



COSMO HCT REMOTE CONTROL INSTRUCTION MANUAL

MOBILUS MOTOR Spółka z o.o.

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Remote controller **COSMOJ HCT v2014** is a 24-channel remote controller designed to remote control of **MOBILUS** receivers in the field of construction technologies (to control electrical) operated blinds, awnings, shutters and ON / OFF connectors). The user bears the only responsibility for any damages resulted from improper use, misuse or abuse of a product. The manufacturer is not liable for any damage or injury caused by improper use, maintenance and commissioning. Please refer to the instruction manual that informs how to use the device safely. Supports up to 24 channels.

- Supports 12 channel groups.
- Free edition of channel and group names.
- Two-way communication.
- Receivers' control- report of correctness for channel operation (for receivers with two-way communication).
- Manual and/or auto control.
- Daily and weekly mode.
- ASTRO mode- adjust blinds according to sunrise and sunset.
- The intuitive user interface allows easy navigation as well as remote control functions management.
- 8 language versions of remote control interface.
- *Firmware update from a PC.
- *Remote control configuration backup on a PC.
- *Configuration of remote control parameters from a firmware on a PC.

*Function available after installation of dedicated firmware- from September 2014.

DESCRIPTION OF REMOTE CONTROL COMPONENTS



Headline 1- date, time and battery charge level.
Headline 2- operation mode info, location in menu.
Headline 2- additional info, location in menu.
Area of operation- information about current operation or settings mode.
Function keys- icons corresponding to the functions assigned
to function key F1, F2, F3.
Function key 1- function dependent on the position in the menu structure.
Function key 2- function dependent on the position in the menu structure.
Function key 3- function dependent on the position in the menu structure.
Left arrow key (navigation on the display, value change).
Right arrow key (navigation on the display, value change).
Up arrow key (navigation on the display, shutter rising).
Down arrow key (navigation on the display, shutter lowering).
Middle key (navigation, value change, activation).
AAA battery slot protecting flap.
Micro USB port.

The package contains the following items:

- COSMO | HCT remote control .
- 3 AAA batteries in the remote control protected with a seal from discharging, .
- user manual.
- Wall bracket with a magnet and fixing pins (2 pcs.)

- Supports up to 24 channels. .
- Supports 12 channel groups. Supply voltage 4.5 V DC.
- .
- Power source: 3 x AAA LRO3 or 3 x AAA batteries. •
- Operating temperature [° C]: 40° C. .
- Display: colour LCD screen with a resolution of 240 x 320 px.
- Communication band: [MHz] 868 MHz. .
- Communication range [m] open space: 100m for interiors: 25 m
- [measurement through 2 walls; the presence of electromagnetic interference, the presence of other radio equipment, installation on metal and low battery level can significantly reduce the communication range]
- Weight of remote control with batteries [g] 128 g
- Remote control dimensions (without bracket): 52 x 20 x 180 mm.

BRACKET INSTALLATION

Elements of wall bracket:

- Transparent bracket- A
- Cap for mounting screws -B, .
- Studs with screws C.
- 1 Chose a place on the wall, where the bracket will be located (easy access, lack of running power cables, pipes, reinforcement of walls, etc.).
- Mark a points on the wall so that the bracket 2 after installation will touch the wall and will be perpendicular to the wall surface.
- Drill holes and insert studs (distance between the 3 holes 20 mm, diameter 4 mm).
- 4. Place the bracket and tighten to the wall.
- 5. Put masking cover on.

The device is powered by three AAA batteries or three AAA rechargeable batteries. The device automatically switches off the display to save the power. The icon in the top of the display indicates low battery level. When charging the battery icon changes colour periodically [green, grey]. The remote control has a built-in protection and prevents charging of nonrechargeable batteries

- Fully charged battery.

- Low battery. Replace with new batteries or when supplied with rechargeable batteries- connect remote control to the USB port (charger, computer, etc.) to charge the device

- 1. Open the battery cap.
- 2. Remove the ,P" seal that protects batteries from discharging (marked with green).
- 3. Remote control display will start.
- 4. SETUP WIZARD starts configure additional parameters necessary for proper operation of remote control.





SETUP WIZARD will appear due to starting COSMO | HCT remote control for the first time or carrying out the SETTING RESET operation. Following operation parameters should be configured: LANGUAGE, CITY, DATE/TIME.

