



# RADIO CONTROL SYSTEMS

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# RAPID GUIDE

# RADIO CONTROL SYSTEMS



S500MF

MULTIFREQUENCY  
ROLLING CODE



100 CHANNELS



3G RECEIVER  
WIFI RECEIVER



4-CHANNEL RECEIVER  
+ DISPLAY



4-CHANNEL RECEIVER



1-CHANNEL  
MINI RECEIVER



4-CHANNEL  
WALL-MOUNTING  
TRANSMITTER



3G RECEIVER  
WIFI RECEIVER



4-CHANNEL RECEIVER  
+ DISPLAY



4-CHANNEL RECEIVER

S500

433MHz  
FM ROLLING CODE



PRECODED TRANSMITTERS



2 CHANNEL  
TRANSMITTERS



4 CHANNEL  
TRANSMITTERS



8 CHANNEL  
TRANSMITTERS



2 CHANNEL  
TRANSCIVERS



4 CHANNEL  
TRANSCIVERS



4-CHANNEL KEYPAD

PRECODED TRANSMITTERS



2 CHANNEL  
TRANSMITTERS



4 CHANNEL  
TRANSMITTERS



8 CHANNEL  
TRANSMITTERS



2 CHANNEL  
TRANSCIVERS



4 CHANNEL  
TRANSCIVERS



4-CHANNEL KEYPAD

S400

433MHz  
FM ROLLING CODE



(precoded)



1 CHANNEL



2 CHANNELS



3 CHANNELS



4 CHANNELS

(precoded)



4-CHANNEL  
WALL-MOUNTING  
TRANSMITTER



4-CHANNEL KEYPAD

(precoded)



1 CHANNEL



2 CHANNELS



3 CHANNELS



4 CHANNELS

(precoded)



4-CHANNEL  
WALL-MOUNTING  
TRANSMITTER



4-CHANNEL KEYPAD

868MHz  
FM ROLLING CODE

# RAPID GUIDE

# RADIO CONTROL SYSTEMS



## S500 SERIES COMPATIBLE RECEIVERS



2-CHANNEL  
MINI RECEIVER



2-CHANNEL SLOT-IN  
RECEIVER CARD



2-CHANNEL  
OPEN COLLECTOR



ROLLING SHUTTER  
PROGRAMMER



ROLLING SHUTTER PROGRAMMER



ON/OFF PROGRAMMER



PROGRAMMER ROLLING  
SHUTTERS / AWNINGS



MULTIPROTOCOL INTER.

## S400 SERIES COMPATIBLE RECEIVERS (TXWALL only)



2-CANNEL MINI RECEIVER



2-CHANNEL SLOT-IN  
RECEIVER CARD



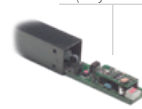
2-CHANNEL  
OPEN COLLECTOR



ROLLING GRILLS PROGRAMMER  
ON/OFF PROGRAMMER



PROGRAMMER FOR  
ROLLING SHUTTERS



PROGRAMMER FOR  
AWNINGS



MULTIPROTOCOL INTER.

## S504 / S508 RECEIVERS



3G RECEIVER  
WIFI RECEIVER



4-CHANNEL RECEIVER  
+ DISPLAY



4-CHANNEL RECEIVER



1-CHANNEL  
MINI RECEIVER



2-CHANNEL  
MINI RECEIVER



2-CHANNEL SLOT-IN  
RECEIVER CARD



2-CHANNEL  
OPEN COLLECTOR



ROLLING SHUTTER  
PROGRAMMER



ROLLING SHUTTER  
PROGRAMMER



ON/OFF PROGRAMMER



PROGRAMMER ROLLING  
SHUTTERS / AWNINGS



MULTIPROTOCOL INTER.

## S449 / S486 RECEIVERS



3G RECEIVER  
WIFI RECEIVER



4-CHANNEL RECEIVER  
+ DISPLAY



4-CHANNEL RECEIVER



2-CHANNEL MINI RECEIVER



2-CHANNEL SLOT-IN  
RECEIVER CARD



2-CHANNEL  
OPEN COLLECTOR



ROLLING GRILLS PROGRAMMER  
ON/OFF PROGRAMMER



PROGRAMMER FOR  
ROLLING SHUTTERS



PROGRAMMER FOR  
AWNINGS



MULTIPROTOCOL INTER.

RAPID GUIDE

RADIO CONTROL SYSTEMS



MORPHEUS

TRANSCIVER  
433MHz  
FM ROLLING CODE



433  
MHz



1 CHANNEL



2 CHANNELS



3 CHANNELS



4 CHANNELS



4 CHANNELS + AERIAL

TXQ PRO

MORPHEUS  
S500  
S400



433  
MHz

868  
MHz

MORPHEUS



4 CHANNELS  
4 CH + AERIAL

S504



4 CHANNELS  
4 CH + AERIAL

S508



4 CHANNELS  
4 CH + AERIAL

EDGE

433MHz  
AM FIXED CODES

433  
MHz



2 CHANNELS



4 CHANNELS



TRANSCEIVER MORPHEUS



TRANSCEIVER  
4 CHANNELS



TRANSCEIVER  
4 CHANNELS + INPUTS



TRANSCEIVER  
MINI 2 CHANNELS



TRANSCEIVER  
SLOT-IN 2 CHANNELS



TRANSCEIVER  
MULTIPROTOCOL INTER.

S449



4 CHANNELS  
4 CH + AERIAL

S486



4 CHANNELS  
4 CH + AERIAL



2-CHANNEL  
OPEN COLLECTOR



2-CHANNEL  
MINI RECEIVER



4 CHANNEL  
OUTDOOR RECEIVER



4 CHANNEL 230V  
OUTDOOR RECEIVER



PROGRAMMER FOR  
ROLLING GRILLS / SHUTTERS

# DIGITAL RADIO CONTROL MULTIFREQUENCY TRANSCEIVERS



## RADIO CONTROL SYSTEMS

433MHz - 868MHz FM ROLLING CODE  
 $2^{128}$  CODE COMBINATIONS  
 REMOTE MEMORISATION  
 RFID: WIRELESS MEMORY  
 MONO- AND BIDIRECTIONAL OPERATION  
 RANGE 100 - 150 m  
 MORE THAN 4 BILLION PRE-CODED TRANSMITTER CODES

Extremely secure state-of-the-art radio control devices with 128 bit cryptography.

These systems gather together a series of functions, mono and bidirectional with both 433 Mhz and 868 Mhz frequencies, into practical devices aimed at the remote control of automatic and security installations.

The devices are suitable for the control of automatic installations for gates and doors, the command and control of automatic rolling shutters and sun blinds, the activation of alarm and access control systems as well as the activation of all kinds of systems.

Digital solutions that provide practicality for the user and extremely useful and manageable appliances for the installer.



MULTI-FUNCTIONAL  
ERGONOMIC BUTTONS



MULTI-COLOUR LED PROGRAMMING



DIGITAL DISPLAY WITH ICONS



MANAGEMENT OF EVENTS,  
GROUPS AND SCENARIOS



BATTERY CHARGER / DATA CONNECTION  
VIA USB TYPE C CABLE



## PRODUCT DESCRIPTION

ORDER NUMBER

**WALL MOUNTED MULTIFREQUENCY RADIO CONTROL TRANSCIVER**

Series of wall-mounted digital transceivers with 4 buttons, each button is configurable on separate frequencies and different radio control series.

Being fully compatible with all series S500 and S400 receivers (see page 192 and 200 respectively), this device is a comprehensive and up to date solution capable of universal interaction with the most common Cardin radio control devices.

It is quick and easy to install thanks to its compatibility with standard 503 flush mounted boxes.

The device can be configured directly by following the procedure outlined via the multicoloured LED, or by using RFID technology via PGBASE500.

