



## **COSMO HTC REMOTE CONTROL INSTRUCTION MANUAL**

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## GENERAL INFORMATION

Remote controller **COSMO| HTC v2014** is a 24-channel remote controller designed to remote control of **MOBILUS** receivers in the field of construction technologies (to control electrically 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



**H1** Headline 1- date, time and battery charge level.

**H2** Headline 2- operation mode info, location in menu.

**H3** Headline 2- additional info, location in menu.

**W** Area of operation- information about current operation or settings mode.

**HF** Function keys- icons corresponding to the functions assigned to function keys **F1, F2, F3**.

**F1** Function key 1- function dependent on the position in the menu structure.

**F2** Function key 2- function dependent on the position in the menu structure.

**F3** 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).

**K** AAA battery slot protecting flap.


Micro USB port.

## PACKAGE CONTENTS

The package contains the following items:

- COSMO | HTC remote control
- USB cable - micro USB,
- 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.)

## SPECIFICATIONS

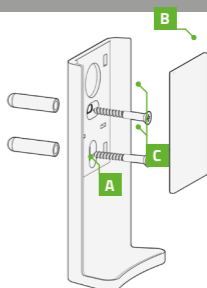
- Supports up to 24 channels.
- Supports 12 channel groups.
- Supply voltage 4.5 V DC. .
- Power source: 3 x AAA LR03 or 3 x AAA batteries.
- Operating temperature [° C]: 40° C.
- Display: colour LCD screen with a resolution of 240 x 320 px.
- Communication band: [MHz] - 868 MHz.
- Communication range [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.).
2. Mark a points on the wall so that the bracket after installation will touch the wall and will be perpendicular to the wall surface.
3. Drill holes and insert studs (distance between the holes 20 mm, diameter 4 mm).
4. Place the bracket and tighten to the wall.
5. Put masking cover on.

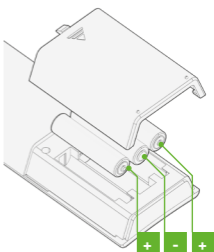


## POWER SUPPLY

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 non-rechargeable batteries.

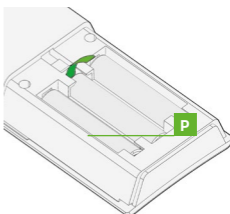
 - Fully charged battery.

 - 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.



## INITIAL START-UP

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.



## 1.1 SETUP WIZARD (RESTORE TO FACTORY SETTINGS)

**SETUP WIZARD** will appear due to starting **COSMO | HTC** 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 РУССКИЙ, CZ ČESKÝ.**

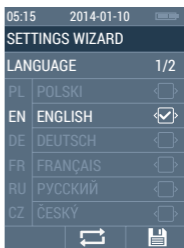
Display 2/2: **NL NEDERLANDS.**

▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

📄 (F3) - 📄 orange- save changes; change saving- switching 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 OPERATION MODE** of **COSMO** remote control | **HTC**.

Default city: **NL AMSTERDAM.**

Display 1/3: **NL AMSTERDAM, DE BERLIN, BE BRUXELLES, HU BUDAPEST, IR DUBLIN, UA КИЇВ.**

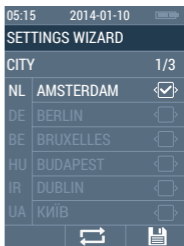
Display 2/3: **GB LONDON, ES MADRID, RU МОСКВА, FR PARIS, CZ PRAHA, IS REYKJAVIK.**

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

▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

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



### 1.1.3. SETUP WIZARD > DATE/TIME

Set the correct date and time. Required for proper operation **AUTOMATIC OPERATION MODE** of **COSMO** remote control | **HTC**.

Default date: **2014-01-01**; hour: **12:15**.

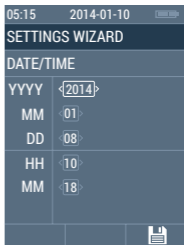
YYYY/MM/DD- year, month, day.

HH/MM- hour, minute.

▲ / ▼ - switch between fields.

◀ / ▶ - change of the field value.

📄 (F3) - 📄 orange- save changes; saving changes- exit **SETUP WIZARD** mode- switch to **STEERING** display.



## 2 STEERING WITH COSMO REMOTE CONTROL|HTC

Exit **SETUP WIZARD** moves you to the main display of **COSMO** remote control steering| **HTC**. 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.