1.1.1. SETUP WIZARD > LANGUAGE

Select the language of user's interface. Default language: ENGLISH

Display 1/2: PL POLSKI, EN ENGLISH, DE DEUTSCH, FR FRANÇAIS, RU PYCCKUM, CZ ČESKÝ.

Display 2/2: NL NEDERLANDS.

▲/▼ - switch between fields.

</

💾 (F3) - 💾 orange- save changes; change savingswitching to the next display.

Further communications will be displayed in the selected language.

1.1.2. SETUP WIZARD > CITY

Please select the nearest city in order to determine the user's location. Required for proper operation AUTOMATIC OPERA-TION MODE of COSMO remote control | HCT.

Default city: NL AMSTERDAM.

Display 1/3: NLAMSTERDAM, DE BERLIN, BE BRUXELLES, HU BUDAPEST, IR DUBLIN, UA KHIB.

Display 2/3: GB LONDON, ES MADRID, RU MOCKBA, FR PARIS, CZ PRAHA, IS REYKJAVIK.

Display 3/3: IT ROMA, SE STOCKHOLM, PL WARSZAWA, AT WIEN.

▲/▼- switch between fields.

◄/►/●/□(F2) - select; active field - [√].

💾 (F3) - 블 orange- save changes; change saving- switching to the next display.

Set the correct date and time. Required for proper operation AUTOMATIC OPERATION MODE of COSMO remote control | HCT. Default date: 2014-01-01; hour: 12:15. YYYY/MM/DD- year, month, day. HH/MM- hour, minute. ▲ / ▼ - switch between fields. Image of the field value. 💾 (F3) - 💾 - orange- save changes; saving changesexit SETUP WIZARD mode- switch to STEERING display.

Exit SETUP WIZARD moves you to the main display of COSMO remote control steering HCT. User can individually control the receivers- MANUAL STEERING or start the AUTO STEERING- remote control controls the receivers in accordance with tasks defined by the user.

MAN(F1) or AUTO(F1)- switching between MANUAL STEERING/ AUTO STEERING displays.

Manual steering is carried out for individual channels or groups of channels. The selection is made with the (F2) key.

(•) (F2)- MANUAL STEERING display> CHANNELS.

(+) (F2)- MANUAL STEERING display> GROUPS.

CHANNELS (MANUAL STEERING OF CHANNELS) line informs about active mode (H3), or GROUPS (MANUAL STEERING OF GROUPS) (H3).

If the information about the two-way communication with receivers for MANUAL STE-ERING is enabled, the remote control will check the status of this operation each time after you send the command to such receiver. Remote control will beep and display the report after receiving the information on the problem with command execution.



05:1	5 2014-01-10			
SET	SETTINGS WIZARD			
CITY	ſ	1/3		
NL	AMSTERDAM	Ŷ		
DE				
BE				
HU				
IR				
UA				



2.1.1.MANUAL STEERING > CHANNELS



MANUAL STEERING (H2)- steering mode.

CHANNELS (H3)- single channel steering.

01 - number of current channel.

SALON 1 - number of current channel.

◄/▶ - channel change from 01 up to 24.

I - lowering the blinds - icon changing the colour [blue/grey].

STOP- pause of current operation - () - icon changing the colour [blue/grey].

 COMFORT mode for current channel- press the key for min. 3 seconds - M - the icon changing colour [blue/grey] will be displayed.

• - start programming of the COMFORT mode for current channel- press the key for min. 15 seconds 🔊 - the icon changing colour [blue/grey] will be displayed.

▲ + ● - start programming of the receiver for current channel- ● the icon changing colour [red/grey] will be displayed.

AUTO (F1) - AUTO STEERING display.

(.) (F2) - SETUP display- press the key for min. 3 seconds.

(F3) - SETUP display- press the key for min. 3 seconds.

2.1.2. MANUAL STEERING > GROUPS



MANUAL STEERING (H2)- steering mode.

GROUPS (H3)- channel groups steering.

01 - number of current group.

EVERYTHING- name of current group.

✓/▶ - group change from 01 up to 12.

▲ - raising the group of blindsthe display while sending commands to all the channels in the group. The more channels in the group, the longer the display lock time (up to 10 seconds for 24-channel group) Remote control activates no action for empty group.

I overing the group of blinds- the icon changing colour [blue, grey]- icon remains on the display while sending commands to all the channels in the group. The more channels in the group, the longer the display lock time (up to 10 seconds for 24-channel group) Remote control activates no action for empty group.