**WALL-MOUNTED MULTIFREQUENCY BATTERY-POWERED RADIO CONTROL TRANSCIVER**

3V battery-powered wall-mounted transceiver

**WALL MOUNTED MULTIFREQUENCY RADIO CONTROL TRANSCIVER WITH POWER SUPPLY CABLE**

Wall-mounted transceiver with external 12Vdc power supply

**PROGRAMMABLE 100-CHANNEL RADIO CONTROL TRANSCIVER**

A SINGLE radio control device that provides practicality for the user and an extremely useful and manageable appliance for the installer.

The radiocontrol, powered by a 3.7V Li-Poly rechargeable battery, is supplied with a type C adapter cable for easy recharging and configuration from a personal computer. It has a digital display (with programmable auto-off function to limit battery consumption) that allows the setting of events, groups and scenarios. The inbuilt real-time clock allows you to adjust opening and closing at different times of the day taking into account 3 weekly slots (Mon-Fri, Sat-Sat, Mon-Sun).

Connected to a bidirectional receiver the radio control receives a confirmation signal allowing you to control an operation from a remote location.

**TXWALL500MFB****TXWALL500MFL****UNICO500MF**

Overall dimensions  
48 x 125 x 12

**CODE AND MEMORY PROGRAMMING BASE VIA USB**

The USB code and memory programming base allows the transmitters to be programmed in batches and remote code memorisation and replacement thanks to the RFID technology present in the series S504 transmitters and in the management software CARDINTX\_SW.

**PGBASE500****LITHIUM BATTERY 3V (2 X CR2032)****XRP03**

# DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



## RADIO CONTROL SYSTEMS

433MHz - 868MHz FM ROLLING CODE

2<sup>128</sup> CODE COMBINATIONS

REMOTE TRANSMITTER MEMORISATION

RFID: WIRELESS MEMORY

AERIAL ANS400 - ANQ800-1

AVAILABLE TRANSMITTER CHANNELS 2-4-8

AVAILABLE TRANSCEIVER CHANNELS 2-4

RANGE 100 - 150 m

MORE THAN 4 BILLION PRE-CODED TRANSMITTER CODES

An extremely secure state-of-the-art radio control system with 128 bit cryptography. The system has gathered together a series of specific appliances under a single working protocol aimed at the remote control of automatic and security installations. Solutions for all possible uses: control of automatic installations for gates and doors, the command and control of automatic rolling shutters and sun blinds, the activation of alarm and access control systems as well as the activation of all ON-OFF or timer-controlled systems. Adopting the S504 - S508 system doesn't just offer high levels of efficiency but also provides practicality for the user and an extremely useful and manageable appliance for the installer.

### NETWORK CONNECTIVITY

The S504 - S508 range interacts with an evolved system consisting of a server dedicated to the 3G/WF connection by means of appliances and software for computers and smart phones.

### DIGITAL ROLLING CODE TRANSMITTERS 128 BIT WITH 2/4/8 CHANNELS

The transmitters, powered by a 3-volt lithium batteries (1 x CR2032) with a range of from 100 to 150 metres, are pre-coded in the factory with a unique identification number printed on the rear so as to allow memorisation in lots on the receiver and can be enabled without the presence of the receivers from a remote location through the use of a second transmitter that has already been memorised in the system. They are fitted with a key-lock function which when selected protects the appliance from any accidental activation and automatic shut down that cuts in after at least twenty seconds of continuous activation in order to reduce battery consumption. The bidirectional transmitters (transceivers) receive a confirmation signal allowing you to control an operation from a remote location.

### QUARTZ RECEIVERS WITH THE POSSIBILITY OF MEMORISING UP TO 1000 USER CODES

The receivers are available in all the classic Cardin versions: outdoor receivers 12-24V with display, with LCD display and 3G/WF functions in watertight cases IP55, mini receiver units to be installed in appliances which already have a protective casing and slot-in receiver cards for direct insertion into host appliances designed to receive them. A code and memory programming base via USB allows the transmitters to be memorised in blocks and access to the remote memorisation function thanks to the RFID technology fitted into the transmitters.

TXQ504C8



TXQ508C8



REMOTE ENABLING USING  
A TRANSMITTER ALREADY  
MEMORISED IN THE SYSTEM



KEY BLOCK PROTECTION  
AGAINST CASUAL ACTIVATION



FLUSH-FITTING METAL KEYRING



DOUBLE PROTECTIVE CASING  
SHOCKPROOF CONTAINER



3V LITHIUM BATTERY (1 x CR2032)



## PRODUCT DESCRIPTION

## ORDER NUMBER

**PRECODED TRANSMITTERS**

Container in shockproof plastic material.  
3V lithium battery power supply CR2032.  
Overall dimensions 35 x 80 x 11.

**2-CHANNEL TRANSMITTER****4-CHANNEL TRANSMITTER****8-CHANNEL TRANSMITTER****2-CHANNEL TRANSCEIVER****4-CHANNEL TRANSCEIVER****2-CHANNEL TRANSMITTER****4-CHANNEL TRANSMITTER****8-CHANNEL TRANSMITTER****2-CHANNEL TRANSCEIVER****4-CHANNEL TRANSCEIVER****5 2-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****5 4-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****TRANSMITTER WALL / CAR SUPPORT DARK GREY****TRANSMITTER WALL / CAR SUPPORT LIGHT GREY****CODE AND MEMORY PROGRAMMING BASE VIA USB**

The USB code and memory programming base allows the transmitters to be programmed in batches and remote code memorisation and replacement thanks to the RFID technology present in the series S504 transmitters and in the management software CARDINTX\_SW.

**NUMERICAL CODE KEYPAD VIA RADIO**

Container in shockproof polycarbonate IP57.  
3V lithium battery power supply (ZRA3.0-3.8-W).  
Number of code available combinations: 1.000.000.  
Possibility of memorising up to 500 user codes.  
Manages up to 4 distinct functions and communicates with all S504 (433MHz) and S508 (868MHz) standard receivers.  
Backlighting is controlled by a proximity light sensor.  
Overall dimensions 74 x 130 x 20.

**3V LITHIUM BATTERY PACK (SSB-504 / SSB-508)****WALL-MOUNTED MULTIFREQUENCY BATTERY-POWERED RADIO CONTROL TRANCIEVER****WALL MOUNTED MULTIFREQUENCY RADIO CONTROL TRANCIEVER WITH POWER SUPPLY CABLE****PROGRAMMABLE 100-CHANNEL RADIO CONTROL TRANSCEIVER**

TXQ504C2

TXQ504C4

TXQ504C8

TXQ504BD2

TXQ504BD4

TXQ508C2

TXQ508C4

TXQ508C8

TXQ508BD2

TXQ508BD4

COVERMIX5002

COVERMIX5004

XACSUPTX500

XACSUPTX500GC

PGBASE500

SSB-504

SSB-508

ZRA3.0-3.8-W

TXWALL500MFB

TXWALL500MFL

UNICO500MF



See section SERIES 500: MULTIFREQUENCY on page 190

# DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



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## RADIO CONTROL SYSTEMS

### RECEIVERS

The receivers are available in all the classic Cardin versions: outdoor receivers 12-24V with display, with LCD display and 3G/WiFi functions, 230V radio programmers in watertight cases with flip up access covers, mini receiver units to be installed in appliances which already have a protective casing and slot-in receiver cards for direct insertion into host appliances designed to receive them:

- outdoor receiver with a multi-decoding module S449 - S486 - S504 - S508, LCD display and 3G-WiFi functions;
- standard outdoor receivers;
- outdoor receivers with display;
- 2-channel mini receivers, slot-in receiver cards;
- 2-channel open collector receiver cards;
- outdoor radio programmers;
- multiprotocol interface.

### RECEIVERS WITH LCD DISPLAY AND 3G/WiFi FUNCTIONS

Thanks to the inbuilt 2G-3G or WiFi module, avant-garde software and a highly efficient signal reception apparatus the receiver allows the remote management (without range limits) of all installations that require remote control via radio (automatic entry systems, access control, car-parks etc.). The appliance is ideally suited to multi-user installations (up to 3000 transmitters can be memorised) and ones that require frequent upgrading and modification of the codes. The USB connection, the programming and setting buttons and the efficient display allow the appliance to be easily configured. The installation management functions are: transmitter code memorization/ cancellation and programming the function mode for each single output.

