

# LIBRA UL-R PROGRAMMING MENU REFERENCE

## NAVIGATION



## MAIN MENU

Press **OK** twice to enter to the programming **MAIN MENU**

### MAIN MENU

- PARAM
- LOGIC
- RADIO
- LANGUAGE
- DEFAULT
- AUTOSET

### DISPLAY

PARAM
LOGIC
RADIO
LANGUAGE
DEFAULT
AUTOSET

### DESCRIPTION

- (PARAMETERS SUB-MENU) Adjustment of all numerical values (torque, time, speed).
- (LOGIC SUB-MENU) Enabling and disabling of features.
- (RADIO SUB-MENU) Adding and deleting of radio transmitters (remotes).
- Selection of menu language (ITA - Italian, FRA - French, ENG - English, ESP - Spanish)
- Changes all Parameters, Logic and Language (Italian) settings to factory default.
- Performs Automatic torque setting for the motors.

## PARAMETERS SUB-MENU

### MAIN MENU

- PARAM
- LOGIC
- RADIO
- LANGUAGE
- DEFAULT
- AUTOSET

- TCA
- M1 T
- M2 T
- M1 T SLOW
- M2 T SLOW
- OPEN DELAY TIME
- CLS DELAY TIME
- M1 FAST TIME
- M2 FAST TIME
- SLOW SPEED
- ZONE

### DISPLAY

TCA
M1 T
M2 T
M1 T SLOW
M2 T SLOW
OPEN DELAY TIME
CLS DELAY TIME
M1 FAST TIME
M2 FAST TIME
SLOW SPEED
ZONE

### DESCRIPTION

- Timer to close** - Range: 3-60 seconds. 10
- Motor 1 torque** - Range: 1-99%. 50
- Motor 2 torque** - Range: 1-99%. Default: 50 50
- Motor 1 slowdown torque** - Range: 1-99%. 45
- Motor 2 slowdown torque** - Range: 1-99%. 45
- Motor 2 open delay time** - Range: 1.0-10 seconds. 1.0
- Motor 1 close delay time** - Range: 1.0-10 seconds. 1.0
- Motor 1 full speed run time** - Range: 1.0-30 seconds. 15
- Motor 2 full speed run time** - Range: 1.0-30 seconds. 15
- Slowdown speed** - Range: 0=Disabled, 1=50%, 2=33%, 3=25% 0
- NOT USED**

## LOGIC SUB-MENU

### MAIN MENU

- PARAM
- LOGIC
- RADIO
- LANGUAGE
- DEFAULT
- AUTOSET

- TCA
- 3 STEP
- IBL OPEN
- FAST CLS
- PHOTOC. OPEN
- TEST PHOT
- 1 MOT ON
- BLOC PERSIST
- START-CLOSE
- FIXED CODE
- RADIO PROG
- MASTER

### DISPLAY

TCA
3 STEP
IBL OPEN
FAST CLS
PHOTOC OPEN
TEST PHOTO
1 MOT ON
BLOC PERSIST
START-CLOSE
FIXED CODE
RADIO PROG
MASTER

### DESCRIPTION

- Timer to close** OFF
- Instant reverse.** Gate reverses with START input during close cycle. OFF
- Ignore START input** during the opening cycle. OFF
- Fast closing.** Gate immediately starts to close after PHOTO is cleared. OFF
- Ignore PHOTO** during the opening cycle. OFF
- Photo supervision.** Enables input 19. OFF
- Single motor operation.** Disables Motor 1. OFF
- Positive lock.** Presses for .5 seconds on close physical stop. OFF
- Close input.** Turns terminal 16 into CLOSE only input. OFF
- Fixed code.** Disables the rolling code feature on the radio receiver. OFF
- Quick remote learning.** Allows remotely setting receiver on learn mode. ON
- NOT USED**