STOP- pause of current operation the icon changing colour [blue, grey]- icon remains on the display while sending commands to all the channels in the group. The more channels in the group, the longer the display lock time (up to 10 seconds for 24-channel group) Remote control activates no action for empty group.

AUTO (F1) - AUTO STEERING display.

(•) (F2) - MANUAL STEERING display> CHANNELS.

(F3) - SETUP display- press the key for min. 3 seconds.

In auto mode, the remote control controls the groups according to the defined settings-on this display user can activate individual modes of AUTO STEERING.

- AUTO- starting AUTO STEERING for channel groups configured in SETTINGS> FUNCTIONS>AUTO. Groups of shutters automatically raise and low for particular days of week, in user-specified time.
- ASTRO- starting AUTO STEERING based on ASTRO functions for channel groups configured in SETTINGS> FUNCTIONS>ASTRO. Groups of shutters automatically raise and low for particular days of week, in time calculated on the basis of the user's geographical position.



IRANDOM- when the mode simulating the presence of people at home is on, then the values defined by the user (AUTO STEERING>AUTO) or calculated from the ASTRO function time value (AUTO STEERING>ASTRO) will be adjusted each time by a random value from that specified in the range.

Simultaneous operation of AUTO and ASTRO mode:

- SHUTTERS RISING [SUNRISE]- in such a case this auto mode has higher priority, which will later rise the shutters.
- SHUTTERS LOWERING [SUNSET]- in such a case this auto mode has higher priority, which will earlier low the shutters.

Activation of particular auto modes- AUTO, ASTRO enables switch to MANUAL MODE and further control of channels or groups - AUTO, ASTRO modes run in the background.

▲ / ▼ - switch between fields.

MAN (F1) - MANUAL STEERING display.

(F3) - SETUP display- press the key for min. 3 seconds.

3 SETTINGS

Activation of SETTINGS display- in the main screen of COSMO | HCT remote control press the key == (F3) for min. 3 seconds.

DATE/TIME- time and date settings.

- MANAGEMENT:

- CHANNELS channel naming/ renaming, bidirectional, channel programming, programming position of comfort, change of direction of the shutter operation.
- GROUPS channel groups naming/ renaming groups, choice of channels included in the group.

+ FUNCTIONS:

- AUTO setting the auto time for lowering and rising of the shutter for particular channel groups in daily and weekly mode.
- ASTRO setting the parameters for shutter automatic raising and lowering for different groups of channels based on the geographical location, the selection of the nearest city, enter coordinates, correction astro.
- RANDOM determination of the range, from which is randomly selected a value that specifies correction of shutter lowering time in ASTRO / AUTO mode (in minutes).

OTHERS:

- LANGUAGE- change of user interface language.
- BRIGHTNESS- setting of display brightness level.
- REPORT- activation error reporting function for automatic and / or manual, for receivers with bi-directional communication.
- SETTINGS RESET- restore to factory settings.
- FIRMWARE VERSION- information about firmware version preloaded into remote control memory.

REPORT - displays a report on the state of the channel.

/ V - switch between fields.

- (F1) back to the previous screen.
- / →] (F2)- screen connected to the selected field.







- (•) CHANNELS- channel settings management display.
- (...) GROUPS channel group settings management display.
- ▲ / ▼- switch between fields.
- ◄ / ► change of the field value.
- (F1) back to the previous screen.
- →](F2) screen connected to the selected field.

3.2.1. SETTINGS>MANAGEMENT>CHANNELS

Display with the list of 24 channels divided into 4 views (6 groups per view). Channels have the names initially assigned by the manufacturer.

Display 1/4: channels from 01 up to 06

Display 2/4: channels from 07 up to 12.

Display 3/4: channels from 13 up to 18.

Display 4/4: channels from 19 up to 24.

- Channel with bi-directional communication (parameter change on the screen - SPECIFIC SETTINGS of SELECTED CHANNEL).
- Channel with one-directional communication (parameter change on the screen - SPECIFIC SETTINGS of SELECTED CHANNEL).

▲ / ▼ - switch between fields.

(F1) - back to the previous screen.

• GIVE THE NAME(F2) - edition screen of the name of selected group.

(F3) - screen of particular settings of selected channel.