The receiver can manage up to four programmable channel modules (impulsive/ ON-OFF/timer controlled, NO/NC contact type and power on reset). The device also features a Real Time Clock which can be used to set the time bands during which the outputs are active, as well as a non volatile memory module which can store up to 100000 relay activation events which may be downloaded during a normal connection and consulted at will. The CARDINTX\_SW, software that can be downloaded from the website [www.cardin.it](http://www.cardin.it) allows the stored user codes to be managed by means of one of three possible connection methods: direct via USB cable, using the mobile communications network with a 2G/3G module or using a WF module. One or more outputs can be remotely activated over the phone or via SMS with an installed 2G/3G module or using an App.

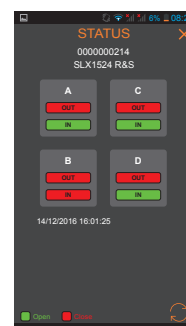
Four independent inputs are also available which can be used to monitor external appliances the status of which can be obtained from the receiver via SMS or an App. Using the Cardin software it is possible to set the receiver's 4 inputs according to the requirements of the installation. As soon as an event such as resetting the position status of the door, security devices intervening, presence/absence of power etc. is detected, the receiver will send a personalised message to the pre-registered e-mail addresses. Thanks to this system the 3G receiver becomes a very useful maintenance management tool.



3G/WiFi receiver



### APP CARDIN "CRD ONE" FOR SMARTPHONE AND TABLET





## PRODUCT DESCRIPTION

## ORDER NUMBER

**RECEIVERS WITH LCD DISPLAY AND 3G/WiFi FUNCTIONS  
(12/24Vac-dc)**

All weather box in ABS - IP55. Overall dimensions 135 x 175 x 85.  
The receiver can be fitted with up to four programmable relay modules MCCMORPHM1 (impulsive, ON-OFF or timer controlled).  
1 relay inserted.

Possibility of memorising up to 3000 codes.

USB connection and 2G-3G-WiFi module for remote user and activation of the output relays.

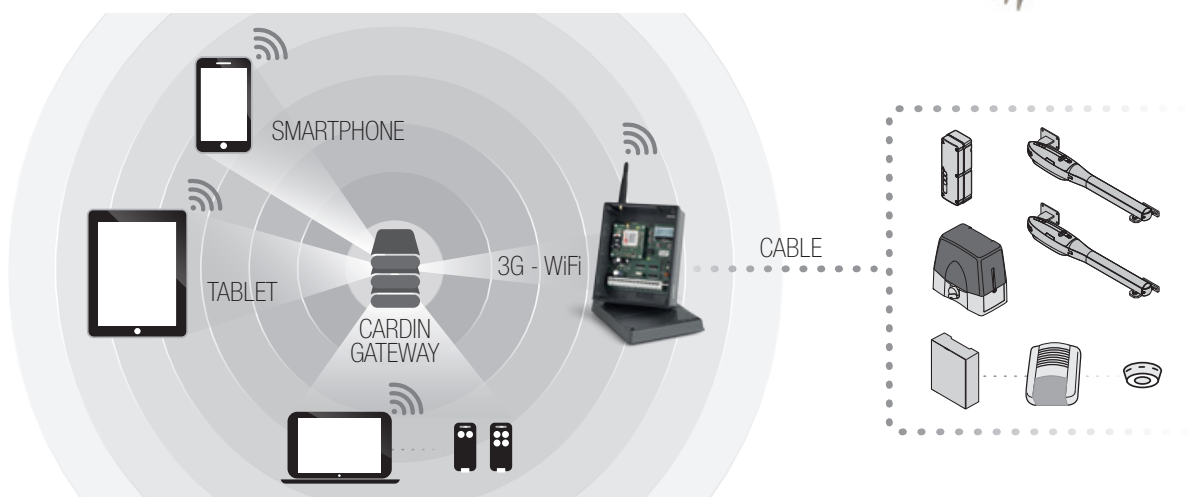
The RCQ433/868-3G10 receivers include a 10 year subscription with our partner Vodafone.



3G receiver



WiFi receiver

**2G-3G RECEIVERS****2G-3G RECEIVERS + SIM VODAFONE****WiFi RECEIVER****2G-3G RECEIVERS****2G-3G RECEIVERS + SIM VODAFONE****WiFi RECEIVER****3000-CODE MEMORY MODULE****5000-CODE MEMORY MODULE****3000-CODE MEMORY MODULE****RCQ433-3G****RCQ433-3G10****RCQ433-WF****RCQ868-3G****RCQ868-3G10****RCQ868-WF****MCC24LC256****MCC24LC512****ZGB24LC256-I/P**



## PRODUCT DESCRIPTION

## ORDER NUMBER

**STANDARD OUTDOOR RECEIVER (12/24Vac-dc)**

The unit can be fitted with up to four interchangeable relay modules MCCMORPHM1, which can be set to ON/OFF or impulsive. 1 relay inserted.

Possibility of memorising up to 1000 codes.

**OUTDOOR RECEIVER WITH DISPLAY (12/24Vac-dc)**

The unit can be fitted with up to four interchangeable relay modules MCCMORPHM1, which can be impulsive, ON-OFF or timer controlled. 1 relay inserted.

Possibility of memorising up to 1000 codes.

**1-CHANNEL MINI RECEIVER (230Vac)**

The unit is fitted with one soldered power relay (max. 3A, 230V), which can be impulsive, ON-OFF or timer controlled.

Possibility of memorising up to 1000 codes.

**OUTDOOR RECEIVER (230Vac)**

The unit is fitted with four soldered power relays (max. 5A, 230V), which can be impulsive, ON-OFF or timer controlled.

Possibility of memorising up to 1000 codes.

**1-CHANNEL MINI RECEIVER (12/24Vac-dc)**

Electronic circuit with a 7-way terminal block; Fitted with 1 relay channel which can be set to ON/OFF or impulsive.

Possibility of memorising up to 1000 codes.

**2-CHANNEL MINI RECEIVER (12/24Vac-dc)**

Electronic circuit with a 10-way terminal block; Fitted with 2 relay channels which can be set to ON/OFF or impulsive.

Possibility of memorising up to 1000 codes.

**2-CHANNEL SLOT-IN RECEIVER CARD (24Vac-dc)**

Receiver card for direct insertion into a host appliance designed to receive it. Fitted with 2 relay channels which can be set to ON/OFF or impulsive.

Possibility of memorising up to 1000 codes.

**RCQ504NC1****RCQ508NC1**

All weather box in ABS - IP55.

Overall dimensions 148 x 118 x 40.

**RCQ504ND1****RCQ508ND1**

All weather box in ABS - IP55.

Overall dimensions 148 x 118 x 40.

**RVQ504C1****RVQ508C1**

Indoor box IP20.

Overall dimensions 106 x 36 x 21.

**RVQ504C4****RVQ508C4**

All weather box in ABS - IP55.

Overall dimensions 148 x 118 x 40.

**RQM504C1****RQM508C1**

Indoor box IP20.

Overall dimensions 89 x 48 x 22.

**RQM504C2****RQM508C2**

Indoor box IP20.

Overall dimensions 95 x 75 x 25.

**RSQ504C2****RSQ508C2**

Overall dimensions 70 x 52 x 20.





## PRODUCT DESCRIPTION

## ORDER NUMBER

**2-CHANNEL RECEIVER CARD (5Vdc)**

Open collector receiver card for direct insertion into a host appliance designed to receive it. Impulsive channels.  
Possibility of memorising up to 1000 codes.

**RSQ5040C2****RSQ5080C2**

Overall dimensions 48 x 35 x 10.

**RADIOPROGRAMMER FOR ROLLING SHUTTERS, SUN BLINDS AND AWNINGS (230V-1000W)**

Logic integrated into the receiver with work time management and output for the control of one motor. Suitable for the command of automatic rolling shutters, sun blinds and awnings. Inputs for one opening and one closing command via cable. Manual operation in either the opening/closing or only closing direction.

