



## IMPORTANT INFORMATION

Information provided in this manual is used for the installation of the radio remote control on the machine and for its maintenance.

Information provided in this manual allows to disable, enable and set some radio remote control's functions that may have impacts on the risk assessment related to the machine; this assessment must be carried out to decide whether the machine can be radio remote controlled.

Information provided in this manual cannot be used and performed by people who are not competent, responsible for and authorized to do that.

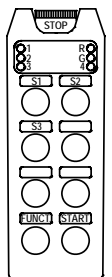
The person in charge for the machinery's safety must keep information contained in this manual reserved.

Those who use this information must also have been trained about the radio remote control and its risks by Autec's personnell or by people authorized by Autec.

Autec cannot be held liable for responsibilities resulting from the modification of these functionalities.

## AIR SERIES

## Function





# General Section

## General instructions

This manual aims at providing information to enable, disable and modify the features of Autec Air series' radio remote controls.

This manual and the "user manual" need to be fully read and understood by those who decide upon and/or modify the radio remote control's features.

Contact Autec if any of the instructions and/or warnings provided in this manual are not clear.

No part of this manual may be reproduced, in any form or by any means, without written permission of Autec (including recording and photocopying).

All operations described in this manual must be carried out by qualified technicians who are suitably trained with respect to the relevant norms and laws.

As for instructions and warnings regarding the machine where the radio remote control is to be installed, follow the instructions given in the machine's manual.

## Symbol conventions

This manual contains two symbols that highlight special indications.

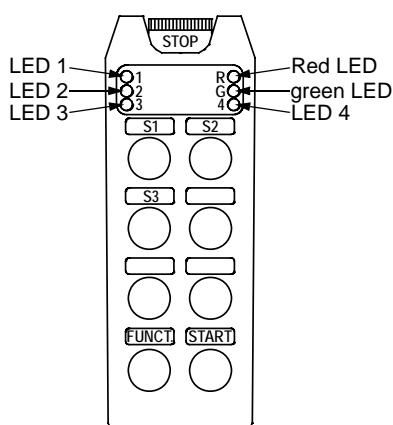


This symbol marks all extremely important indications and information: if they are not respected, this may result in critical danger for people or property.



This symbol identifies all texts in the manual that shall be read carefully.

## Caption



Signals	
	LED is off
	LED blinks once in a second
	LED blinks twice in a second
	LED blinks three times in a second
	LED is steady on
	LED repeats 1 blink and an off phase
	LED repeats 2 blinks and an off phase
	LED repeats 3 blinks and an off phase
	LED repeats 4 blinks and an off phase
	LED repeats 5 blinks and an off phase

Pushbuttons	
	pushbutton is released
	pushbutton pressed to first step
	pushbutton is pressed

# MSC


## Mode of Service Control

### Description of the MSC

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The MSC radio remote control's working mode is used to enter the installation menus. It is possible to enable/disable the MSC either by acting on the receiving unit or by acting on the transmitting unit.

The SERVICE CONTROL programming can only enable the MSC mode if it is enabled as a factory setting. Therefore, the MSC mode can only be enabled after making sure that it is activated (ON) by checking this in the technical data sheet.

 When the radio remote control is in MSC, pressed pushbuttons do not activate the receiving unit's outputs. Disable the MSC mode to start controlling the machine again.

### Enabling/disabling the MSC through the receiving unit

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#### Enabling the MSC

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To enable the MSC, do the following.

1. Remove power from the receiving unit.
2. Open the receiving unit and set DIP switch 2 on the mother board to ON.
3. Close the receiving unit and power it.

At the next radio remote control's start up, the green LED in the transmitting unit and the ENABLE LED in the receiving unit blink twice per second, indicating that the radio link has been built and the radio remote control is in MSC mode.

#### Disabling the MSC

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To disable the MSC do the following.

1. Remove power from the receiving unit.
2. Open the receiving unit and set DIP switch 2 on the mother board to OFF.
3. Close the receiving unit and power it.

