



COMPLETE RANGE



MAXIMUM SAFETY



PROTECT YOUR BUSINESS

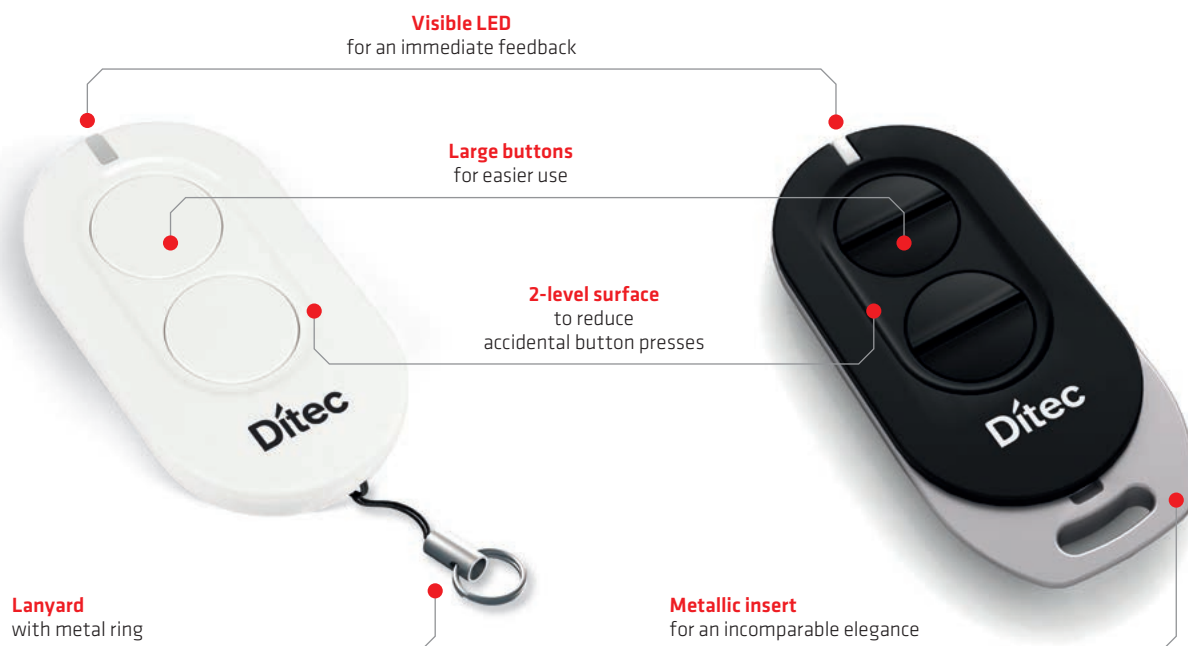
Ditec ZEN

Advanced transmitters and radio system

Ditec ZEN

Ditec ZEN is the range of 2 channel and 4 channel remote controls with an exclusive design: large pushbuttons and a rounded shape guarantee an improved user experience.

They are available in different colors and in two frequencies 433.92 MHz and 868.35 MHz.



FULL RANGE

the right transmitter for every need

- **2 channel and 4 channel** radio transmitters
- **different colors:** white, black, blue, green, red and yellow
- **433.92 MHz and 868.35 MHz versions**
- rolling code with over 4 billion combinations
- remote controls designed to transmit in multiple protocols: Ditec rolling code, fixed code, Dip Switch and the new AES 128-bit protocols (Encrypted mode and Protected mode)
- **guaranteed compatibility** with existing Ditec systems
- remote controls configurable in standard mode either by means of acquisition from the receiver or by cloning master transmitters
- additional features available thanks to Ditec ZENPAD programming unit and ZEN MANAGER software



Special version of ZEN2 transmitter

- **433 MHz transmitter wired** and complete with support for wall installation
- thanks to its small size, it can be mounted in the flush-mounted box of wall controls
- the two channels can be activated by **two external contacts** (potential free)
- prepared to **transmit in several protocols:** rolling code, fixed code, Dip Switch, and the new 128-bit AES protocols (Encrypted mode and Protected mode)
- avoids the need for a wired connection, allowing radio commands to be sent to the receiver integrated in the automations
- if used in combination with Smart Connect, it is possible to avoid the wire connection to the control panel terminals



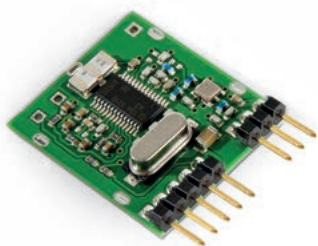
Ditec ZEN

Receivers for every need

Ditec ZENRS / ZENPRS

Plug-in receiver modules for control panel with built-in decoding

- Ditec new generation control panel are complete with **interchangeable receiver module 433.92 MHz** (ref. ZENRS)
- switch to **868.35 MHz** frequency by simply changing the receiver module (ref. ZENPRS)



Ditec BIXR2 / BIXPR2 / BIXLR42

Two-channel/four-channel plug-in receivers

- **two-channel receivers 12-24 Vdc** complete with **decoding and memory module** for remote controls
- plug-in installation on control panels without built-in decoding or in card holder base
- 433.92 MHz and 868.35 MHz versions
- compatible with removable memory modules: BIXMR2 (capacity 200 remote controls - included) and BIXMR (capacity 1000 remote controls - optional)
- possibility to configure one of the outputs as step-by-step or timed contact, as an alternative to the normal pulse mode



Ditec ZENXR2 Universal two-channel pre-wired receiver

Ditec ZENXR2 is a universal 433.92 MHz dual channel receiver conveniently pre-wired to speed up installation time. It can be used on **all the motors on the market, even those not Ditec branded**; customers can benefit from all the advantages of the Ditec ZEN range of remote controls in terms of safety and protection.