### 2.1 MANUAL STEERING

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

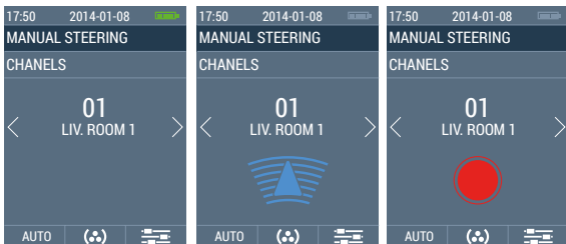
(●) (F2)- **MANUAL STEERING** display> **CHANNELS**.

(●●) (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 STEERING** 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.

## 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.


▲ - rising the blinds -  - icon changing the colour [blue/grey].

▼ - 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 -  - 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.

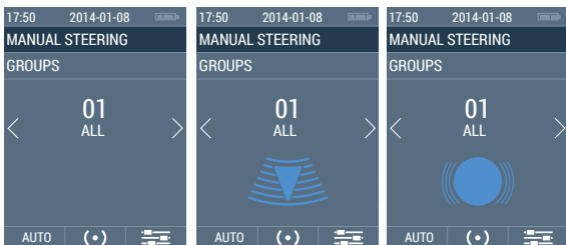
▲ + ● - start programming of the receiver for current channel-  the icon changing colour [red/grey] will be displayed.

**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 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.

▼ - lowering 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.

## 2.2 AUTO STEERING

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.

 **RANDOM**- 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.

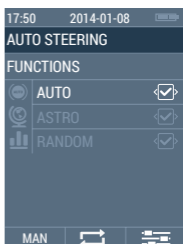
Activation of particular auto modes- **AUTO**, **ASTRO** enables switch to **MANUAL MODE** and further control of channels or groups - **AUTO**, **ASTRO** modes run in the background.

▲ / ▼ - switch between fields.


◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

**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 | HTC** 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:**

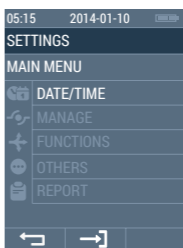
- **LANGUAGE**- change of user interface language.
- **BRIGHTNESS**- setting of display brightness level.
- **REPORT**- activation error reporting function for automatic and / or manual, for receivers with bi-directional communication.
- **SETTINGS RESET**- restore to factory settings.
- **FIRMWARE VERSION**-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

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

▲ / ▼ - switch between fields.

← (F1) - back to the previous screen.

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



### 3.1 SETTINGS> DATE/TIME

YYYY/MM/DD- year, month, day.

HH/MM

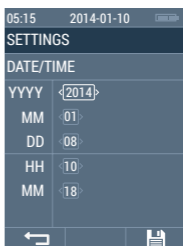
▲/▼ - switch between fields.

◀/▶ - change of the field value.

↶ (F1) - back to the previous screen.

📄 (F3) - 🟠 - orange- save changes

📄 - 🟢 - green- changes saved;



### 3.2 SETTINGS>MANAGEMENT

(•) CHANNELS- channel settings management display.

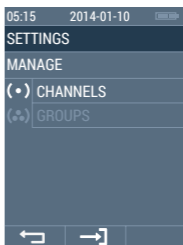
(••) GROUPS - channel group settings management display.

▲/▼- 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).

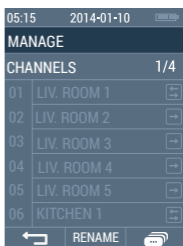
→ - Channel with one-directional communication (parameter change on the screen ⋮ - SPECIFIC SETTINGS of SELECTED CHANNEL).

▲/▼ - 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;



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

**BI-DIRECTION.** - turning on or off of bi-directional communication for current channel. Activation , causes that on the channel list will be displayed a message informing that the channel is bidirectional . Since that time, the motor will collect feedback from the receiver and generate a report\*.

/ / (F2) - select; active field - .

**PROGRAMMING** - programming of selected channel- icon changing the colour [blue/grey]. More details in **PROGRAMMING** chapter.

**COMFORTABLE POSITION** - programming of comfort position for selected channel- icon changing the colour [blue/grey]. More details in **PROGRAMMING** chapter.

**CHANGE DIRECTION** - switching off of that function will change the direction of motor operation- the icon changing colours [blue, grey]. For motors with electronic limit switches - **ERS SENSO** - change direction will be possible only before setting the end position.