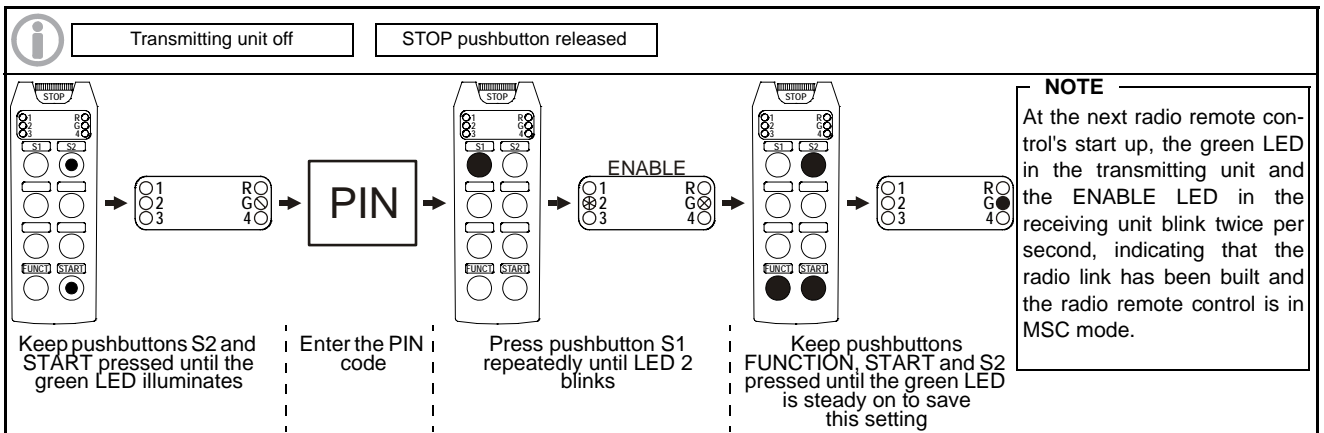
At next radio remote control start-up:

- the green LED in the transmitting unit blinks slowly, indicating that the radio remote control is ready to control the machine
- the ENABLE LED in the receiving unit blinks, indicating that the radio link is built.

## Enabling/disabling the MSC through the transmitting unit

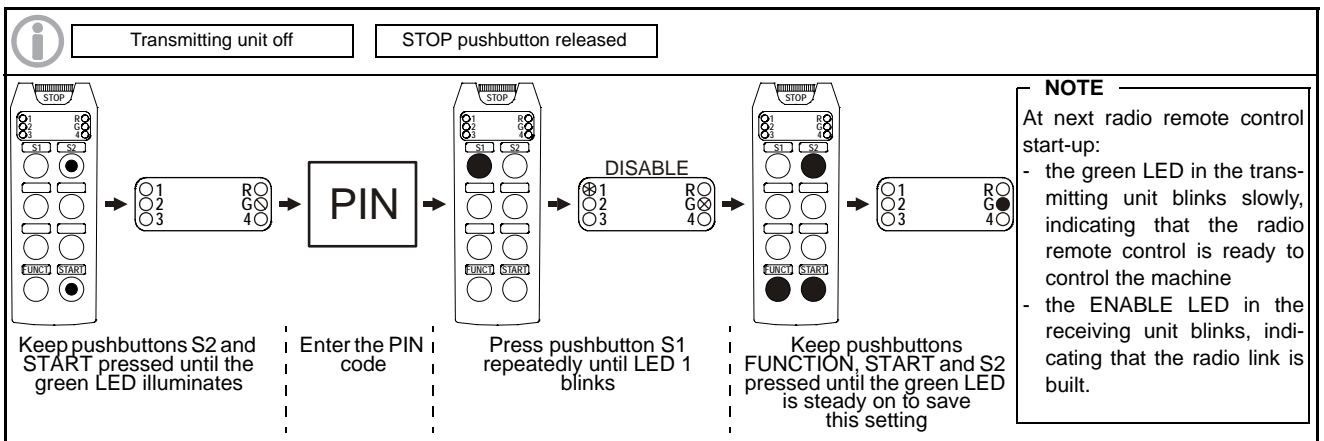
### Enabling the MSC

To enable the MSC do the following with the transmitting unit switched off and the STOP pushbutton released.



### Disabling the MSC




To disable the MSC do the following with the transmitting unit switched off and the STOP pushbutton released.



