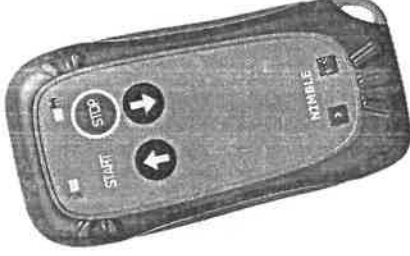




# HANDHELD NIMBLE

## HANDHELD USER AND MAINTENANCE MANUAL



### WARNINGS

This manual is an essential part of the device and it should be thoroughly kept for later consultation. Carefully read the warnings contained in this manual, concerning safety and a proper preservation of the product. These warnings must be carefully read before using the device. SISTEMATICA S.p.A. declines all responsibility for any trouble arising from the non-compliance with these warnings.

- AVOID ATTEMPTING TO REPAIR THE DEVICE BY YOURSELF. REPAIRS PERFORMED BY UNSKILLED PEOPLE CAN CAUSE SERIOUS DAMAGES OR FAILURES. FOR ASSISTANCE, APPLY TO YOUR LOCAL AUTHORIZED SERVICE CENTRE. USE ONLY ORIGINAL SPARE PARTS
- ALWAYS KEEP AT A SAFE DISTANCE FROM THE MOVING PARTS
- KEEP THE RADIO CONTROL OUT OF THE CHILDREN'S REACH

**SISTEMATICA S.r.l.**

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<http://www.sistematica.it> e-mail: [info@sistematica.it](mailto:info@sistematica.it)

**REV.4**

22/11/2017


## TECHNICAL FEATURES

- Number of command: 2
- Frequency bands: ISM 868/915 MHz
- Power supply: N°2 "AAA" 1,5 batteries
- Absorption at rest: ~ 1 µA
- Average absorption in transmission: 14 mA
- Maximum range in an open field: 100 ÷ 150 m in open field and free interference environment
- 2 LED indicator lights
- Silicon rubber keypad
- International Protection level: IP67
- Weight of the remote control (with batteries): 120 g
- Operating temperature: -20°C to +70°C
- Dimension (in mm): 109 x 56 x 30

## INSTRUCTION FOR USE

For correct use and in order to avoid damage to people or things, it is obligatory to follow these instructions:

1. Power on the controller and wait a few seconds (the controller takes a couple of seconds to be able to operate a sit carries out an self-diagnosis);
2. Press **START** button to allow the system to receive the transmission;
3. Press the required button on the handheld to activate the related output on the controller.

EXAMPLE: KEY  → OUT 1;

EXAMPLE: KEY  → OUT 2;

4. Press **STOP** button to inhibit the controls reception. In this phase all the controls are reset. To activate again the system press **START**.

## HANDHELD LED

### GREEN LED (REGULAR FUNCTIONING)

During the normal operation of the handheld, the GREEN LED flashes when any button is pressed. If the button is held down, the GREEN LED flashes each 3 seconds.

### RED LED (LOW BATTERY)

When the battery voltage is low (2.5V), the RED LED blinks as far as a button is pressed. At this point, it is suggested to replace the battery.  
If the battery voltage reaches 2.2V, keeping a button pressed the RED LED remains on.

**Do not leave flat batteries inside the transmitter for a long period.**



## WARNING ALARM

The following table describes the LED functions when a warning alarm occurs.

LED	FUNZIONAMENTO LED	SIGNIFICATO
Green led	Flashes	Key pressed
	Flashes each 3 sec.	Key always pressed
	Flashes once each sec.	Absence of link radio
	Flashes twice each sec.	Loss of link radio
Red led	Flash once each sec. at holding key ON	Flat batteries (<2.5V)
	ON at holding key	Flat batteries (<2.2V)

## SYSTEM CODING

It is necessary to code the system only if you have to replace the handheld or if you want to use it with a different controller from the one it was purchased with.



To do a new code of the system please refer to the correspondent controller user manual.

## HANDHELD BATTERIES REPLACING

If the red LED on the handheld flashes when a button is held down, it means that the batteries are almost flat (<2.5 V). In this condition, replace the batteries as soon as possible since the system performance may be impaired. When the voltage reaches values lower than 2.2 V, the red LED stays on when a button is pressed. In this condition, replace the batteries, as it is not possible to give commands to the output ports. To replace the batteries follow these instructions:

1. Obtain 2 "AAA" 1,5V alkaline batteries;
2. Open the battery compartment by unscrewing the two screws (Figure 1);
3. Remove the flat batteries from their holder (Figure 2);
4. Insert the new batteries paying attention to the polarity shown on the end. Before going ahead with closing the battery compartment, make sure the green LED emits a flash each time a key is pressed;
5. After checking that the handheld is working properly, close the container and screw back on the two screws indicated at point 2.

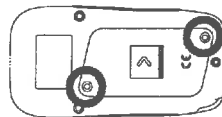


Figure 1

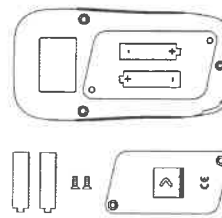


Figure 2



The handheld contains miniaturized electronic circuitry, and so we recommend taking great care when following the instructions for replacing the batteries, handling things delicately in a clean area.



It is not advisable to use carbon-zinc batteries as they can undergo self-discharge more rapidly than alkaline ones.



Do not use rechargeable batteries.

