

RADIO CONTROL SYSTEMS




cardin[®]
RIELLO ELETTRONICA GROUP

DIGITAL RADIO CONTROL TRANSCEIVER WITH ROLLING CODES



WITH SIGNAL RECEPTION CONFIRMATION



RADIO CONTROL SYSTEMS

433MHz FM ROLLING CODE
 2^{128} CODE COMBINATIONS
RECHARGEABLE Li-Poly BATTERY
AERIAL ANS400

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

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



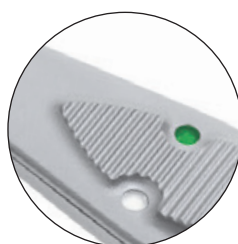
OPERATION INDICATOR



BATTERY CHARGER CONNECTION



AERIAL RANGE 700 m



BATTERY CHARGE STATUS LED



BATTERY CHARGER VIA USB



PRODUCT DESCRIPTION

ORDER NUMBER

MOBILE TRANSCIVER

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



1-CHANNEL MOBILE TRANSCIVER

MORPH433T1

2-CHANNEL MOBILE TRANSCIVER

MORPH433T2

3-CHANNEL MOBILE TRANSCIVER

MORPH433T3

4-CHANNEL MOBILE TRANSCIVER

MORPH433T4

4-CHANNEL MOBILE TRANSCIVER 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 [web 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 MORPH433RC

The outdoor (ABS IP55) stationary transceiver is fitted with a 15-way terminal board and has a 12/24V ac-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 - MCCMORPHM0

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 200 ms to 3 s.

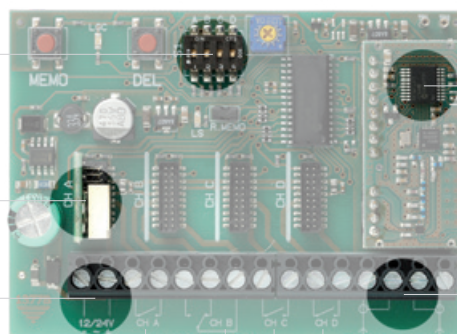


MORPH433RC

Impulsive/ON-OFF selection

Relay module

Power supply 12/24 Vac/dc



433MHz, FM RF module

Connection for two aerials ANS400

4 outputs with impulsive/ON-OFF selection



PRODUCT DESCRIPTION

ORDER NUMBER

OUTDOOR STATIONARY TRANSCEIVER (12/24 Vac-dc)

All weather box in ABS - IP44.

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

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

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

ON/OFF-impulsive relay settings.

SLOT-IN STATIONARY TRANSCEIVER CARD (24 Vac-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)

MORPH433RC

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: 3 Vdc - Electrical input: 15 mA.

Overall dimensions 40 x 20 x 13.



MORPH433W00

Carrier frequency

433,92 MHz.

Power supply

2/24 Vac-dc.

Electrical input

20 mA.

Overall dimensions

120 x 85 x 20mm.



MCCMORPHM0



ZGB24LC64-I/P



RSQSPP



ANS400

ZVCRG58



DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



RADIO CONTROL SYSTEMS

433MHz - 868MHz FM ROLLING CODE

2¹²⁸ CODE COMBINATIONS

REMOTE TRANSMITTER MEMORISATION

RFID: WIRELESS MEMORY

AERIAL ANS400 - ANQ800-1

AVAILABLE 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 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.

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.

TXQ504C4



TXQ508C4



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

TRANSMITTERS

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

2-CHANNEL PRECODED TRANSMITTER

4-CHANNEL PRECODED TRANSMITTER



TXQ504C2

TXQ504C4



2-CHANNEL PRECODED TRANSMITTER

4-CHANNEL PRECODED TRANSMITTER



TXQ508C2

TXQ508C4



5 2-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS

COVERMIX5002

5 4-CHANNEL KEYPAD COVERS WITH 5 DIFFERENT COLOURS

COVERMIX5004



TRANSMITTER WALL / CAR SUPPORT DARK GREY

XACSUPTX500



TRANSMITTER WALL / CAR SUPPORT LIGHT GREY

XACSUPTX500GC



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



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.