**RPQ504T10****RPQ508T10**

Indoor box IP20.

Overall dimensions 106 x 36 x 21.

**RADIOPROGRAMMERS FOR ROLLING GRILLS (230V-600W)**

Logic integrated into the receiver and output for the control of one motor. Power supply output for a pair of Cardin photoelectric cells. Possibility of memorising up to 1000 transmitters.

**RPQ504****RPQ508**

All weather box in ABS - IP55.

Overall dimensions 139 x 115 x 44.

**RADIOPROGRAMMERS ON/OFF + TIMER (2000W)**

For specific uses such as the remote control of external (gardens) and internal lighting; the remote control of power sockets. Connecting the radio programmer to a light detection device will prevent it from switching on the lighting system during the daytime. Possibility of memorising up to 1000 user codes. Timer settings: from 1 min. to 23 hrs. 59 min.

**RPQ504IT0****RPQ508IT0**

All weather box in ABS - IP55.

Overall dimensions 139 x 115 x 44.

**RADIOPROGRAMMERS FOR ROLLING SHUTTERS / AWNINGS (400 W)**

The radio programmer allows the remote control of one single phase motor and finds its best use in the command of automatic rolling shutters and awnings. The appliance is designed for the connection of an anemometer (see chapter COMMAND AND SAFETY DEVICES).

**RPQ504RNA0****RPQ508RNA0**

Indoor box IP43.

Power supply 230Vac.

Overall dimensions 120 x 85 x 20





## PRODUCT DESCRIPTION

## ORDER NUMBER

**MULTIPROTOCOL INTERFACE**

The interface is able to decode a radio frequency signal coming from a S504-S508 transmitter or via cable from a DKS1000T/DKSDUALT and output a Wiegand/ISO-3554 digital signal, containing the transmitter code, in 13 different formats.

It is fitted with a USB for connection to a PC and an input that can be connected to a timer or a switch with the aim of enabling or disabling the interface over different time periods. Rolling Code management with transmitter memorization on the interface.

**BLUETOOTH INTERFACE WITH FOUR RELAYS**

The interface with a Bluetooth module allows the control of four relays with NO or NC contacts. The selection dip-switches (one block per relay) allow you to select the relay's activation method: impulsive, ON/OFF, timer controlled or remotely controlled relay activation using the programming calendar in the Cardin multiprotocol interface Cardin RCQ504/508W00. The programming buttons (one per relay) allow you to set the activation times for the relays (from 1 s to 5 min) for the timer controlled mode.

The Bluetooth module MODBT is to be ordered separately.

**BLUETOOTH MODULE PRO**

The module allows the exchange of information between the **Cardin Pro** motor's electronic control unit and the Cardin 3G/WF interface via Bluetooth.

**RCQ504W00****RCQ508W00**

Power supply	12/24Vac-dc.
Electrical input	20mA.
Overall dimensions	148 x 118 x 40.
All weather box in ABS	- IP55.
Carrier frequency	433,92MHz - 868,3MHz.

**INTBTC4**

Power supply	12/24Vac-dc.
Electrical input	50mA.
Overall dimensions	95 x 75 x 25.
Indoor box	IP20

**MODBT**



## PRODUCT DESCRIPTION

## ORDER NUMBER

**QUARTZ RECEIVER/TRANSCIVER MODULE (433MHz - 868MHz)**

Superheterodyne in FM with a digital filter.  
Unidirectional (DG) and bidirectional (DG) versions.  
RF module without decoder for the reception of digital signals.  
Voltage: 5Vdc - Electrical input: 15mA.  
Overall dimensions 40 x 20 x 13.

**JRF433QFMDG1****JRF868QFMDG1****JRF433QFMBD0****JRF868QFMBD0****STRIP WITH 1 PROGRAMMABLE RELAY (S504 - S508)**

The relay can be set on the receiver to one of the functions.

**MCCMORPHM1****CODE MEMORY MODULES**

Extractable and furnished with non volatile memory, this EEPROM contains the system code

**1000-CODE MEMORY MODULE  
(RECEIVERS S504D1-S508D1) VERTICAL****MCC24LC64****1000-CODE MEMORY MODULE (S504 - S508)****ZGB24LC64-I/P****SLOT-IN RECEIVER ADAPTOR**

Allows you to use the AMP 10-way receiver card connector as a standard terminal block.

**RSQSPP****AERIAL FOR 433MHz RECEIVERS****AERIAL FOR 868MHz RECEIVERS****COAXIAL CABLE RG58 (per metre)****ANS400****ANQ800-1****ZVCRG58****KIT AERIAL EXTENSION 2G - 3G WiFi 10m SMA-M****KIT AERIAL EXTENSION 2G - 3G WiFi 5m SMA-M****ANSKITGSMWF10****ANSKITGSMWF5****LITHIUM BATTERY 3V (2 X CR2032)****XRP03**

# DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



## RADIO CONTROL SYSTEMS

433MHz - 868MHz FM ROLLING CODE

2<sup>66</sup> CODE COMBINATIONS

MEMORISATION VIA RADIO

AERIAL ANS400 - ANQ800-1

AVAILABLE CHANNELS 1-2-3-4

RANGE 100 - 150 m

MORE THAN 268 MILLION PRE-CODED TRANSMITTER CODES

An innovative radio control system that has gathered together a series of specific appliances under a single working protocol aimed at the remote control of automatic and security installations.

High-technology appliances, protected by robust and practical containers, easy to install and pleasing on the eye in the usual style of Cardin products.

Solutions for all possible uses: control of automatic installations for gates and doors, the command and control of automatic rolling shutters and sun blinds, the activation of alarm and access control systems as well as the activation of all ON-OFF or TIMER-CONTROLLED systems. Adopting the S449 - S486 as a command and control system for remote controlled installations, automatic gates and doors and security systems, doesn't just offer high levels of efficiency but also provides practicality for the user and an extremely useful and manageable appliance for the installer. A complete and secure system, the best today's technology has to offer, which has been designed and realised with the quality and attention to detail that only CARDIN products can provide.

The "key" to the system is the "simply unique" set of transmitters, made of anti-scratch, shockproof materials that are compact and easy to use. They are available in the following versions: pocket size with 1-2-3-4 channels and wall mounted with four available functions working from a fixed position. The single button radio controls (1 channel) are suitable for alarm systems and access control. The practical and efficient three button radio controls specially designed to command rolling shutters and sun blinds allow the functions open, close and stop to be immediately identified.

A clip is available allowing the insertion of a transponder into the transmitter unit.

TXC449400



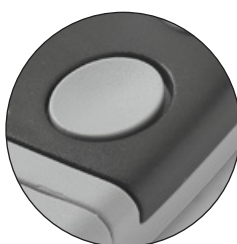
TXC486400



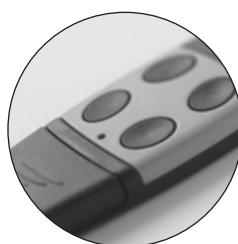
SELF-LEARNING



MEMO RADIO - KEY LOCK



ERGONOMIC BUTTONS



COMPACT CASE



3V LITHIUM BATTERY



## PRODUCT DESCRIPTION

## ORDER NUMBER

**433MHz TRANSMITTERS**

Container in shockproof plastic material.  
3V lithium battery power supply CR2032.  
Overall dimensions 34 x 72 x 11.

**1-CHANNEL TRANSMITTER****2-CHANNEL TRANSMITTER****3-CHANNEL TRANSMITTER****4-CHANNEL TRANSMITTER****2-CHANNEL PRECODED TRANSMITTER****4-CHANNEL PRECODED TRANSMITTER**


TXC449100

TXC449200

TXC449300

TXC449400

TXC4492P0

TXC4494P0

**868MHz TRANSMITTERS**

Container in shockproof plastic material.  
3V lithium battery power supply CR2032.  
Overall dimensions 34 x 72 x 11.