- two-channel 12-24 Vca/Vdc receiver
- inserted in a sturdy plastic container that can be fixed to the wall or placed inside other devices
- equipped with removable memory module BIXMR2 for the storage of up to 200 transmitters

- equipped with **2 relay contacts (1A/30V N.O.)** and a rigid wire antenna (length 173 mm) that guarantees high sensitivity; alternatively, it can be connected to an external antenna (GOL148REA)
- compatible with Dip Switch protocols fixed code, rolling code AES 128-bit (Encrypted mode and Protected mode)



SPECIFIC ACCESSORIES



- ▶ **Wall or car clip mount** for ZEN transmitters (not compatible with ZEN2MT and ZEN4MT)



- ▶ **Card-holding base with casing** for inside/outside fitting for 1 BIX receiver or other peripherals



- ▶ **Plug-in memory module.** Capacity: 1000 users. Compatible with BIX type receivers



- ▶ **External antenna** 433 MHz and 868 MHz



- ▶ **100 m RG58 cabling** for the aerial

Ditec ZENPAD & ZEN MANAGER

Ditec ZENPAD is a USB programming unit which, thanks to the ZEN MANAGER dedicated software, can be used to configure Ditec ZEN transmitters and memory modules for BIXMR/BIXMR2 radio controls simply using a PC.

ZEN MANAGER is a complete software that enables installation management at three levels:



Transmitter menu

Used to manage all the functions associated with transmitters and radio control devices:

- display the factory model and code
- read the current configuration
- flash a new configuration
- restore the factory configuration
- configure a multi-protocol remote control: each key can be configured independently using a different language (fixed code, rolling code, encrypted AES 128-bit, Protected mode)



Receiver menu

The following operations can be carried out for each memory module:

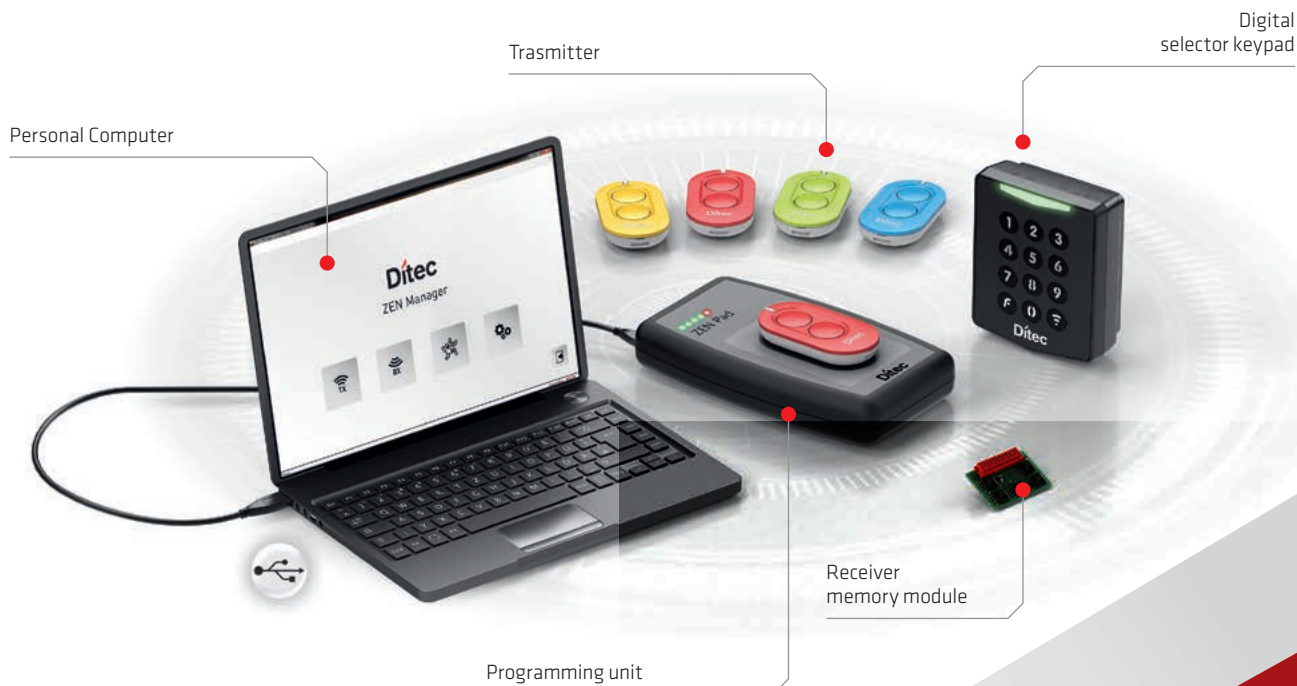
- check the list of authorisations of associated transmitters
- read the data and list of the transmitters with the possibility to add a new transmitter, change the channel configuration, transfer the list to an archive or a memory module (BIXMR - BIXMR2)
- backup and create a database of remote control units on a PC
- write a new list of remote controls into a memory module (BIXMR - BIXMR2)
- possibility to organize memory modules by installation to which they belong