SSB-504

SSB-508



3V LITHIUM BATTERY PACK (SSB-504 / SSB-508)

ZRA3.0-3.8-W



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 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 CARDINTX_SW, software that can be downloaded from the website 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.

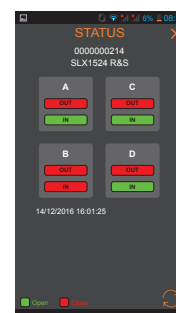
Four independent inputs are also available which can be used to monitor external appliances the status of which can be obtained from the receiver via SMS or an App. Using the Cardin software it is possible to set the receiver's 4 inputs according to the requirements of the installation. As soon as a defect has been detected (resetting the position status of the door, security devices, presence/absence of power etc.), 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 (12/24 Vac-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 MCCMORPHMO (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 RCQ504/508-3G10 receivers include a 10 year subscription with our partner Vodafone.



3G receiver



WiFi receiver

2G-3G RECEIVERS

2G-3G RECEIVERS + SIM VODAFONE

2G-3G WiFi



RCQ504-3G

RCQ504-3G10

RCQ504-WF



2G-3G RECEIVERS

2G-3G RECEIVERS + SIM VODAFONE

2G-3G WiFi



RCQ508-3G

RCQ508-3G10

RCQ508-WF





PRODUCT DESCRIPTION

ORDER NUMBER

STANDARD OUTDOOR RECEIVER (12/24 Vac-dc)

All weather box in ABS - IP55.

Overall dimensions 148 x 118 x 40.

The unit can be fitted with up to four interchangeable relay modules MCCMORPHMO, which can be set to ON/OFF or impulsive. 1 relay inserted. Possibility of memorising up to 1000 codes.

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

All weather box in ABS - IP55.

Overall dimensions 148 x 118 x 40

The unit can be fitted with up to four interchangeable relay modules MCCMORPHMO, which can be impulsive, ON-OFF or timer controlled. 1 relay inserted. Possibility of memorising up to 1000 codes.

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

Indoor box IP20.

Overall dimensions 95 x 75 x 25.

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 (24 Vac-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.

2-CHANNEL RECEIVER CARD (5 Vdc)

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

Impulsive channels. Possibility of memorising up to 1000 codes.

RADIOPROGRAMMERS FOR ROLLING GRILLS (230V-630W)

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 1000 transmitters.

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 1000 user codes.

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

QUARTZ RECEIVER MODULE (433MHz - 868MHz)

Superheterodyne in FM with a digital filter.

RF module without decoder for the reception of digital signals.

Voltage: 5 Vdc - Electrical input: 15 mA

Overall dimensions 40 x 20 x 13.

RCQ504C1

RCQ508C1



RCQ504D1

RCQ508D1



RQM504C2

RQM508C2



RSQ504C2

RSQ508C2



RSQ5040C2

RSQ5080C2



RPQ504

RPQ508



RPQ504IT0

RPQ508IT0

All weather box in ABS - IP55.

Overall dimensions

139 x 115 x 44.



JRF433QFMDG1

JRF868QFMDG1





PRODUCT DESCRIPTION

ORDER NUMBER

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).

MULTIPROTOCOL INTERFACE

The interface is able to decode a radio frequency signal coming from a S504-S508 transmitter or via cable from a DKS250T, DKSTPT, 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.

STRIP WITH 1 PROGRAMMABLE RELAY (S504 - S508)

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

CODE MEMORY MODULES

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

1000-CODE MEMORY MODULE (RECEIVERS S504D1-S508D1) VERTICAL

1000-CODE MEMORY MODULE (S504 - S508)

3000-CODE MEMORY MODULE FOR 2G-3G-WIFI RECEIVER

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)

RPQ504RNA0

RPQ508RNA0

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



RCQ504W00

RCQ508W00

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



MCCMORPHMO



MCC24LC64

ZGB24LC64-I/P

ZGB24LC256-I/P



RSQSPP



ANS400

ANQ800-1

ZVCRG58



ANSKITGSMWF10

ANSKITGSMWF5



XRP03

DIGITAL QUARTZ RADIO CONTROLS WITH ROLLING CODES



RADIO CONTROL SYSTEMS

433MHz - 868MHz FM ROLLING CODE

2⁶⁶ 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.

