G   MENU   Press MENU to exit the programming menu.

It is possible to exit the receiver menu at any time by briefly pressing the **MENU** button.

RECEIVER FUNCTION CODES

01 - Fine-tuning of limit switches
02 - 3rd limit switch setting
03 - limit switch inversion
04 - button logic
05 - up/down inversion
06 - shutter release (for awnings)
07 - orientation time (for movable slats)
08 - work time
09 - sequencer time (only with 596.T.X5.00)
21 - wind threshold adjustment (for anemometer)
22 - sun function activation (for anemometer)
23 - sun threshold adjustment (for anemometer)
24 - descent after wind alarm (for anemometer)
25 - alarm check (for anemometer)
26 - addition of remote control of 2nd motor (for anemometer)
27 - anemometer removal
28 - anemometer parameters reset
29 - receiver reset

The following sections describe in detail some of the most frequently used operations to modify these parameters. Other functions can be found in the specific manual of the motor or anemometer installed.

5.A - Function 21 - WIND THRESHOLD

01. In the case of multichannel, select the correct radio channel and move the motor to an intermediate position.
02. Press **MENU**. The motor shows: up/down. Display shows: - - .
03. Press **UP twice** and **DOWN once**. 21 appears on the display.
04. Press **STOP once**. The motor shows: up/down.
05. Press UP once. The motor shows the current value by performing 1 to 5 movements (see Table 1). Factory sets the value on 2.
06. Press the **UP** button a number of times equal to the desired value.
07. The motor performs upward movements equal to the set value.
08. Press **MENU** to exit (the motor does not show anything).

Tab. 01 - Wind threshold

No. of movements	Threshold
1	5 Km/h
2	10 Km/h
3	15 Km/h
4	25 Km/h
5	45 Km/h

5.B - Function 23 - SUN THRESHOLD

01. Select the correct radio channel and bring the motor on the intermediate position.
02. Press **MENU**. The motor shows: up/down. Display shows: - - .
03. Press **twice on UP** and **3 times on DOWN**. 23 appears on the display.
04. Press **STOP** once. The motor shows: up/down.
05. Press **UP once**. The motor shows the current value by performing 1 to 5 movements (see Table 2).
    Factory sets the value on 2.
06. Press the **UP** button a number of times equal to the desired value.
07. After 2 seconds, the motor performs upward movements equal to the set value.
08. Press **MENU** to exit (the motor does not signal anything).

Tab. 02 - Sun threshold

No. of movements	Threshold
1	Very sensitive (1 Klux)
2	....
3	....
4	....
5	Not very sensitive (45 Klux)

5.C - Function 01 - FINE-TUNING OF LIMIT SWITCHES (available only with motor RX.E3 model)

UPPER LIMIT SWITCH

01. Bring the motor to the intermediate position.
02. Briefly press **MENU**. Display shows: - - . The motor moves up/down.
03. Press **DOWN** once. 01 appears on the display.
04. Press **STOP**. The motor performs a brief up/down movement.
05. Press **UP**. The motor moves to the upper limit switch. Wait until it stops.
06. Adjust the new position with **UP / DOWN**.
07. Once you have found the position, press **PROG**. The motor performs a brief DOWN/UP movement.
08. Press **MENU** to exit.

LOWER LIMIT SWITCH

01. Bring the motor to the intermediate position.
02. Briefly press **MENU**. Display shows: - - . The motor moves up/down.
03. Press **DOWN** once. 01 appears on the display.
04. Press **STOP**. The motor performs a brief up/down movement.
05. Press **DOWN**. The motor moves to the lower limit switch. Wait until it stops.
06. Adjust the new position with **UP / DOWN**.
07. Once you have found the position, press **PROG**. The motor performs a brief UP/DOWN movement.
08. Press **MENU** to exit.

5.D - Function 03 - INVERSION OF THE THIRD LIMIT SWITCH

Function available only with RX.E3 motors.
In the case of blinds with ADJUSTABLE slats, it is possible to decide whether to associate the THIRD LIMIT SWITCH to the fully lowered blind position with open slats or to the lowered blind position with closed slats. For further details, refer to the motor manual. It is possible to invert the LOWER LIMIT SWITCH with the THIRD LIMIT SWITCH at any time, proceeding as follows:

01. Bring the motor to the intermediate position
02. Briefly press **MENU** on the back. The motor performs an up/down movement. Display shows: - - .
    Press **3 times on DOWN**. 03 appears on the display.
03. Press **STOP**. The motor moves to the lower limit switch position.
04. Press **UP** once. The lower limit switch has been reversed with the third limit switch.
05. The motor signals with an **UP** movement.
06. Press **MENU** to exit.