3.2.1.1. SETTINGS>MANAGEMENT>CHANNELS>NAME

Screen of edition of the selected channel with display keyboard. Max. amount of characters: 12. LIVINGROOM 1_ -edit name field.

▲ / ▼ / ◀ / ► - switch between characters.

enter of selected character to the edit name field.

(F1) - back to the previous screen.

(F2) - delete of last character in the edit name field.

(F3) - ⊨ - orange- save changes
→ green- changes saved;



05:1	5 2014-01-10	
MA	NAGE	
CHA	NNELS	1/4
01		
+	BENAME	





3.2.1.2. MANAGEMENT> CHANNELS> 🗃 [DETAILED CHANNEL SETTINGS]

AUTO - time automatic.

ASTRO- automation based on the ASTRO functions.

- RANDOM random correction of time value for the AUTO and ASTRO (simulating the presence of residents at home).
- ▲ / ▼- switch between fields.
- (F1) back to the previous screen.
- →](F2) screen connected to the selected field.

3.3.1. SETTINGS>FUNCTIONS>AUTO

Screen for selecting groups for which the AUTOMATIC STEERING MODE is on.

- Proper operation of AUTO mode requires:
 Proper setting of TIME and DATE.
- Assignment of channels to the groups which will be controlled automatically.

Display 1/2: groups from **01** up to **06**. Display 2/2: groups from **07** up to **12**.

▲ / V - switch between fields.

- ✓ / ► / - select; active field- [✓].
- (F1) back to the previous screen.

● / →] (F2) - activation screen for selected group

💾 (F3) - 💾 - orange- save changes 💾 - green- changes saved;

3.3.1.1. SETTINGS>FUNCTIONS>AUTO>MODE

DAILY or WEEKLY MODE activation screen for selected group.

CALLY-daily mode.

WEEKLY- weekly mode.

▲/▼- switch between fields.

✓ / ► / ● - select; active field-[✓].

(F1) - back to the previous screen.

● / →] (F2) - activation screen for selected group.



2014-01-10

RAISING

LOWERING

MODE

DAILY

MM

GG

ΜМ

💾 (F3) - 💾 - orange- save changes 💾 🛛 - green- changes saved;

3.3.1.1.1. SETTINGS>FUNCTIONS>AUTO>MODE>DAILY

Setting screen for shutter auto raising and lowering from selected group. Repeat cycle- 24 hours

1 RAISING- HH hour and MM minute setting, when the shutter is to be raised.

LOWERING- HH hour and MM minute setting, when the shutter is to be lowered.

- ▲ / ▼ switch between fields.
- Image: A logical statement of the select; active field.
- ←___(F1) back to the previous screen.





05:1	5 2014-01-10	
AUT	0	
GRC	OUPS	1/2
01	ALL	Ŷ
02		
03		
04		
05		
06		
+	⊐ →1	H

SISTINE SETTINGS FORCIONS FROTOFILODE	NEEK		
Selection screen of days for which shutter automatic control from the group will be turned on. Repeat cycle- 7 days.	05:15 2014-01-10 MODE		1/2
Display 1/2: MONDAY-SATURDAY . Display 2/2: SUNDAY .	01	MONDAY	1/2 \$
 ✓ - switch between fields. ✓ / ● -select; active field- [✓]. 	02 03		
← (F1) - back to the previous screen.	04 05		
/ →J(F2) - settings screen time of shutter raising and lowering for the selected day.		SUNDAY ⊐ →]	
💾 (F3) - 💾 - orange- save changes 💾 - green- changes	s save	d;	
3.3.1.1.2.1 SETTINGS>FUNCTIONS>AUTO>MODE>WEEKLY>[DAY]			
Setting screen for shutter auto raising and lowering from sele cycle - 7 days.	cted g	roup and selected	day. Repe
RAISING - HH hour and MM minute setting, when	05:1 WFI	5 2014-01-10 FKLY	

LOWERING - HH hour and MM minute setting, when the shutter is to be lowered.

- ▲ / ▼ switch between fields.
- ✓/► change of the field value.
- (F1) back to the previous screen.
- 💾 (F3) 💾 orange- save changes
 - 💾 green- changes saved;



3.3.2.SETTINGS>FUNCTIONS>ASTRO

Pilot **COSMO | HCT** enables automatic control of receivers based on geographical location. This means that it performs the calculation of shutter raising and lowering time for every day of the year based on the time of sunrise or sunset for a particular geographical position.