**1-CHANNEL TRANSMITTER****2-CHANNEL TRANSMITTER****3-CHANNEL TRANSMITTER****4-CHANNEL TRANSMITTER****2-CHANNEL PRECODED TRANSMITTER****4-CHANNEL PRECODED TRANSMITTER**


TXC486100

TXC486200

TXC486300

TXC486400

TXC4862P0

TXC4864P0

**4-CHANNEL WALL TRANSMITTER**

Container in shockproof plastic material.  
3V lithium battery power supply CR2032.  
Wall mounting.  
Available in 433MHz and 868MHz versions.  
Overall dimensions 72 x 72 x 15.

TXQ44940M

TXQ48640M

**NUMERICAL CODE KEYPAD VIA RADIO**

Container in shockproof polycarbonate IP57.  
6V lithium battery power supply 2 x CR2032 (KITSSB-T9K4-1).  
Number of code available combinations: 1.000.000.  
Communicates with all standard S449 (version 433MHz) and S486 (version 868MHz) receivers, allows you to memorise up to 250 user codes and manage up to 4 distinct functions.  
Overall dimensions 72 x 115 x 28.

**3V LITHIUM BATTERY (2 X CR2032) FOR SSB-T9K4/T8K4****WALL-MOUNTED MULTIFREQUENCY BATTERY-POWERED RADIO CONTROL TRANCIEVER****WALL MOUNTED MULTIFREQUENCY RADIO CONTROL TRANCIEVER WITH POWER SUPPLY CABLE**

SSB-T9K4

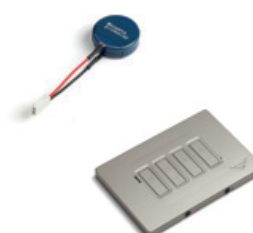
SSB-T8K4



KITSSB-T9K4-1

TXWALL500MFB

TXWALL500MFL



See section SERIES 500: MULTIFREQUENCY on page 190

# DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



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## RADIO CONTROL SYSTEMS

### RECEIVERS

The receivers are available in all the classic Cardin versions: outdoor receivers 12-24V with display, with LCD display and 3G/WiFi functions, 230V radio programmers in watertight cases with flip up access covers, mini receiver units to be installed in appliances which already have a protective casing and slot-in receiver cards for direct insertion into host appliances designed to receive them:

- outdoor receiver with a multi-decoding module S449 - S486 - S504 - S508, LCD display and 3G-WiFi functions;
- standard outdoor receivers;
- outdoor receivers with display;
- 2-channel mini receivers, slot-in receiver cards;
- 2-channel open collector receiver cards;
- outdoor radio programmers;
- multiprotocol interface.

### RECEIVERS WITH LCD DISPLAY AND 3G/WiFi FUNCTIONS

Thanks to the inbuilt 2G-3G or WiFi module, avant-garde software and a highly efficient signal reception apparatus the receiver allows the remote management (without range limits) of all installations that require remote control via radio (automatic entry systems, access control, car-parks etc.). The appliance is ideally suited to multi-user installations (up to 3000 transmitters can be memorised) and ones that require frequent upgrading and modification of the codes. The USB connection, the programming and setting buttons and the efficient display allow the appliance to be easily configured. The installation management functions are: transmitter code memorization/ cancellation and programming the function mode for each single output.

The receiver can manage up to four programmable channel modules (impulsive/ ON-OFF/timer controlled, NO/NC contact type and power on reset). The device also features a Real Time Clock which can be used to set the time bands during which the outputs are active, as well as a non volatile memory module which can store up to 100000 relay activation events which may be downloaded during a normal connection and consulted at will. The CARDINTX\_SW, software that can be downloaded from the website [www.cardin.it](http://www.cardin.it) allows the stored user codes to be managed by means of one of three possible connection methods: direct via USB cable, using the mobile communications network with a 2G/3G module or using a WF module. One or more outputs can be remotely activated over the phone or via SMS with an installed 2G/3G module or using an App.

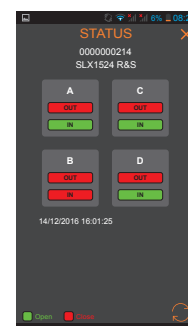
Four independent inputs are also available which can be used to monitor external appliances the status of which can be obtained from the receiver via SMS or an App. Using the Cardin software it is possible to set the receiver's 4 inputs according to the requirements of the installation. As soon as an event such as resetting the position status of the door, security devices intervening, presence/absence of power etc. is detected, the receiver will send a personalised message to the pre-registered e-mail addresses. Thanks to this system the 3G receiver becomes a very useful maintenance management tool.



3G/WiFi receiver



### APP CARDIN "CRD ONE" FOR SMARTPHONE AND TABLET





## PRODUCT DESCRIPTION

## ORDER NUMBER

**RECEIVERS WITH LCD DISPLAY AND 3G/WiFi FUNCTIONS  
(12/24Vac-dc)**

All weather box in ABS - IP55. Overall dimensions 135 x 175 x 85.  
The receiver can be fitted with up to four programmable relay modules MCCMORPHM1 (impulsive, ON-OFF or timer controlled).  
1 relay inserted.

Possibility of memorising up to 3000 codes.

USB connection and 2G-3G-WiFi module for remote user and activation of the output relays.

The RCQ433/868-3G10 receivers include a 10 year subscription with our partner Vodafone.



3G receiver



WiFi receiver

**2G-3G RECEIVERS****RCQ433-3G****2G-3G RECEIVERS + SIM VODAFONE****RCQ433-3G10****WiFi RECEIVER****RCQ433-WF****2G-3G RECEIVERS****RCQ868-3G****2G-3G RECEIVERS + SIM VODAFONE****RCQ868-3G10****WiFi RECEIVER****RCQ868-WF****3000-CODE MEMORY MODULE****MCC24LC256****5000-CODE MEMORY MODULE****MCC24LC512****3000-CODE MEMORY MODULE****ZGB24LC256-I/P**

# DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



## RADIO CONTROL SYSTEMS

### RECEIVERS

The receivers are available in all the classic Cardin versions: outdoor receivers 12-24V with display, with LCD display and 3G-WiFi functions, 230V radio programmers in watertight cases with flip up access covers, multiprotocol interface decoding in indoor boxes, mini receiver units to be installed in appliances which already have a protective casing and slot-in receiver cards for direct insertion into host appliances designed to receive them:

- outdoor receiver with LCD display and 3G-WiFi functions;
- standard outdoor receivers;
- outdoor receivers with display;
- 2-channel mini receivers, slot-in receiver cards;
- 2-channel open collector receiver cards;
- outdoor radio programmers;
- multiprotocol interface.

RQM449200



### 2-CHANNEL MINI RECEIVER

The mini receiver housed in an indoor container and is fitted with an 10-way terminal board.

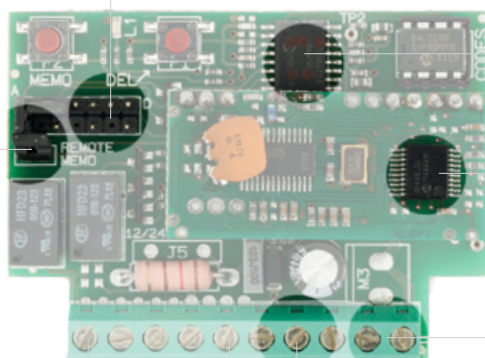
The receiver cards are fitted with two relays the outputs of which are marked CH1 (N.O. contact) and CH2 (N.O./N.C. contact). The relays CH1 and CH2 can be activated by selecting the functions A-B-C-D and made to correspond with the transmitter channels CHA-CHB-CHC-CHD by setting the jumpers situated on the circuit board.

The memorization via radio function allows extra transmitters to be added to the system without having to access the circuit board but instead by using the MEMO Radio button in a previously memorised transmitter in the vicinity of the receiver.

Channel selection jumper

Memorizing ulterior channels  
via radio

2 outputs with impulse contact



Extractable memory module 300 codes

433MHz, FM RF module

ANS400 aerial connection

Power supply 12/24Vac-dc



## PRODUCT DESCRIPTION

## ORDER NUMBER

**STANDARD OUTDOOR RECEIVER (12/24Vac-dc)**

All weather box in ABS - IP44.