/ - switch between fields.

/ (F2) - holding activates the function- for item from the list: , , .

(F1) - back to the previous screen.

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

\*Fuction available for receivers with bi-directional communication.



### 3.2.2. SETTINGS > MANAGEMENT > CHANNELS

Display with the list of 12 channel groups divided into 2 views (6 groups per view). Groups have the names initially assigned by the manufacturer.

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

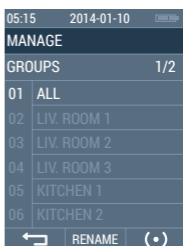
Display 2/2: groups from 07 up to 12.

/ - switch between fields.

(F1) - back to the previous screen.

/ **GIVE THE NAME (F2)** - edition of the name of selected group.

(F3) - display of adding channels to the selected group.



#### 3.2.2.1. SETTINGS > MANAGEMENT > CHANNELS > GIVE THE NAME

Display of edition of the selected group with display keyboard. Max. amount of characters: 12.

**BEDROOM 3\_** -edit name field.

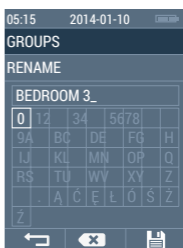
/ / / - switch between characters.

- 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;



#### 3.2.2.2. SETTINGS > MANAGEMENT > GROUPS > CHANNELS

The screen for selecting channels in the group. 24 square corresponding to 24 channels. The channel may be connected to many different groups at a time.

- channel not allocated to the selected group.

-channel allocated to the selected group.

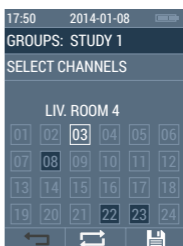
**SALON 3** - name of active channel.

/ / / - number of active channel.

(F1) - back to the previous screen.







/ (F2) - adding or deleting of the channel to/ from the group.

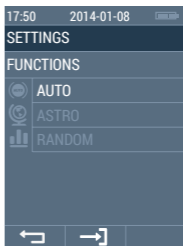
(F3) - orange- save changes; green- changes saved;





### 3.3 SETTINGS>FUNCTIONS

-  **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**.

 - 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.


 **DAILY**-daily mode.




 **WEEKLY**- weekly mode.

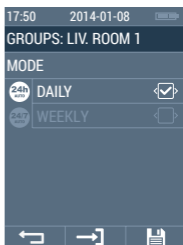
 - switch between fields.

 /  - select; active field-.

 (F1) - back to the previous screen.


 (F2) - activation screen for selected group.


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




#### 3.3.1.1.1. SETTINGS>FUNCTIONS>AUTO>MODE>DAILY


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




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

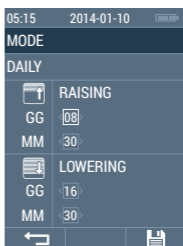
 **LOWERING**- HH hour and MM minute setting, when the shutter is to be lowered.

 - switch between fields.

 - select; active field.

 (F1) - back to the previous screen.

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



### 3.3.1.1.2. SETTINGS>FUNCTIONS>AUTO>MODE>WEEKLY

Selection screen of days for which shutter automatic control from the group will be turned on.

Repeat cycle- 7 days.

Display 1/2: **MONDAY-SATURDAY.**

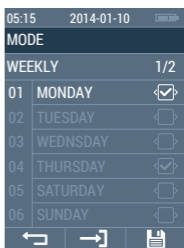
Display 2/2: **SUNDAY.**

▲ / ▼ - switch between fields.

◀ / ▶ / ● -select; active field.- [✓].

← (F1) - back to the previous screen.

● / → (F2) - settings screen time of shutter raising and lowering for the selected day.



📄 (F3) - 🟠 - orange- save changes 🟢 - green- changes saved;

### 3.3.1.1.2.1 SETTINGS>FUNCTIONS>AUTO>MODE>WEEKLY>[DAY]

Setting screen for shutter auto raising and lowering from selected group and selected day. Repeat cycle - 7 days.

📄 ⬆️ **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.

◀ / ▶ - 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 | HTC** 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.

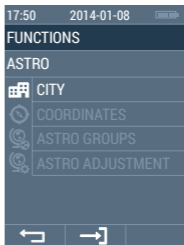
⚙️ **ASTRO CORRECTION** - - minute correction of values calculated by **ASTRO** functions.