Proper operation of ASTRO mode requires:

- Proper setting of time and date.
- Assignment of channels to the groups which will be controlled automatically.
- Definition of general and / or precise geographic position.
- Determination of time zone for user's position.
- Settings at a given time SUMMER / WINTER.

CITY- the nearest city.

COORDINATES- determination of geographic coordinates.

ASTRO GROUP - selection of channel groups to be controlled by the ASTRO functions.

- ASTRO CORRECTION - minute correction of values calculated by ASTRO functions.
- SUMMER/WINTER TIME- SUMMER/WINTER -season determination.
- ▲ / ▼ switch between fields.
- (F1)- back to the previous screen.

 →](F2) - screen connected to the selected field.



The selection screen of the nearest city in order to determine the location of the seat of the user's residence. The position values of the selected city (approximate) will be copied to SETUP> FUNCTIONS> ASTRO> COORDINATES.

Display 1/3: NL AMSTERDAM, DE BERLIN, BE BRUXELLES, HU BUDAPEST, IR DUBLIN, UA KNIB.		05:15 2014-01-10 === SETTINGS WIZARD		
		CITY	CITY	
Display 2/3: GB LONDON, ES MADRII FR PARIS, CZ PRAHA, IS), ru mockba, Reykjavik.	NL	AMSTERDAM	Ŷ
Display 3/3: IT ROMA. SE STOCKHOLI	м.	DE		\bigcirc
PL WARSZAWA, AT WIE	Ν.	BE		$\langle \Box \rangle$
▲ / ▼ - switch between fields.		HU		$\langle \Box \rangle$
✓/►/●/□ (F2) - select; active fi	eld - [🖌].	IR		¢
		UA		\bigcirc
- green- changes saved;	, ,			Ľ
3.3.2.2. SETTINGS>FUNCTIONS>	ASTRO>CITY>COO	RDIN	IATES	

Settings screen coordinates of user's residence on which are calculated sunrise and sunset times. The default values are the geographical coordinates of the city, selected in the setup wizard or from the FUNCTIONS> ASTRO> CITY.



3.3.2.3.SETTINGS>FUNCTIONS>ASTRO>ASTRO GROUPS

The screen for selecting groups of channels that are automatically controlled according to the calculations of the function **ASTRO**.

Display 1/2: channel groups from 01 up to 06. Display 2/2: channel groups from 07 up to 12. ▲/▼ - switch between fields. (F1) - back to the previous screen.

<

05:1	5 2014-01-10	
AST	RO	
GR	DUPS	1/2
01	ALL	Ŷ
		H

3.3.2.4.SETTINGS>FUNCTIONS>ASTRO>STANDARD TIME/DST

Settings screen of the local time for the location of user's residence. The setting has an effect on the correct calculation of **ASTRO** function - the function does not change the time displayed on the screen!





3.3.3. SETTINGS> FUNCTIONS> RANDOM (THEFT MODE)

time selection screen, from which will be randomly selected the value by which the COSMO |HCT remote control corrects the time to low or raise the shutters, due to the setting AUTO MODE or calculated for ASTRO MODE. This feature allows simulating the presence of a resident in the house /apartment.

The draw values in the range:

05 +/- 5 MIN - from" up to ,+5" minutes 15 +/- 15 MIN - from" up to ,+15" minutes 30 +/- 30 MIN - from" up to ,+30" minutes 45 +/- 45 MIN - from" up to ,+45" minutes ↓/▼ - switch between fields. ↓/►/ ●/ (□ (F2) - select, active field -[♥]. ↓ (F1) - back to the previous screen. ↓ (F3) - ↓ - orange- save changes.

- green- changes saved;

3.4 OTHERS

LANGUAGE- settings of user interface language.

- BRIGHTNESS- Display brightness settings.

REPORT- activation of report function.

SETTINGS RESET- restore COSMO|HCT remote control to factory settings.

SOFTWARE VERSION- information on software version.

▲ / ▼ - switch between fields.

(F1) - back to the previous screen.

● / →](F2) - screen connected to the selected field.

3.4.1.SETTINGS>OTHERS>LANGUAGE

Language selection screen in which information is displayed on the screen.