## RADIO SUB-MENU

### MAIN MENU

- PARAM
- LOGIC
- RADIO
- LANGUAGE
- DEFAULT
- AUTOSET

- ADD START
- READ
- ERASE 64
- RX CODE

### DISPLAY

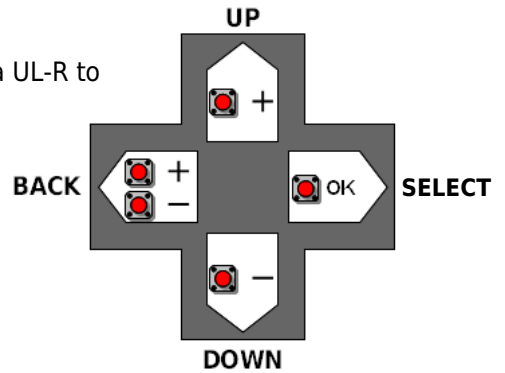
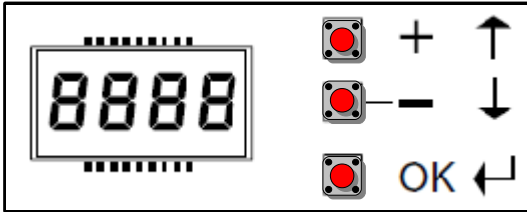
ADD START
READ
ERASE 64
RX CODE

### DESCRIPTION

- Radio learn.** Programs transmitters as START input.
- Transmitter read.** Displays information about transmitter signal.
- Memory deletion.** Deletes entire receiver memory.
- Displays receiver code** for advanced programming.

## NAVIGATE THE PROGRAMMING MENU

Use the LCD display and the 3 buttons on the upper right corner of the Libra UL-R to navigate and manipulate the menu. Press the **OK** button twice to start.



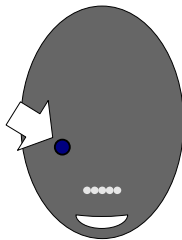
## RADIO TRANSMITTER PROGRAMMING (ADD START)

1. From the **MAIN MENU** select **RADIO**. `rAd io`
2. From the RADIO Sub-menu select **ADD START**. `Add StArt`
3. PRESS AND HOLD the **HIDDEN BUTTON** on your transmitter UNTIL THE SCREEN DISPLAYS "RELEASE". `h iddEn bÜtton` `rELeASE`
4. "**DESIRED BUTTON**" should be displayed on your screen. If not go back to step 2. `dES irEd bÜtton`
5. Momentarily press the button on your transmitter that you wish to operate the system with.
6. **OK** and the number of the memory location of the transmitter should be displayed on the screen for a short moment. If not, go back to step 2. `04 01`
7. For additional transmitters, repeat steps 2 through 6.

<b>MAIN MENU</b>	
PARAM	
LOGIC	
<b>RADIO</b>	<b>ADD START</b>
LANGUAGE	READ
DEFAULT	ERASE 64
AUTOSSET	RX CODE

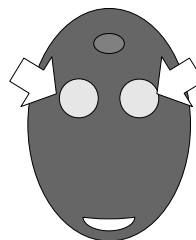
<b>RADIO</b>	
<b>ADD START</b>	<b>HIDDEN BUTTON</b>
READ	RELEASE
ERASE 64	<b>DESIRED BUTTON</b>
RX CODE	OK 01

### MITTO'S HIDDEN BUTTONS



**Physical hidden button**  
BACK OF TRANSMITTER

OR



**Virtual hidden button**  
Both buttons at the same time  
FRONT OF TRANSMITTER

## SINGLE MOTOR OPERATION (1 MOT ON)

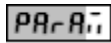
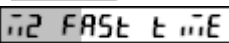

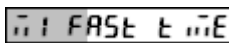

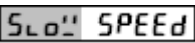

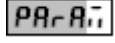
1. From the **MAIN MENU** select **LOGIC**. `LoG ic`
2. From the LOGIC Sub-menu select **1 MOT ON**. `1 mot on`
3. Switch to **ON** by pressing the + button. `on`
4. Press **OK**. `PrOg`
5. Press the + and - buttons at the same time to go back to the **MAIN MENU**. `PARArü`

<b>MAIN MENU</b>	
PARAM	
<b>LOGIC</b>	<b>TIMER TO CLOSE</b>
<b>RADIO</b>	3 STEP
LANGUAGE	IBL OPEN
DEFAULT	FAST CLS
AUTOSSET	PHOTOC. OPEN
	TEST PHOT
	<b>1 MOT ON</b>
	BLOC PERSIST
	START-CLOSE
	FIXED CODE
	RADIO PROG
	MASTER

## SETTING THE MOTOR SLOWDOWN

Prior to setting the slowdown, you must time in seconds, how long does it take for the gate to complete a stroke (from fully open to fully closed or viceversa).