# FUNCTION

## FUNCTION programming

The FUNCTION programming is used to choose one of the 5 working modes of the FUNCTION pushbutton (momentary, latched, 1/2, 1+2/1/2).

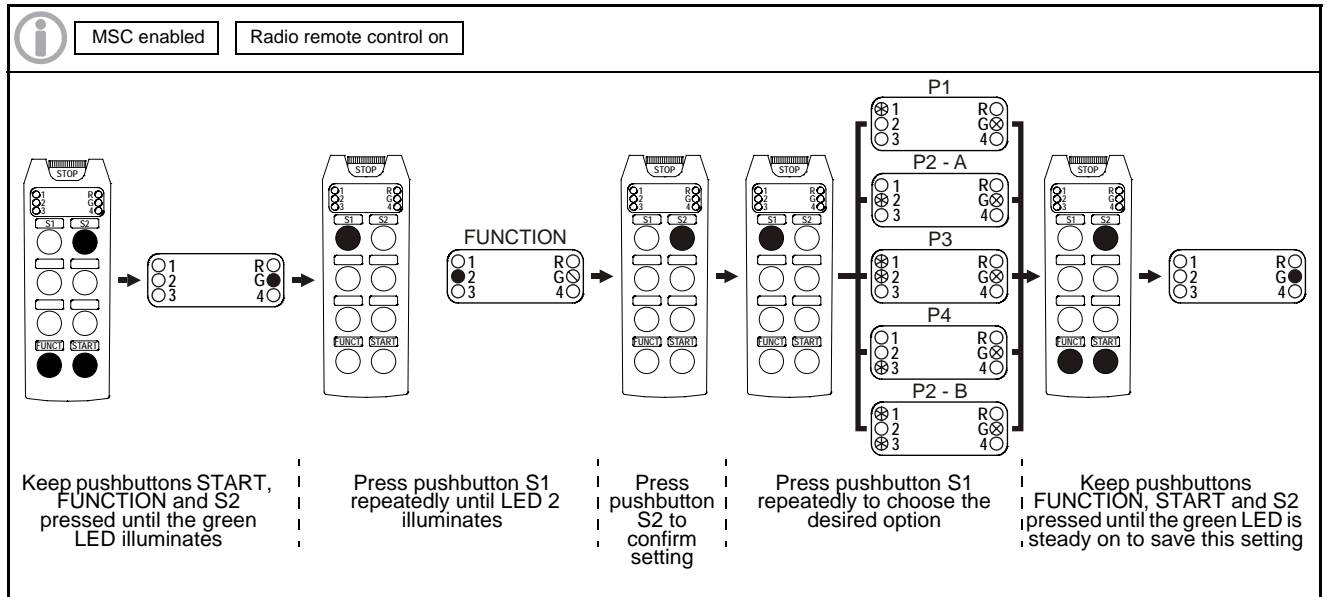
-  The FUNCTION programming can only be entered if the radio remote control is in MSC working mode (Mode of Service Control).
-  When the setting procedure has ended, disable the MSC mode to start controlling the machine again.
-  Write down all changes in the technical data sheet.

Programming related to "Function" is as follows:

- **P1 (momentary)**: the FUNCTION pushbutton works as impulsive (the related outputs only switches when it is pressed).
- **P2 - A (latched)**: the FUNCTION pushbutton works in step mode (set/reset). When this output is active, it is disabled if radio link is interrupted.
- **P2 - B (latched)**: the FUNCTION pushbutton works in step mode (set/reset). When this output is active, it is kept active if radio link is interrupted.
- **P3 (selector 1/2)**: the FUNCTION pushbutton works as a selector with two latching positions.
- **P4 (selector 1+2/1/2)**: the FUNCTION pushbutton works as a selector with three latching positions.

## Procedure for the FUNCTION programming

Carry out the following procedure with the radio remote control on and in MSC mode (in this condition the green LED in the transmitting unit blinks twice per second and the ENABLE LED in the receiving unit blinks).



## Leaving the FUNCTION programming without modifying settings

You can leave the FUNCTION programming in any moment without modifying the settings; do as follows:

1. press the STOP pushbutton
2. wait approx. 10 seconds without pressing any pushbutton.