Display 1/2: PL POLSKI, EN ENGLISH, DE DEUTSCH, FR FRANÇAIS, RU PYCCKUЙ, CZ ČESKÝ. Display 2/2: NL NEDERLANDS, IT ITALIANO ▲ / ▼ - switch between fields. ◄ / ► / ● / ↓ (F2) - wybôr; pole aktywne - [√]. ↓ (F1) - back to the previous screen. ↓ (F3) - ↓ - orange- save changes. ↓ - green- changes saved;



3.4.2.SETTINGS>OTHERS>BRIGHTNES

Optimal brightness of LCD setting screen. % - LCD brightness -range 10-100‰. </ / → - change of the field value. ← (F1) - back to the previous screen. (F3) -) → - orange- save changes. → - green-changes saved;







3.4.4. SETTINGS>OTHERS>REPORT

Activation screen of failure reports for AUTO and MANUAL MODE. In case of failure while normal or auto operation appears the screen with a list of channels for which the failure occurred.



FACTORY SETTINGS restore screen. The operation should be confirmed with YES button (F3). Remote control displays the startup screen with running SETTUP WIZARD.

(F1) - back to the previous screen.

TAK (F3)- restore to factory settings.



-

3.4.6. SETTINGS>OTHERS>SOFTWARE VERSION

Information screen about the current version of software preloaded on the **COSMO | HCT** remote control memory.

(F1) - back to the previous screen.



3.5 SETTINGS>REPORT

Report screen about the state of receivers with bidirectional communication.

Display 1/4: channels from 01 up to 06. Display 2/4: channels from 07 up to 12. Display 4/4: channels from 13 up to 18. Display 4/4: channels from 19 up to 24. ▲ / ▼ / ◀ / ► - switch between screens. ← (F1) - back to the previous screen.



BI-DIRECTIONAL CHANNEL- WAITING FOR REPLY- NAVY BLUE- remote control has sent a command to the receiver and is waiting for reply.

BI-DIRECTIONAL CHANNEL- REPLY RECEIVED- SHUTTER RAISING/ LOWERING- GREEN- receiver has executed the operation properly; BI-DIRECTIONAL CHANNEL- REPLY RECEIVED- COMFORT POSITION/STOP OPERATION- GREEN- receiver has executed the operation properly;

BI- DIRECTIONAL CHANNEL- NO REPLY- YELLOW- remote control has not received a reply from the channel - soft error - receiver beyond the reach of the remote control;



BI-DIRECTIONAL CHANNEL- REPLY RECEIVED- RED- incorrect execution of operations by the receiver - check the reason (shutter jam, obstacle, shutter is frozen);

UNIDIRECTIONAL CHANNEL- GRAPHITE- remote control does not check the state of the channel.

4. BI-DIRECTION.

COSMO | HCT remote control is an emitter that can communicate bidirectionally with the receivers- that is, that can send and receive messages from them. This function allows you to control the state of shutters- whether they have been lowered or raised properly- whether there is damage to be checked (eg. third-party action).

Proper operation of bi-directional communication requires:

- . (for receivers with two-way communication).
- proper channel configuration- set the bi- directional communication for each channel;
- programming one channel for one receiver;
- providing seamless communications of remote control with receivers;

Receivers that allow bi-directional communication: M35 ERS, M45 ERS

5.CHANNEL PROGRAMMING

Proper operation of the **COSMO | HCT** remote control, especially in the case of bi-directional receivers, requires that one channel on the remote control correspond exactly to one receiver. The remote control can simultaneously control many channels by combining them into groups. In order to program / assignment of the receiver to the channel, select one of the two variants of this operation: **OPTION A or OPTION B**.

5.1. CHANNEL PROGRAMMING- OPTION A

- Enter the SETTING mode press the key for about 5 seconds = (F3).
- 2. Then move to SETTINGS>MANAGEMENT>CHANNELS.
- Select from the list the channel you want to program (keys ▲/▼), then the key (F3).
- MOBILUS ERS MOTOR: enter the motor into MASTER PILOT PROGRAM MODE. Press in motor the PROGRAMMING key for 5 seconds or turn on and off twice the motor power supply or reset motor to the factory settings.

ER MOTOR: enter the motor into MASTER PILOT PROGRAM MODE by turning on and off twice the power supply.

- In remote control select for each channel the position from the list of settings: PROGRAMMING.
- Activate programming function by holding the one of keys of remote control: ● / □ (F2). The icon changes the colour when operation is active [blue, grey].
- MOBILUS ERS remote control will register the emitter as MASTER, perform soft move UP/DOWN, greed LED in the key turns off and the motor switches into OPERATION MODE.