TXQ449400



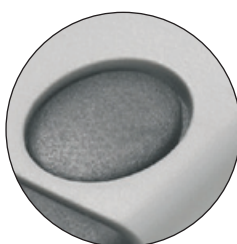
TXQ486400



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



	TXQ449100
	TXQ449200
	TXQ449300
	TXQ449400
	TXQ4492P0
	TXQ4494P0

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



	TXQ486100
	TXQ486200
	TXQ486300
	TXQ486400
	TXQ4862P0
	TXQ4864P0

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.
6 V 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.

	SSB-T9K4
	SSB-T8K4



3V LITHIUM BATTERY (2 X CR2032) FOR SSB-T9K4/T8K4

	KITSSB-T9K4-1
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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 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 CARDINTX_SW, software that can be downloaded from the website 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 WiFi 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 a defect has been detected (resetting the position status of the door, security devices, presence/absence of power etc.), 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 (12/24 Vac-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 MCCMORPHMO (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 RCQ449/486-3G10 receivers include a 10 year subscription with our partner Vodafone.



3G receiver



WiFi receiver

2G-3G RECEIVERS

2G-3G RECEIVERS + SIM VODAFONE

2G-3G WiFi



RCQ449-3G

RCQ449-3G10

RCQ449-WF



2G-3G RECEIVERS

2G-3G RECEIVERS + SIM VODAFONE

2G-3G WiFi



RCQ486-3G

RCQ486-3G10

RCQ486-WF



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.

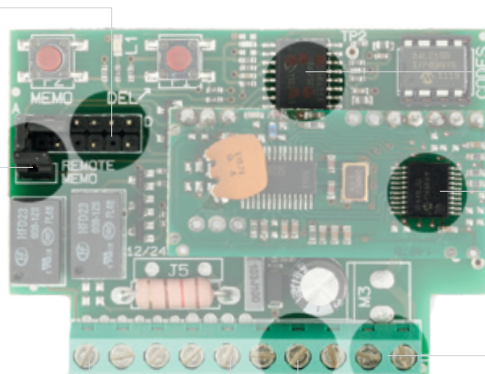
The receiver cards are fitted with two relays the outputs of which are marked CH1 (N.O. contact) and CH2 (N.O./N.C. contact). The relays CH1 and CH2 can be activated by selecting the functions A-B-C-D and made to correspond with the transmitter channels CHA-CHB-CHC-CHD by setting the jumpers situated 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 12/24 Vac/dc



PRODUCT DESCRIPTION

ORDER NUMBER

STANDARD OUTDOOR RECEIVER (12/24 Vac-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.

RCQ449100

RCQ486100



OUTDOOR RECEIVER WITH DISPLAY (12/24 Vac-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.

RCQ449D00

RCQ486D00



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

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

Supplied with 2 impulsive relays.

Possibility of memorising up to 300 codes.

Overall dimensions 95 x 75 x 25.

RQM449200

RQM486200



2-CHANNEL SLOT-IN RECEIVER CARD (24 Vac-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 (5 Vdc)

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: 5 Vdc - Electrical input: 15 mA

Overall dimensions 40 x 20 x 13.

JRF433QFMDG0

JRF868QFMDG0





PRODUCT DESCRIPTION

ORDER NUMBER

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).

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 DKS250T 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 12/24 Vac-dc.
Electrical input 20 mA.
Overall dimensions 148 x 118 x 40.
All weather box ABS - IP55.
Carrier frequency 433,92 MHz - 868,3 MHz.