The unit can be fitted with up to four interchangeable relay modules N.O. or N.C. 1 relay inserted.

Possibility of memorising up to 300 codes.

Overall dimensions 110 x 110 x 33.

RCQ449N100

RCQ486N100

**OUTDOOR RECEIVER WITH DISPLAY (12/24Vac-dc)**

All weather box in ABS - IP44.

The receiver can be fitted with up to four programmable relay modules (impulsive, ON-OFF or timer-controlled). Possibility of memorising up to 1000 codes.

Overall dimensions 110 x 110 x 33.

RCQ449ND00

RCQ486ND00

**2-CHANNEL MINI RECEIVER (12/24Vac-dc)**

Electronic circuit with a 10-way terminal block; Indoor box IP20.

Supplied with 2 impulsive relays.

Relays may be set to ON/OFF (RQM44920S only).

Possibility of memorising up to 300 codes.

Overall dimensions 95 x 75 x 25.

RQM449200

RQM486200

RQM44920S

**2-CHANNEL SLOT-IN RECEIVER CARD (24Vac-dc)**

Receiver card for direct insertion into a host appliance designed to receive it. Overall dimensions 70 x 52 x 20.

Fitted with 2 relay channels which can be set to ON/OFF or impulsive.

Possibility of memorising up to 1000 codes.

RSQ449200

RSQ486200

**2-CHANNEL RECEIVER CARD (5Vdc)**

Open collector receiver card for direct insertion into a host appliance designed to receive it. Overall dimensions 48 x 35 x 10.

Impulsive relay channels. Possibility of memorising up to 300 codes.

RSQ4490C2

RSQ4860C2

**RADIOPROGRAMMERS FOR ROLLING GRILLS (230V-630W)**

Power supply 230Vac. All weather box in ABS - IP55.

Overall dimensions 139 x 115 x 44.

Logic integrated into the receiver and output for the control of one motor. Power supply output for a pair of Cardin photoelectric cells.

Possibility of memorising up to 20 transmitters.

RPQ449

RPQ486

**RADIOPROGRAMMERS ON/OFF + TIMER (2000W)**

For specific uses such as the remote control of external (gardens) and internal lighting; the remote control of power sockets. Terminal board connections; sequential command input and a control button that can be linked to a light detection device so making sure that the lights do not switch on during the day.

Possibility of memorising up to 300 user codes.

Timer settings: from 1 min. to 23 hrs. 59 min.

RPQ449IT0

Power supply 230Vac.

All weather box in ABS - IP55.

Overall dimensions 139 x 115 x 44.

**QUARTZ RECEIVER MODULE (433MHz - 868MHz)**

Superheterodyne in FM with a digital filter.

RF module without decoder for the reception of digital signals.

Voltage: 5Vdc - Electrical input: 15mA

Overall dimensions 40 x 20 x 13.

JRF433QFMDG0

JRF868QFMDG0





## PRODUCT DESCRIPTION

## ORDER NUMBER

**RADIOPROGRAMMERS FOR ROLLING SHUTTERS AND AWNINGS (400 W)**

The radio programmer allows the remote control of one single phase motor and finds its best use in the command of automatic rolling shutters and awnings. The appliance is designed for the connection of an anemometer (see chapter COMMAND AND SAFETY DEVICES).

**RADIOPROGRAMMERS FOR SUN BLINDS AND AWNINGS (450W)**

The radio programmer allows the remote control of one single phase motor and finds its best use in the command of automatic sun blinds and awnings. The appliance is designed for the connection of an anemometer (see chapter COMMAND AND SAFETY DEVICES).

**MULTIPROTOCOL INTERFACE**

The interface is able to decode a radio frequency signal coming from a TXQ449-486 transmitter or via cable from a DKS1000T and output a Wiegand/ISO-3554 and RS232 digital signal, containing the transmitter code, in 13 different formats.

The interface also has an enable contact which can be wired to a timer or a normal switch allowing you to activate or deactivate the interface in different time bands.

The RS232 serial interface allows you to connect the device to a personal computer using software supplied with the kit.

**HAND-HELD PDA PROGRAMMER**

User code programming system that can be interfaced with a personal computer.

It allows you to manage transmitter codes in the receivers memory without having to activate the transmitters one by one. The transmitters pre-coded in blocks can be memorised rapidly in multi-user systems which require the use of many transmitters. You can manage the replacement of a transmitter lost by the user using remote programming.

Complete with interface cables and external power unit.

**RESERVED CODE PROGRAMMING KEY**

KEY449, when connected to the PC management software, expands the work capacity of the palm system by remotely adding one or more transmitters to the system.

**10 2-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****10 4-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****10 TRANSPONDER CLIPS (LIGHT GREY)****10 TRANSPONDER CLIPS (DARK GREY)****RP449RNA0**

Indoor box IP43.  
Power supply 230Vac.  
Overall dimensions 120 x 85 x 20.

**RP449BNA0**

(special for square tube rollers 40 x 40 mm)  
Indoor box IP20.  
Power supply 230Vac.  
Overall dimensions 280 x 32 x 32

**RCQ449W00****RCQ486W00**

Power supply 12/24Vac-dc.  
Electrical input 20mA.  
Overall dimensions 148 x 118 x 40.  
All weather box ABS - IP55.  
Carrier frequency 433,92MHz - 868,3MHz.

**PGM449****PGM486**

Carrier frequency 433,92 - 868,3MHz.  
Internal power supply (battery) 9Vdc.  
External power supply 12Vac-dc.  
Display backlighting 16 characters x 4 lines.  
A maximum of 2000 reserved KEY449 codes.

**KEY449****COVERMIX200****COVERMIX400****COVERTP-LG****COVERTP-DG**



## PRODUCT DESCRIPTION

## ORDER NUMBER

**STRIP WITH 1 IMPULSIVE RELAY (N.O. CONTACT)**

The relay remains active while the channel button is kept pressed down.

**STRIP WITH 1 IMPULSIVE RELAY (N.C. CONTACT)**

The relay remains active while the channel button is kept pressed down.

**CODE MEMORY MODULES**

Extractable and furnished with non volatile memory, this EEPROM contains the system code.

**300-CODE MEMORY MODULE (S449 - S486)****1000-CODE MEMORY MODULE (S449D - S486D)****SLOT-IN RECEIVER ADAPTOR**

Allows you to use the AMP 10-way receiver card connector as a standard terminal block.

**AERIAL FOR 433MHz RECEIVERS****AERIAL FOR 868MHz RECEIVERS****COAXIAL CABLE RG58 (per metre)****KIT AERIAL EXTENSION 2G - 3G WiFi 10m SMA-M****KIT AERIAL EXTENSION 2G - 3G WiFi 5m SMA-M****LITHIUM BATTERY 3V (2 X CR2032)****MCC4491R1****MCC4491RC1****ZGB24LC16-I/P****ZGB24LC64-I/P****RSQSPP****ANS400****ANQ800-1****ZVCRG58****ANSKITGSMWF10****ANSKITGSMWF5****XRP03**

# DIGITAL RADIO CONTROL TRANSCEIVER WITH ROLLING CODES



WITH SIGNAL RECEPTION CONFIRMATION



## RADIO CONTROL SYSTEMS

433MHz FM ROLLING CODE  
2<sup>128</sup> CODE COMBINATIONS  
RECHARGEABLE Li-Poly BATTERY  
AERIAL ANS400

AVAILABLE CHANNELS 1-4  
RANGE 100 - 200m  
MOBILE TRANSCEIVER WITH AERIAL 700m

The system maintains the radio-electric characteristics of the latest generation of Cardin Elettronica appliances whilst sharpening the reception capacity and increasing the number of possible uses thanks to the implementation of the "Transceiver" bidirectional signal exchange. These and other characteristics make "Morpheus Cardin" an excellent system that distinguishes itself in the specialist sector of radio control devices. The fruit of Cardin Elettronica's experience, and realised following a philosophy of work that sees us continuously occupied in the creation of coherent projects that are aimed at the creation of professional products.