🌞 **SUMMER/WINTER TIME- SUMMER/WINTER** -season determination.

▲ / ▼ - switch between fields.

← (F1)- back to the previous screen.

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



### 3.3.2.1.SETTINGS>FUNCTIONS>ASTRO>CITY

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 КИЇВ.

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

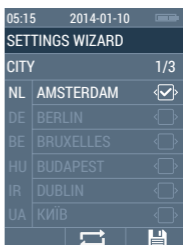
Display 3/3: IT ROMA, SE STOCKHOLM,  
PL WARSZAWA, AT WIEN.

▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

📄 (F3) - 🟠 - orange- save changes;

🟢 - green- changes saved;



### 3.3.2.2. SETTINGS>FUNCTIONS>ASTRO>CITY>COORDINATES

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**.

S / N LATITUDE- latitude.

E / W LONGITUDE- longitude.

TIME ZONE- time zone with location of user's residence.

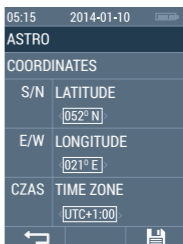
▲ / ▼ - switch between fields.

◀ / ▶ - change of the field value.

↶ (F1) - back to the previous screen.

📄 (F3) - 🟠 - orange- save changes

🟢 - green- changes saved;



### 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.

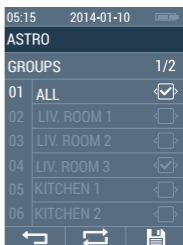
▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

↶ (F1) - back to the previous screen.

📄 (F3) - 🟠 - orange- save changes

🟢 - green- changes saved;



### 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!

🕒 - DST;

🕒 - standard time;

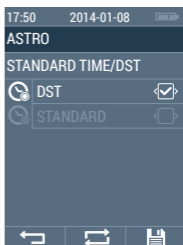
▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

↶ (F1) - back to the previous screen.

📄 (F3) - 🟠 - orange- save changes

🟢 - green- changes saved;



### 3.3.3. SETTINGS> FUNCTIONS> RANDOM (THEFT MODE)

time selection screen, from which will be randomly selected the value by which the **COSMO | HTC** 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

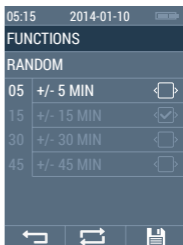
▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (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.

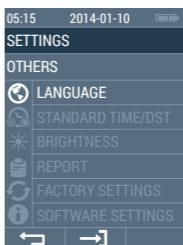
🔄 **SETTINGS RESET**- restore **COSMO|HTC** remote control to factory settings.

📄 **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 РУССКИЙ, CZ ČESKÝ.**

Display 2/2: **NL NEDERLANDS, IT ITALIANO**

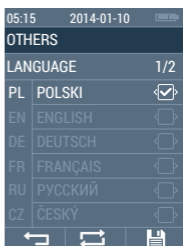
▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field -[✓].

↶ (F1) - back to the previous screen.

📄 (F3) - 🟡 - orange- save changes.

🟢 - green- changes saved;



#### 3.4.2.SETTINGS>OTHERS>BRIGHTNESS

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.



 **AUTO** - activation report with errors in automatic mode (**AUTO, ASTRO**).


 **MANUAL** - activation report with errors in manual mode (**AUTO, ASTRO**).

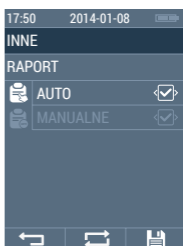
▲ / ▼ - switch between fields.

◀ / ▶ / ● / ↻ (F2) - select; active field - [✓].

↶ (F1) - back to the previous screen.

 (F3) -  - orange- save changes.

 - green- changes saved;

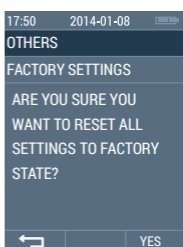


### 3.4.5. SETTINGS>OTHERS>SETTING RESET

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

↶ (F1) - back to the previous screen.

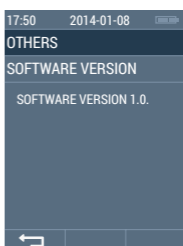
**YES** (F3)- restore to factory settings.



### 3.4.6. SETTINGS>OTHERS>SOFTWARE VERSION

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

↶ (F1) - back to the previous screen.