PGM449

PGM486

Carrier frequency 433,92 - 868,3 MHz.
Internal power supply (battery) 9 Vdc.
External power supply 12 Vac-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)

3000-CODE MEMORY MODULE FOR 2G-3G-WIFI RECEIVER

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)

MCC4491R0

MCC4491RC



ZGB24LC16-I/P

ZGB24LC64-I/P

ZGB24LC256-I/P



RSQSPP



ANS400

ANQ800-1

ZVCRG58



ANSKITGSMWF10

ANSKITGSMWF5



XRP03



INDUSTRIAL "ROLLING CODE" TRANSMITTERS/TRANSCEIVERS



RADIO CONTROL SYSTEMS

TXQPROMRF

433MHz FM ROLLING CODE
 2^{128} CODE COMBINATIONS

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 200 (700 m 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 mobile 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 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

MOBILE INDUSTRIAL TRANSCEIVER MORPHEUS, "FM" "ROLLING CODE"

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

4-CHANNEL MOBILE TRANSCEIVER (INTERNAL AERIAL)

4-CHANNEL MOBILE TRANSCEIVER (EXTERNAL AERIAL)



TXQPROMRF-4

TXQPROMRF-4A



INDUSTRIAL TRANSMITTER S449, "FM" "ROLLING CODE"

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

4-CHANNEL TRANSMITTER (INTERNAL AERIAL)

4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)



TXQPR0449-4

TXQPR0449-4A



INDUSTRIAL TRANSMITTER S486, "FM" "ROLLING CODE"

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

4-CHANNEL TRANSMITTER (INTERNAL AERIAL)

4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)



TXQPR0486-4

TXQPR0486-4A



INDUSTRIAL TRANSMITTER S504, "FM" "ROLLING CODE"

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

4-CHANNEL TRANSMITTER (INTERNAL AERIAL)

4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)



TXQPR0504-4

TXQPR0504-4A



INDUSTRIAL TRANSMITTER S508, "FM" "ROLLING CODE"

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

4-CHANNEL TRANSMITTER (INTERNAL AERIAL)

4-CHANNEL TRANSMITTER (EXTERNAL AERIAL)



TXQPR0508-4

TXQPR0508-4A



6V-LITHIUM BATTERY PACK

ZRL7.2-1.6



DIGITAL RADIO CONTROLS WITH FIXED / ROLLING CODES



RADIO CONTROL SYSTEMS

FM

433MHz FM ROLLING CODE
 2^{66} CODE COMBINATIONS

NOIRE

433MHz "AM" "FIXED / ROLLING CODES"
 2^{72} CODE COMBINATIONS

EDGE

433MHz "AM" "FIXED CODES"
 2^{20} CODE COMBINATIONS

AVAILABLE CHANNELS 2-4-5-21
RANGE 100-150

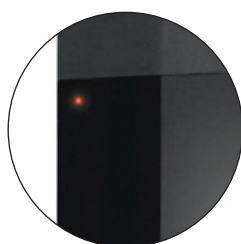
Specifically designed to satisfy all the needs of the market, the TRADE radio control systems are available in three series:

FM400 433MHz "FM" "Rolling Code" with transmitters that can be personalised in family group codes using the PRG FM programmer;

NOIRE 433MHz "AM" "Fixed / Rolling Code" with transmitters that can be personalised in family group codes using the PRG FM programmer;

EDGE 433MHz "AM" "Fixed Code".

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



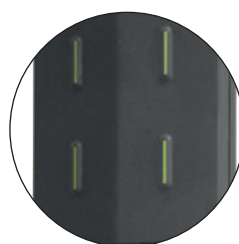
RED INDICATOR LED



WHITE LED DISPLAY



RUBBER KEY PADS



ERGONOMIC BUTTONS



RUBBER KEY RING



PRODUCT DESCRIPTION

ORDER NUMBER

TRANSMITTERS (FM - NOIRE - 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 shock-proof rubber creating a solid and manageable radio control. Rubber keyring.