The Morpheus system allows the remote activation of electrical and electronic appliances and sends a reception confirmation signal back to the transceiver. The radio control system consists of one or more mobile transceivers and one or more stationary transceivers, which can be combined to meet the specific needs of the system. The codes in the mobile units are transferred during the memorization stage in to the non-volatile memory of the fixed unit; a maximum of 1000 different codes may be memorized.

The Morpheus system is best used for the activation and deactivation of security systems, the command of automatic opening systems and in all systems which require:

- remote control activation (without wires) using secret codes;
- confirmation control of the sent command signal without direct visual contact with the system.

During operation each successful activation will receive a confirmation signal sent from the receiver to the transmitter allowing you to control an operation from a remote location.

The first time the appliance is used it should be completely charged until the green LED lights up.



MORPH433T4A



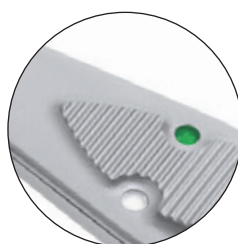
OPERATION INDICATOR



BATTERY CHARGER CONNECTION



AERIAL RANGE 700m



BATTERY CHARGE STATUS LED



BATTERY CHARGER VIA USB



## PRODUCT DESCRIPTION

## ORDER NUMBER

**MOBILE TRANSCEIVER**

Container in shockproof plastic material.  
3,7V power supply with Li-Poly rechargeable battery.  
Overall dimensions 34 x 72 x 11.

**1-CHANNEL MOBILE TRANSCEIVER****MORPH433T1****2-CHANNEL MOBILE TRANSCEIVER****MORPH433T2****3-CHANNEL MOBILE TRANSCEIVER****MORPH433T3****4-CHANNEL MOBILE TRANSCEIVER****MORPH433T4****4-CHANNEL MOBILE TRANSCEIVER WITH AERIAL****MORPH433T4A****BATTERY CHARGER KEY**

The battery can be recharged by connecting the transmitter to a suitable power pack by means of the battery charger key or to a PC via USB.

The key also allows the different functions available in the mobile units to be managed via PC through the use of the software MORPHKEYSW, which can be downloaded free of charge from the website [www.cardin.it](http://www.cardin.it).

**MORPHKEY****KIT BATTERY CHARGER**

The charger kit consists of:

- battery charger key MORPHKEY;
- mains transformer;
- USB cable.

**MORPHKEYCB****KEYPAD COVERS****10 2-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****COVERMIX200****10 4-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS****COVERMIX400**

# DIGITAL RADIO CONTROL TRANSCEIVER WITH ROLLING CODES



WITH SIGNAL RECEPTION CONFIRMATION



## RADIO CONTROL SYSTEMS

### STATIONARY TRANSCEIVER

The stationary transceivers are available in all the classic Cardin versions: outdoor stationary transceivers in watertight cases with a flip up access cover, stationary interface transceiver with multiprotocol decoding in indoor boxes, mini transceiver units to be installed in appliances which already have a protective casing and slot-in transceiver cards for direct insertion into host appliances designed to receive them.

- Outdoor stationary transceiver,
- Slot-in stationary transceiver card,
- Mini stationary transceiver,
- Stationary transceiver with multiprotocol interface;
- Radio frequency module for stationary transceivers

### OUTDOOR STATIONARY TRANSCEIVER MORPH433NRC

The outdoor (ABS IP55) stationary transceiver is fitted with a 15-way terminal board and has a 12/24Vac-dc electrical connection between binding posts 1-2 and it is possible to connect two aerials between binding posts in order to improve the signal and consequently the range.

The outdoor receiver is fitted using "fast-fitting" brackets. After connecting the wiring the case should be slid onto the bracket therefore fixing it to the wall. If any repair work is necessary the case can be easily extracted by pushing upwards the action of which will separate it from the bracket.

The unit can be fitted with up to 4 interchangeable relays strips - MCCMORPHM1

The modules are set via dip-switches (Dip1=CHA - Dip2=CHB - Dip3=CHC - Dip4=CHD) to the following:

- Impulsive channel modules = corresponding dip-switch set to 'OFF'
- ON/OFF channel modules = corresponding dip-switch set to 'ON'

In the impulsive modules the activation time can be set by means of a trimmer from 200ms to 3 s.

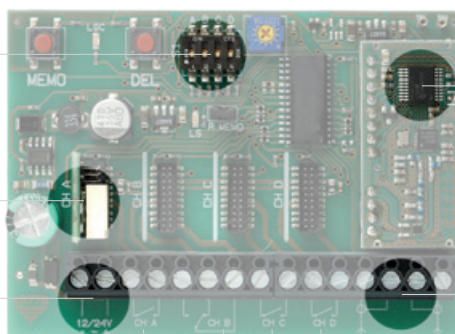


MORPH433NRC

Impulsive/ON-OFF selection

Relay module

Power supply 12/24Vac-dc



433MHz, FM RF module

Connection for two aerials ANS400

4 outputs with impulsive/ON-OFF selection



## PRODUCT DESCRIPTION

## ORDER NUMBER

**OUTDOOR STATIONARY TRANSCEIVER (12/24Vac-dc)**

All weather box in ABS - IP44.

4-channel transceiver with ON/OFF-impulsive relay settings.

**OUTDOOR STATIONARY TRANSCEIVER WITH SIGNAL INPUTS (12/24Vac-dc)**

All weather box in ABS - IP44.

The unit is fitted with 4 soldered relays with ON/OFF-impulsive settings. For every output there is a corresponding input through which it is possible to read the (ON/OFF) status of the device connected to the respective outputs.

**2-CHANNEL MINI STATIONARY TRANSCEIVER (12/24Vac-dc)**

Electronic circuit with a 10-way terminal block; Indoor box IP20.

ON/OFF-impulsive relay settings.

**SLOT-IN STATIONARY TRANSCEIVER CARD (24Vac-dc)**

Transceiver card for direct insertion into a host appliance designed to receive it.

ON/OFF-impulsive relay settings.

**RF MODULE FOR STATIONARY TRANSCEIVERS 433MHz**

Superheterodyne in FM with a digital filter.

RF module without decoder suitable for receiving and transmitting digital signals.

**MULTIPROTOCOL INTERFACE**

The interface is able to decode a radio frequency signal coming from a Morpheus transceiver and output a Wiegand/ISO-3554 digital signal, containing the transmitter code, in 13 different formats. It is fitted with a USB for connection to a PC and an input that can be connected to a timer or a switch with the aim of enabling or disabling the interface over different time periods. Rolling Code management with transmitter memorization on the interface.

**STRIP MORPHEUS WITH 1 PROGRAMMABLE RELAY**

The relay can be set on the receiver to one of the functions.

**1000-CODE MEMORY MODULE**

Extractable and furnished with non volatile memory, this EEPROM contains the system code.

**SLOT-IN RECEIVER ADAPTOR**

Allows you to use the AMP 10-way receiver card connector as a standard terminal block.

**AERIAL FOR 433MHz RECEIVERS****COAXIAL CABLE RG58 (per metre)****MORPH433NRC**

1 relay inserted.

Possibility of memorising up to 1000 codes.

Overall dimensions 110 x 110 x 33.

**MORPH433AL**

Possibility of memorising up to 1000 codes.

Overall dimensions 110 x 110 x 33.

**MORPH433RM**

Possibility of memorising up to 1000 codes.

Overall dimensions 95 x 75 x 25.

**MORPH433RS**

Possibility of memorising up to 1000 codes.

Overall dimensions 70 x 52 x 20.

**JRFMORPH43300**

Voltage: 3Vdc - Electrical input: 15mA.

Overall dimensions 40 x 20 x 13.

**MORPH433W00**

Carrier frequency 433,92MHz.

Power supply 12/24Vac-dc.

Electrical input 20mA.

Overall dimensions 120 x 85 x 20mm.