### 3.5 SETTINGS>REPORT

Report screen about the state of receivers with bi-directional 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.





REPORT	
CHANNELS 1/4	
01	LIV. ROOM 1 
02	LIV. ROOM 2 
03	LIV. ROOM 3 
04	LIV. ROOM 4 
05	LIV. ROOM 5 
06	KITCHEN 1 


 **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 | HTC** 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

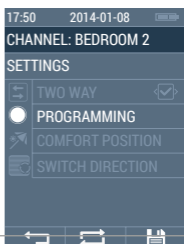
Proper operation of the **COSMO | HTC** remote control, especially in the case of bi-directional receivers, requires that one channel on the remote control correspond exactly to one receiver. The remote control can simultaneously control many channels by combining them into groups.






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

1. Enter the **SETTING** mode - press the key for about 5 seconds  (F3).
2. Then move to **SETTINGS>MANAGEMENT>CHANNELS**.
3. Select from the list the channel you want to program (keys ▲ / ▼), then the key  (F3).
4. **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.
5. In remote control select for each channel the position from the list of settings:  **PROGRAMMING**.
6. Activate programming function by holding the one of keys of remote control:  /  (F2). The icon changes the colour when operation is active [blue, grey].
7. **MOBILUS ERS** remote control will register the emitter as **MASTER**, perform soft move UP/DOWN, green LED in the key turns off and the motor switches into **OPERATION MODE**.

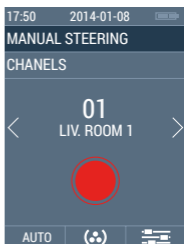
**MOBILUS ER** remote control will register the emitter as **MASTER**, perform soft move UP/DOWN, and the motor switches into **OPERATION MODE**.



CHANNEL: BEDROOM 2	
SETTINGS	
	TWO WAY 
	<b>PROGRAMMING</b>
	COMFORT POSITION
	SWITCH DIRECTION

## 5.2. CHANNEL PROGRAMMING- OPTION B

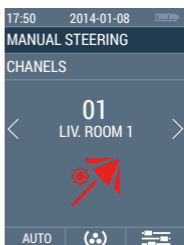
1. In standard operation mode of remote control, on the **MANUAL SCREEN CHANNELS** screen, select the channel (keys ◀/▶), that you want to programme. Then move to **SETTINGS>MANAGEMENT>CHANNELS**.
2. **MOBILUS ERS MOTOR:** enter the motor into **MASTER PILOT PROGRAM MODE**. Press in motor the **PROGRAMMING** 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.
3. Press ▲ and ● buttons. Icon changing colour ● - [red/grey]- symbolizing start of programming process will appear on the screen.
4. **MOBILUS ERS** remote control will register the emitter as **MASTER**, perform soft move **UP/DOWN**, green 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.

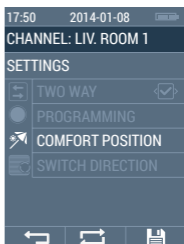
1. In standard operation mode of remote control, on the **MANUAL SCREEN CHANNELS** screen, select the channel (keys: ◀/▶), that you want to programme.
2. Adjust the position of the shutters, which will be saved as **COMFORT POSITION**.
3. Press the ● key for 15 seconds.
4. Icon changing colour ● [red/grey]-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



## 5.4. COMFORT POSITION- PROGRAMMING-OPTION B

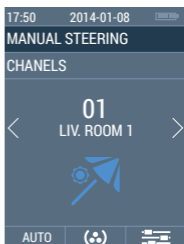
Programming of comfort position for Mobilus motors (offer valid from September 2014)

1. 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**.
3. Enter the **SETTING** mode - press the key for about 5 seconds. ⏏ (F3).
4. Then move to **SETTINGS>MANAGEMENT>CHANNELS**.
5. 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 ● [red/grey] for the channel **COMFORT**.
7. 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

1. 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**.
2. Press the ● key for min. 3 seconds..
3. The icon ● [blue/grey]- changing colour [blue/grey] appears on the display.
4. Shutter comes out to the programmed position.



## 6. MAINTANANCE

1. For cleaning, use a soft cloth (such as microfibre), 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 ryzyka wystąpienia negatywnego wpływu produktu na środowisko i zdrowie ludzi, które mogłoby zaistnieć w przypadku niewłaściwej 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.