5.E - Function 04 - BUTTON LOGIC

The command buttons can work in PULSE logic or in MAN PRESENT logic (it is necessary to keep the finger pressed until the end of the stroke). To modify this parameter, execute the command below.

01. Bring the motor to the intermediate position.
02. Briefly press **MENU**. The motor performs an up/down movement. Display shows: - -
03. Press **4 times on DOWN**. 04 appears on the display.
04. Press **STOP**. The motor shows:
    1 UP = man present, 1 DOWN = pulse.
05. To select "Pulse": press **DOWN**
    To select "man present": press **UP**
06. After pressing, the motor shows:
    1 UP = man present, 1 DOWN = pulse.
07. Press **MENU** to exit.

5.F - Function 12 - REVERSAL OF THE ROTATION DIRECTION

Only with RX.3 motors.
If, after installation, the motor rotates in a direction opposite to the remote control buttons, it is possible to invert the direction of rotation with the following procedure.

01. Bring the motor to the intermediate position.
02. Briefly press **MENU** on the back. The motor performs an up/down movement.
03. Display shows: - - . Press **5 times on DOWN**. 05 appears on the display.
04. Press **STOP**. The motor signals with up/down movement.
05. To invert, press **UP**. The motor signals with up/down movement.
06. Press **MENU** to exit.

5.G - Function 06 - SHUTTER RELEASE (FOR CASSETTE AWNINGS)

Available only with motor RX.E3. This is a specific function available for the CASSETTE AWNING installation mode (refer to motor manual) only. When the cassette closes a very brief downward movement is commanded so as to reduce the traction on the shutter with closed cassette. The duration of the movement can be set by implementing the following procedure:

01. Bring the motor to the intermediate position.
02. Briefly press **MENU**. The motor performs an up/down movement.
03. Display shows: - - . Press **6 times on DOWN**. 06 appears on the display.
04. Press **STOP**. The motor performs an up/down movement.
05. Press **UP**. The motor shows the current value (from 1 to 5 movements).
06. Press **UP** as many times as the setting you want (from 1 to 5)
07. Press **STOP**. The motor signals the new setting (from 1 to 5 movements)
08. Press **MENU** to exit.

5.H - Function 07 - ADJUSTABLE SLAT ORIENTATION TIME

Allows you moving the motor in short strokes (refer to the motor manual for details). Useful function for situations in which the rolling shutter consists of adjustable slats.

01. Bring the motor to the intermediate position.
02. Briefly press **MENU**. The motor moves up/down. Display shows: - - .
03. Press **7 times on DOWN**. 07 appears on the display.
04. Press **STOP**. The motor shows: up/down.
05. Press **UP**. The motor shows the current value (from 1 to 5 movements).
06. Press the **UP** button a number of times equal to the desired setting (from 1 to 5; 1 the function is deactivated).
07. After 5 seconds, the motor signals the new setting (from 1 to 5 movements).
08. Press **MENU** to exit.

5.I - Function 24 - AUTOMATIC LOWERING AFTER WIND ALARM

For anemometers only (see manual for details).

01. Select the correct radio channel and bring the motor on the intermediate position.
02. Press **MENU**. The motor shows: up/down. Display shows: - - .
03. Press **twice on UP** and **4 times on DOWN**. 24 appears on the display.
04. Press **STOP once**. The motor shows the current setting.
    Once UP = activate; Once DOWN = deactivate.
05. Within 5 seconds, press the **UP or DOWN** button according to the function you wish to set.
06. After 2 seconds the motor replicates the command received, with an **UP** or **DOWN** movement.
07. Press **MENU** to exit.

5.L - Function 29 - RECEIVER RESET (MOTOR OR SUN-WIND SENSOR)

⚠️ **WARNING:**
To carry out this procedure, use the channel stored IN THE MOTOR (OR ANEMOMETER) YOU WANT TO RESET. If several devices are tuned to the same channel, only supply the device to be reset.

01. Select the channel associated with the receiver to be "reset" (motor or sun-wind sensor).
02. Briefly press **MENU**. The motor moves up/down. Display shows: - - .
03. Press **UP twice and DOWN 9 times**. "29" appears on the display.
04. Press **STOP once**. The motor performs 6 brief up/down movements. Wait until it stops.
05. Press **UP twice**. The motor performs a movement. The reset has been carried out.
06. Follow the motor instruction manual to install the remote control again.

Ⓢ STAFER

SIMPLIFIED DECLARATION OF CONFORMITY
The manufacturer, STAFER S.p.A., hereby declares that the type of radio device complies with the provisions of Directive 2014/53/EU.