## PRODUCT IDENTIFYING LABELS



NIMBLE: Product model  
S/N: Product serial number  
Code: Product identification code



## HANDHELD IDENTIFICATION LABEL

## LABEL POSITION ON THE HANDHELD



Removal of the identifying labels entails lapsing of the guarantee conditions and the responsibility of SISTEMATICA S.p.A. with respect to competent bodies

## PROBLEM IDENTIFICATION AND SOLUTION

PROBLEM	POSSIBLE CAUSES	SOLUTION
The GREEN LED on the handheld does not light up when a key is pressed	Flat batteries	-Replacement of the handheld batteries (see "HANDHELD BATTERIES REPLACING")
The system does not respond to the control	Flat batteries Incorrect replacement of the batteries System not coded	-Replacement of the handheld batteries (see "HANDHELD BATTERIES REPLACING") -Check that the batteries have been inserted correctly; if necessary replace them (see "HANDHELD BATTERIES REPLACING") -Re-code the system (see "SYSTEM CODING")

## CE MARK



Declaration of conformity for Sistematica S.p.A. products can be found on the Web site [www.sistematica.it](http://www.sistematica.it)

## FCC STATEMENTS

These devices complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) these devices may not cause harmful interference and

(2) these devices must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to these equipment. Such modifications could void the user's authority to operate the equipments.

SISTEMATICA S.p.A. Grantee Code: O81



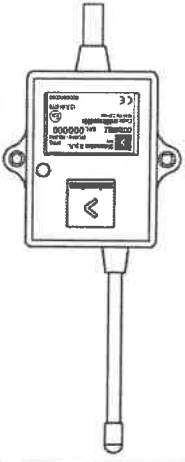
NIMBLERTX label example  
FCC ID: O81hmmmmn



### PRODUCT IDENTIFYING LABELS

Sistemattica S.p.A. (RTX)  
 885.4MHz - 688.2MHz  
**CTR/NIMBLE** S/N: **000000**  
 Code: **rn000nm000n**  
 10 R-04 0778  
 0000000000

**CE**



CTR/NIMBLE: Product model  
 S/N: Product serial number  
 Code: Product identification code

### CONTROLLER IDENTIFICATION LABEL

### LABEL POSITION ON THE CONTROLLER

Removal of the identifying labels entails lapsing of the guarantee conditions and the responsibility of SISTEMATICA S.p.A. with respect to competent bodies



### ISSUE IDENTIFICATION AND SOLUTIONS

ISSUE	POSSIBLE CAUSES	SOLUTIONS
The system does not respond to the controls	Absence of power in the controller	-Check that the vehicle battery is correctly connected to the controller.
	Incorrect connection of the cabling to the utilities	-Check the cabling to the users (indicators, electro-valves etc.)
	Incorrect installation of the controller	-The controller must not be shielded by ferrous masses (see "POSITIONING OF THE CONTROLLER")
	System not coded	-Re-code the system (see "SYSTEM CODING")

CE MARK



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### FCC STATEMENTS

These devices complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) these devices may not cause harmful interference and

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Sistemattica S.p.A. (RTX)  
 915.2MHz - 918MHz  
**CTR/NIMBLE** S/N: **000000**  
 Code: **rn000nm000n**  
 10 R-04 0778  
 0000000000

**CE**

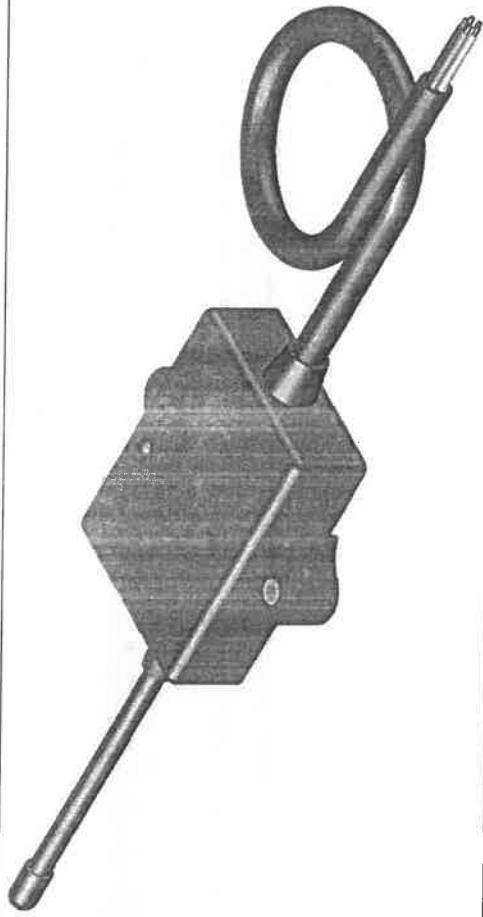
NIMBLE RTX label example  
 FCC ID: 08INIMBLE



# CONTROLLER NIMBLE

## CONTROLLER NIMBLE 2 FUNCTIONS

### USER AND MAINTENANCE MANUAL



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- DO NOT TRAVEL WITH THE DEVICE SWITCHED ON
- CONNECT THE SYSTEM ONLY TO THE VEHICLE'S BATTERY
- BEFORE CARRYING OUT ANY MECHANICAL MAINTENANCE OPERATION (WELDING) ON THE VEHICLE, DISCONNECT THE BATTERY CLIPS
- AVOID ATTEMPTING TO REPAIR THE DEVICE BY YOURSELF. REPAIRS PERFORMED BY UNSKILLED PEOPLE CAN CAUSE SERIOUS DAMAGES OR FAILURES. FOR ASSISTANCE, APPLY TO YOUR LOCAL AUTHORIZED SERVICE CENTRE. USE ONLY ORIGINAL SPARE PARTS
- ALWAYS KEEP AT A SAFE DISTANCE FROM THE MOVING PARTS