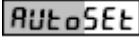



MAIN MENU	
PARAM	TCA
LOGIC	M1 T
RADIO	M2 T
LANGUAGE	M1 T SLOW
DEFAULT	M2 T SLOW
AUTOSET	OPEN DELAY TIME
	CLS DELAY TIME
	<b>M1 FAST TIME</b>
	<b>M2 FAST TIME</b>
	<b>SLOW SPEED</b>
	ZONE

1. From the **MAIN MENU** select **PARAM** (Parameters). 
2. From the PARAM Sub-menu select **M2 FAST TIME**. 
3. Set in seconds the motor's full speed running time (usually about 3 seconds less than the full stroke time).
4. Press **OK**. 
5. If 2 motors are connected, scroll up and select **M1 FAST TIME** and set the full speed run time. 
6. Press **OK**. 
7. Scroll down and select **SLOW SPEED**. 
8. Select the desired slowdown speed: 0= disabled, 1=50%, 2=33%, 3=25% (recommended)
9. Press **OK**. 
10. Press the + and - buttons at the same time to go back to the **MAIN MENU**. 

## AUTOMATIC TORQUE ADJUSTMENT (AUTOSET)

**WARNING** - Gate path must be free of all traffic and obstructions. The system will automatically open and close the gate at full torque while performing the self-learning adjustment. Failure to do so can result in property damage and/or bodily injury including death.

MAIN MENU
PARAM
LOGIC
RADIO
LANGUAGE
DEFAULT
<b>AUTOSET</b>

1. Close gate completely and make sure the gears are engaged.
2. From the **MAIN MENU** select **AUTOSET**. 
3. Press **OK**. Gate will automatically open and close at full torque. 
4. Once "OK" is displayed on the screen, press **OK**. 
5. Press + and - at the same time to exit programming. 

## AUTOMATIC CLOSING TIMER (TCA)

### Enabling the TCA.

1. From the **MAIN MENU**, select **LOGIC**. `LOGIC`
2. From the LOGIC Sub-menu, select **TCA**. `TCA`
3. Switch **ON** by pressing the + button and then the **OK** button. `Prog`
4. Press the + and - buttons at the same time to go back to the **MAIN MENU**. `LOGIC`

#### MAIN MENU

PARAM

**LOGIC**

RADIO

LANGUAGE

DEFAULT

AUTOSSET

#### TCA

3 STEP

IBL OPEN

FAST CLS

PHOTOC. OPEN

TEST PHOT

1 MOT ON

BLOC PERSIST

START-CLOSE

FIXED CODE

RADIO PROG

MASTER

### Adjusting the TCA time. (Default: 10 seconds)

1. From the **MAIN MENU** select **PARAM** (Parameters). `PARAM`
2. From the PARAM Sub-menu select **TCA**. `TCA`
3. Adjust the amount of seconds by using the + and - buttons.
4. Press **OK**. `Prog`
5. Press the + and - at the same time to go back to the **MAIN MENU**. `PARAM`

#### MAIN MENU

**PARAM**

LOGIC

RADIO

LANGUAGE

DEFAULT

AUTOSSET

#### TCA

M1 T

M2 T

M1 T SLOW

M2 T SLOW

OPEN DELAY TIME

CLS DELAY TIME

M1 FAST TIME

M2 FAST TIME

SLOW SPEED

ZONE

## IGNORE PHOTO INPUT DURING OPEN CYCLE (PHOTOC. OPEN)

1. From the **MAIN MENU** select **LOGIC**. `LOGIC`
2. From the LOGIC Sub-menu select **PHOTOC. OPEN**. `PHOTOC OPEN`
3. Switch **ON** by pressing the + button and then the **OK** button. `Prog`
4. Press the + and - at the same time to go back to the **MAIN MENU**. `LOGIC`

#### MAIN MENU

PARAM

**LOGIC**

RADIO

LANGUAGE

DEFAULT

AUTOSSET

#### TIMER TO CLOSE

3 STEP

IBL OPEN

FAST CLS

**PHOTOC. OPEN**

TEST PHOT

1 MOT ON

BLOC PERSIST

START-CLOSE

FIXED CODE

RADIO PROG

MASTER