**MCCMORPHM1****ZGB24LC64-I/P****RSQSPP****ANS400****ZVCRG58**

# INDUSTRIAL ROLLING CODE TRANSMITTERS/TRANSCEIVERS



## RADIO CONTROL SYSTEMS

### TXQPROMRF

433MHz FM ROLLING CODE  
2128 CODE COMBINATIONS  
SIGNAL RECEPTION CONFIRMATION

### TXQPRO449 - TXQPRO486

433MHz - 868MHz FM ROLLING CODE  
 $2^{66}$  CODE COMBINATIONS

### TXQPRO504 - TXQPRO508

433MHz - 868MHz FM ROLLING CODE  
 $2^{128}$  CODE COMBINATIONS

AVAILABLE CHANNELS 4

RANGE 200m (700m with an external aerial)

PROTECTION GRADE IP65

High powered radio controls suited for the industrial sector ideal for the command of generic systems which require remote control.

High technology appliances protected by robust and practical containers with an elevated degree of protection against inclement weather.

The "key" to the system is made up of palm device commands made of anti-shock and anti-scratch materials that are easy to handle and easier to use.

The system of activation using large size buttons guarantees makes them ergonomic and extremely easy to use with or without working gloves.

Available in the standard (version without an external aerial) and the long range version with an external screw-on aerial.

The Cardin 6V batteries supplied with the device are high capacity components which guarantee long life and extended performance.

The TXQPROMRF transceivers are compatible with all the appliances in the MORPHEUS series.

The TXQPRO449 - TXQPRO486 transmitters are compatible with all the appliances in the S449 - S486 series.

The TXQPRO504 - TXQPRO508 transmitters/transceivers are compatible with all the appliances in the S504 - S508 series.

TXQPROMRF-4A



RED INDICATOR LED



ERGONOMIC BUTTONS



EXTERNAL SCREW-IN AERIAL



WATERPROOF CONTAINER IP65



6V LONG LIFE BATTERIES



## PRODUCT DESCRIPTION

## ORDER NUMBER

**INDUSTRIAL TRANSCEIVER MORPHEUS, FM ROLLING CODE**

Container in shockproof, water-proof material IP65.  
Power supply 6V with lithium batteries 2 x CR123A.  
Overall dimensions 50 x 145 x 26.

**4-CHANNEL TRANSCEIVER (INTERNAL AERIAL)**

**4-CHANNEL TRANSCEIVER (EXTERNAL AERIAL)**

**INDUSTRIAL TRANSMITTER S449, FM ROLLING CODE**

Container in shockproof, water-proof material IP65.  
Power supply 6V with lithium batteries 2 x CR123A.  
Overall dimensions 50 x 145 x 26.

**4-CHANNEL TRANSMITTER (INTERNAL AERIAL)**

**4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)**

**INDUSTRIAL TRANSMITTER S486, FM ROLLING CODE**

Container in shockproof, water-proof material IP65.  
Power supply 6V with lithium batteries 2 x CR123A.  
Overall dimensions 50 x 145 x 26.

**4-CHANNEL TRANSMITTER (INTERNAL AERIAL)**

**4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)**

**INDUSTRIAL TRANSMITTER S504, FM ROLLING CODE**

Container in shockproof, water-proof material IP65.  
Power supply 6V with lithium batteries 2 x CR123A.  
Overall dimensions 50 x 145 x 26.

**4-CHANNEL TRANSMITTER (INTERNAL AERIAL)**

**4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)**

**4-CHANNEL TRANSCEIVER (INTERNAL AERIAL)**

**4-CHANNEL TRANSCEIVER (EXTERNAL AERIAL)**

**INDUSTRIAL TRANSMITTER S508, FM ROLLING CODE**

Container in shockproof, water-proof material IP65.  
Power supply 6V with lithium batteries 2 x CR123A.  
Overall dimensions 50 x 145 x 26.

**4-CHANNEL TRANSMITTER (INTERNAL AERIAL)**

**4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)**

**4-CHANNEL TRANSCEIVER (INTERNAL AERIAL)**

**4-CHANNEL TRANSCEIVER (EXTERNAL AERIAL)**

**6V-LITHIUM BATTERY PACK**

**TXQPROMRF-4**

**TXQPROMRF-4A**



**TXQPR0449-4**

**TXQPR0449-4A**



**TXQPR0486-4**

**TXQPR0486-4A**



**TXQPR0504-4**

**TXQPR0504-4A**

**TXQPR0504BD-4**

**TXQPR0504BD-4A**



**TXQPR0508-4**

**TXQPR0508-4A**

**TXQPR0508BD-4**

**TXQPR0508BD-4A**



**ZRL7.2-1.6**

# DIGITAL RADIO CONTROLS WITH FIXED / ROLLING CODES



product  
design  
award  
2011



## RADIO CONTROL SYSTEMS

### EDGE

433MHz AM FIXED CODES  
2<sup>20</sup> CODE COMBINATIONS  
AVAILABLE CHANNELS 2-4  
RANGE 100-150

The EDGE 433MHz AM transmitter series is the perfect choice for anyone who wants a fixed code transmitter. Combining the simplicity of fixed code with a powerful radio range, EDGE series radio controls feature a sleek, minimalist design that ensures maximum ergonomic comfort.

The range of radio controls is complete by receivers with self-learning code, extractable memory modules and programmable outputs.



### TRANSMITTERS EDGE

2 and 4-channel transmitters with long life lithium batteries and remote self-learning functions. Bi-injection moulded black case, with the upper part in shockproof rubber creating a solid and manageable radio control. Rubber keyring.

#### 2-CHANNEL TRANSMITTER EDGE

#### 4-CHANNEL TRANSMITTER EDGE

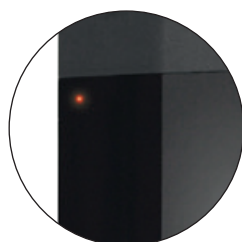
EDGE2

EDGE4



#### TRANSMITTER HOLDER (EDGE)

PTE



RED INDICATOR LED



LITHIUM BATTERY



ERGONOMIC BUTTONS



RUBBER KEY RING



## PRODUCT DESCRIPTION

## ORDER NUMBER

**2-CHANNEL RECEIVER CARD (5Vdc)**

Open collector receiver card for direct insertion into a host appliance designed to receive it.

Overall dimensions 48 x 35 x 10.

**EDGE0C2****2-CHANNEL MINI RECEIVER (12/24Vac-dc)**

Electronic circuit wired to an 8-way terminal board, 2 potential free relays, indoor box IP20. Self-learning code function and programmable outputs in three different modes.

Overall dimensions 80 x 50 x 20.

**EDGERB2****OUTDOOR RECEIVER (12/24Vac-dc)**

12/24Vac-dc receiver with four powered outputs (4 A).

Self-learning code function and programmable outputs in three different modes and outdoor box IP44.

**EDGER4P****OUTDOOR RECEIVER (230V)**

Receiver with four soldered relays, powered outputs (max. 5A 230V), which can be set to impulsive, ON/OFF or timer control (after you release the transmission button the output will remain active for 30 seconds). Self-learning with the possibility of memorising up to 1012 user codes.

**EDGE230R4**

All weather box IP55.

Overall dimensions 158 x 118 x 77.

**RADIOPROGRAMMER FOR SUN BLINDS AND AWNINGS (230V-500W)**

The radio programmer with an inbuilt receiver and transformer for one single phase motor finds its best use in the command of automatic sun blinds and awnings. The appliance may also be used to activate lighting systems with two bulbs (230V max. 500W) or light rolling grills and shutters. Inputs for one opening and one closing command via cable.

**T10EDGE**

Indoor box IP20.

Overall dimensions 106 x 36 x 21.

**675-CODE MEMORY MODULE (EDGE)****MEM16****AERIAL FOR 433MHz RECEIVERS (EDGE)****ANS400****COAXIAL CABLE RG58 (per metre)****ZVCRG58****LITHIUM BATTERY 3V (2 X CR2032)****XRP03**