MOBILUS ER remote control will register the emitter as MASTER, perform soft move UP/DOWN, and the motor switches into OPERATION MODE.



- In standard operation mode of remote control, on the MANUAL SCREEN CHANNELS screen, select the channel (keys
 / ►), that you want to programme. Then move to SETTINGS>MA-NAGEMENT>CHANNELS.
- MOBILUS ERS MOTOR: enter the motor into MASTER PILOT PROGRAM MODE. Press in motor the PROGRAMMING key for 5 seconds or turn on and off twice the motor power supply or reset motor to the factory settings.
 ER MOTOR: enter the motor into MASTER PILOT PROGRAM MODE by turning on and off twice the power supply.
- Press ▲ and buttons. Icon changing colour -[red/grey]- symbolizing start of programming process will appear on the screen.



 MOBILUS ERS remote control will register the emitter as MASTER, perform soft move UP/ DOWN, greed LED in the key turns off and the motor switches into OPERATION MODE. MOBILUS ER remote control will register the emitter as MASTER, perform soft move UP/ DOWN, and the motor switches into OPERATION MODE.

5.3. COMFORT POSITION- PROGRAMMING- OPTION B

Programming of comfort position for currently offered Mobilus motors.

- In standard operation mode of remote control, on the MANUAL SCREEN CHANNELS screen, select the channel (keys: ◄ / ►), that you want to programme.
- 2. Adjust the position of the shutters, which will be saved as **COMFORT POSITION.**
- Press the key for 15 sekonds.
- Icon changing colour [red/grey]- symbolizing start of programming process will appear on the screen.



5.4. COMFORT POSITION- PROGRAMMING-OPTION B

Programming of comfort position for Mobilus motors (offer valid from September 2014)

- In standard operation mode of remote control, on the MANUAL SCREEN CHANNELS screen, select the channel (keys ◄/►) that you want to programme.
- 2. Adjust the position of the shutters, which will be saved as COMFORT POSITION.
- Enter the SETTING mode press the key for about 5 seconds. (F3).
- Then move to SETTINGS>MANAGEMENT>CHA-NELS.
- From the list select again the channel, for which you want to save the comfort position (keys ▲ / ▼), then press (F3) key.
- 6. In settings please select the POZ. position not for the channel COMFORT.
- Activate programming function by holding the one of keys of remote control: ● / □ (F2). The icon changes the colour when operation is active [blue, grey].

5.5. COMFORT POSITION- CALL

- In standard operation mode of remote control, on the MANUAL SCREEN CHANNELS screen, select the channel (keys ◄/ ►), for which you want to programme the COMFORT POSITION.
- Press the exercise key for min. 3 seconds..
- The icon A chang ing colour [blue/grey] appears on the display.
- 4. Shutter comes out to the programmed position.





- 1. For cleaning, use a soft cloth (such as microfiber), moistened with water. Then wipe dry.
- 2. Do not use chemicals.
- 3. Avoid using in dusty rooms.
- 4. Do not use the device at temperatures greater or less than declared range.
- 5. Do not open the device-on pain of losing the warranty.
- 6. The device sensitive to dropping, throwing.

7. REPAIR

If you have any questions, please contact the seller.

Please provide the following information: Incident description, error, failure conditions.

8. OCHRONA ŚRODOWISKA



Niniejsze urządzenie zostało oznakowane zgodnie z Dyrektywą WEEE (2002/96/EC), dotyczącą zużytego sprzętu elektrycznego i elektronicznego. Zapewniając prawidłowe złomowanie przyczyniają się Państwo do ograniczenia nyzyka wystąpienia negatywnego wpływu produktu na śradowisko i zdrowie ludzi, które mogłoby zaistnieć w przypadku niewłaśćnej utylizacji urządzenia.

Symbol umieszczony na produkcie lub dołączonych do niego dokumentach oznacza, że niniejszy produkt nie jest klasyfikowany jako odpad z gospodarstwa domowego. Urządzenie należy oddać do odpowiedniego punktu utylizacji odpadów w celu recyklingu. Aby uzyskać dodatkowe informacje dotyczące recyklingu niniejszego produktu należy skontaktować się z przedstawicielem władz lokalnych, dostawcą usług utylizacji odpadów lub sklepem, gdzie nabyto produkt.