2-CHANNEL TRANSMITTER FM 400

FM402E

4-CHANNEL TRANSMITTER FM 400

FM404E

2-CHANNEL TRANSMITTER NOIRE

NOIRE2E

4-CHANNEL TRANSMITTER NOIRE

NOIRE4E

2-CHANNEL TRANSMITTER EDGE

EDGE2

4-CHANNEL TRANSMITTER EDGE

EDGE4

TRANSMITTER HOLDER (FM400 - NOIRE - EDGE)

PTE



TRANSMITTERS TAXI (FM - NOIRE - EDGE)

5-channel transmitter with dedicated software for use in the car. Once a button on the radio control has been pressed the transmission will repeat cyclically freeing up the drivers hands and allowing him to drive safely. An easy to use adhesive fastening system is supplied in order to have the transmitter always within reach.

FM400TAXI

NOIRETAXI

EDGETAXI



TRANSMITTERS (FM - NOIRE - EDGE)

Multi-channel transmitters for the rapid and intuitive control of 21 functions. Innovative and elegant cases with white LED display indicating the chosen channels. A rubber keypad is situated centrally with three function buttons and two channel scrolling buttons. Range 200 m.

FM420

NOIRE20

EDGE20



WALL-MOUNTED TRANSMITTER

Wall-mounting transmitter with three function keys 3 and an indicator LED. Ideal for use together with T10 EDGE for the remote control of rolling shutters, grills and 230V ambient lighting.

WIN3





PRODUCT DESCRIPTION

ORDER NUMBER

DIGITAL SELECTOR SWITCH

4 channel, battery powered wireless selector switch, compatible with series FM400 receivers.

4 channel, battery powered wireless selector switch, compatible with series EDGE and NOIRE receivers.

PROTECTIVE SUPPORT

Protective support in cast aluminium for the PASSO selector switch. Lots of 2 pcs.

FASTENING BASE

Wall fastening base for the PASSO selector switch. Cover when installing over pre-existing holes. Lots of 2 pcs.

2-CHANNEL RECEIVER CARD (5 Vdc)

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

2-CHANNEL MINI RECEIVER (12/24 Vac-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.

OUTDOOR RECEIVER (12/24 Vac-dc)

12/24 Vac/dc receiver with four powered outputs (4 A). Self-learning code function and programmable outputs in three different modes. and outdoor box IP44.

PASSOFM400

PASSOR

BLINDO

COP

FM400C2

NOIREOC2

EDGEOC2

FM400RB2

NOIRERB2

EDGERB2

FM400R4P

NOIRER4P

EDGER4P



Dimensions 46 x 133 x 37



Dimensions 110 x 150 x 14





PRODUCT DESCRIPTION

ORDER NUMBER

OUTDOOR RECEIVER (230Vac)

Receiver with four powered outputs (max. 5 A 230V). Self-learning code function and programmable outputs in three different modes and outdoor watertight box IP55.

FM400230R4

NOIRE230R4

EDGE230R4



RADIOPROGRAMMERS FOR ROLLING GRILLS (230Vac)

Control unit for rolling grills and shutters with an in-built receiver. Idea for tube motors, rolling shutter motors or lighting systems with two 230V bulbs. Inputs for controls cable.

T10FM400

T10NOIRE

T10EDGE



1012-CODE MEMORY MODULE (FM 400)

675-CODE MEMORY MODULE (NOIRE - EDGE)

MEM64

MEM16



ELECTRONIC PROGRAMMER FOR FM 400

Programmer for managing single or blocks of codes complete with power supply.

Supplied with archive management software (SOFTFM400).

Allows installation management functions such as memorizing and cancelling transmitters in the receiver memory modules.

PRGFM400



ELECTRONIC PROGRAMMER FOR NOIRE

Programmer for managing single or blocks of codes complete with power supply.

Supplied with archive management software (SOFTNOIRE).

Allows installation management functions such as memorizing and cancelling transmitters in the receiver memory modules.

PRGNOIRE



AERIAL FOR 433MHz RECEIVERS (FM - NOIRE - EDGE)

COAXIAL CABLE RG58 (per metre)

ANS400

ZVCRG58



LITHIUM BATTERY 3V (2 X CR2032)

XRP03



LITHIUM BATTERY 3V CR2430

For 20-channel transmitters series TAXI and WIN3.
Lots of 10 pcs.

B3V2430





www.cardin.it