Installation menu

Total management of each installation:

- installation information: date of installation, description, location, etc.
- display of plants on an interactive map
- registration of maintenance interventions on the plant
- possibility to generate a report in .csv format, that can be imported into excel





Example of use

Discover the entire range of Ditec branded products at www.ditecautomations.com



MAXIMUM SECURITY against undesired access

- the ZEN series remote controls are set up to transmit in AES-128 (Encrypted mode)
- by configuring the control panels to receive in encrypted mode, an encrypted and super-secure radio transmission is established between the remote control and the receiver, making cloning or the use of universal remote controls impossible
- Ditec is one of the first to use this technology, derived from the banking sector

- the standard Ditec ZEN rolling code remote control rolling can be transformed into AES-128 (Encrypted mode) with a quick manual operation or easily with Ditec ZENPAD and ZEN Manager



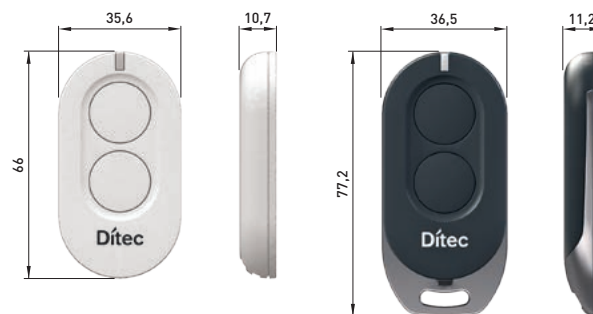
PROTECT YOUR BUSINESS



Ditec AES-128 Protected Mode is a special AES-128 encrypted mode.

- thanks to the ZENPAD programming unit, you can protect your system with a personalised installation code
- the algorithm used to encrypt rolling code transmission, using AES 128-bit, adds your access keys and speaks a single language - yours!

* Check the compatibility of the receiver on the automation



PRODUCT RANGE

CODE	DESCRIPTION	NUMBER OF CHANNELS	FREQUENCY	CAPACITY	DEFAULT PROTOCOL	COMPATIBLE PROTOCOLS
ZEN2	Colour: black, black push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN4	Colour: black, black push buttons	4 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2W	Colour: white, white push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN4W	Colour: white, white push buttons	4 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2Y	Colour: yellow, yellow push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2R	Colour: red, red push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2G	Colour: green, green push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2B	Colour: blue, blue push buttons	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2MT	Colour: black, with chrome insert	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN4MT	Colour: black, with chrome insert	4 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch
ZEN2C	Colour: black, white push buttons	2 Channels	433.92 MHz	50 m = 150 m	Fixed Code	Dip Switch, Compatible with MM53200
ZEN4C	Colour: black, white push buttons	4 Channels	433.92 MHz	50 m = 150 m	Fixed Code	Dip Switch, Compatible with MM53200
ZENP2	Colour: white, black push buttons	2 Channels	868.35 MHz	50 m = 150 m	AES-128 Encrypted	Rolling code*, AES-128 Protected, Fixed Code, Dip Switch
ZENP4	Colour: white, black push buttons	4 Channels	868.35 MHz	50 m = 150 m	AES-128 Encrypted	Rolling code*, AES-128 Protected, Fixed Code, Dip Switch
ZENKW2	Wired, with installation bracket wall mount	2 Channels	433.92 MHz	50 m = 150 m	Rolling code	AES-128 Encrypted mode*, AES-128 Protected mode, Fixed Code, Dip Switch

* you can change the mode by a simple manual procedure

NUMBER OF COMBINATIONS

Compatible with MM53200	4,096
Dip Switch	1,024
Fixed code	4,294,967,896
Rolling Code	4,294,967,896
AES 128-bit Encryption	340,282,366,920,938,000,000,000,000,000,000,000,000,000,000
PROTECTED Mode	340,282,366,920,938,000,000,000,000,000,000,000,000,000,000

COMPATIBILITY WITH PLUG-IN RECEIVERS

RECEIVERS	DIP SWITCH	FIXED CODE	ROLLING CODE	AES 128-BIT ENCRYPTION	PROTECTED MODE
BIXR2	■	■	■	■	■
BIXLR42	■	■	■	■	■
BIXPR2	■	■	■	■	■
ZENXR2	■	■	■	■	■



Dítec S.p.A.
Largo U. Boccioni, 1
21040 Origgio (VA) • Italy

Tel +39 02 963911
Fax +39 02 9650314

info@ditecautomations.com
www.ditecautomations.com

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Dítec ZEN

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