

PREGIO series

Wired intrusion detection control units
with ULTRABUS interface



Intrusion
Detection line



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PREGIO series is the new EL.MO. **wired/wireless intrusion detection control units** series, developed upon an innovative structure and open to the future scenarios and technologies.

The control units are based on integration principle with the **GSM, LAN, NTP and PSTN** Plug&Play modules of the Villeggio system.

Thanks to the possibility to rise **24** (PREGIO500), **48** (PREGIO1000) or **104 inputs** (PREGIO2000), PREGIO series is the ideal solution for several environments (domestic and commercial/civil). **PREGIO is the first EL.MO. "green" control unit.** It is designed for consumption reduction with consequent economic savings and environment protection.



PREGIO series key points



PREGIO control units are based on a modular structure. Indeed it is able to integrate Plug&Play components that allow to extend its functions.

PREGIO is integrated into the e-Connect management, supervision and centralization system.



PREGIO is a “green” control unit with power and battery consumption equal to one fifth of old generation control units.

The MDLAN (for PREGIO1000 and PREGIO2000) and MDWIFIH modules (for PREGIO500) allow connecting to the e-Connect system for remote control, supervision and configuration.



PREGIO are wired/wireless control units with 8 on board inputs (16 with split function) expandable to 24 (PREGIO500), 48 (PREGIO1000) or 104 (PREGIO2000) using RIVER concentrators or GATEWAY2K.

MDGSME/MDGSMI modules allows the connection from and to the control unit via GSM. It allows to send alarm voice messages or SMS, to manage the control unit via SMS, to listen the remote environment and the connection to e-Connect system.



Thanks to the GATEWAY2K optional module, PREGIO series control units can integrate also the NG-TRX wireless devices. NG-TRX is the new EL.MO. intrusion detection two-way wireless technology with 2 km operative range.






















MDPSTN module supports the connection to analogue telephone line. It incorporates a 33kbps modem for the remote programming and operates in low power mode.



PREGIO series implements the voice synthesis function with 4 default messages. In addition, it is available an optional board to extend the customizable messages up to 64 with total time up to 8 minutes.

MDNTP module provides a virtual telephone line through the GSM network, allowing the connection of traditional telephone devices (only PREGIO2000).



Model	PREGIO2000	PREGIO1000 / PREGIO1000BM	PREGIO500
Product Code	<ul style="list-style-type: none">  CCPRG0100100  CCPRG0100101  CCPRG0100104  CCPRG0100105  CCPRG0100106  CCPRG0100107 	<ul style="list-style-type: none">  CCPRG0200100 / CCPRG0200200  CCPRG0200101 / CCPRG0200201  CCPRG0200104 / CCPRG0200204  CCPRG0200105 / CCPRG0200205  CCPRG0200106 / CCPRG0200206  CCPRG0200107 / CCPRG0200207 	<ul style="list-style-type: none">  CCPRG0300100  CCPRG0300101  CCPRG0300104  CCPRG0300105  CCPRG0300106  CCPRG0300107
			
Total zones	Up to 104 Available on-board: 8 wired zones (16 with split function), expandable via ULTRABUS by using RIVER concentrators / GATEWAY2K.	Up to 48	Up to 24
Outputs	Up to 104 outputs (using the optional relay modules with RIVER concentrators). The outputs can be programmed and remotely controlled. 12V fuse-protected power output for detectors. 1 programmable relay alarm output (max 3A). 1 programmable output (max 100mA).	Up to 48 outputs (using the optional relay modules with RIVER concentrators). The outputs can be programmed and remotely controlled. 12V fuse-protected power output for detectors. 1 programmable relay alarm output (max 3A). 1 programmable output (max 100mA).	Up to 24 outputs (using the optional relay modules with RIVER concentrators). The outputs can be programmed and remotely controlled. 12V fuse-protected power output for detectors. 1 programmable relay alarm output (max 3A). -
Users	64 users maximum.	32 users maximum.	32 users maximum.
Serial bus	1 x ULTRABUS for connection of compatible devices (detectors, sirens, power supply units, keypads, security fog system...)		
Control devices	16 ULTRABUS control devices, choosing among keypads (TATTILOPLUS, TATTILO, ANIMA, NIRVA and MIDAS series), control points (ETRZENITH, IZENTIH), 18 proximity key readers, PASSLIGHT indicators.		
Areas/sectors	4 areas with 4 sectors each, or 2 areas with 8 sectors each, or 1 area with 16 sectors.		
Functions	Current draw and battery power consumption: 20% the old-generation control units. Integrated voice synthesis with 4 pre-defined messages (MDVOICE64 optional board available for extension up to 64 messages). Interfacing to the e-Connect management, supervision and centralization system. Internal clock with backup battery and weekly programmer.		
	1000 events log.	1000 events log.	1000 events log.
	Phone dialler.	Phone dialler.	Phone dialler.
	Digital dialler with ContactID and Fast Format protocols.	Digital dialler with ContactID and Fast Format protocols.	Digital dialler with ContactID and Fast Format protocols.
Slots for optional modules	1 for MDGSME module + 1 for MDPSTN or MDNTP module + 1 for MDLAN module.	1 for MDGSME or MDPSTN module + 1 for MDLAN module.	1 for MDGSMI/MDGSME or MDPSTN module + 1 for MDWIFIH module.
Compatible modules	MDGSME for connection via GSM.	MDGSME for connection via GSM.	MDGSMI/MDGSME for connection via GSM.
	MDLAN for 10Mbit Ethernet connection.	MDLAN for 10Mbit Ethernet connection.	MDWIFIH for Wi-Fi connection.
	MDNTP to generate a virtual phone line via GSM.	-	-
	MDPSTN for analogue phone line.	MDPSTN for analogue phone line.	MDPSTN for analogue phone line.
	MDVOICE64 for extension up to 64 voice messages. Total time: 8 minutes.		
	MDRS232 for connection to ETREIB, for interfacing to Konnex systems.	MDRS232 for connection to ETREIB, for interfacing to Konnex systems.	-
Case	Metal case protected against opening and removal (maximum battery: 18 Ah)	Metal case protected against opening and removal (maximum battery: 7 Ah for PREGIO1000, 18 Ah for PREGIO1000BM)	Plastic case protected against opening and removal (maximum battery: 4 Ah)
Operating temperature	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C
Dimensions and weight	W 316 x H 305 x D 143mm, 4 kg	W 225 x H 274 x D 111mm, 2.2 kg / W 316 x H 305 x D 143mm, 4 kg	W 200 x H 270 x D 90mm, 4 kg
Current draw	15 mA idle	15 mA idle	15 mA idle
Power supply	110-240VAC 50Hz from mains, 2.4 A power supply unit.	110-240VCA 50Hz from mains, 2.4 A power supply unit.	110-240VCA 50Hz from mains, 1.7 A power supply unit.
Regulations	Compliant with EN 50131-3 grade 3, environmental class II.	Compliant with EN 50131-3 grade 3, environmental class II.	Compliant with EN 50131-3 grade 3, environmental class II.

e-Connect

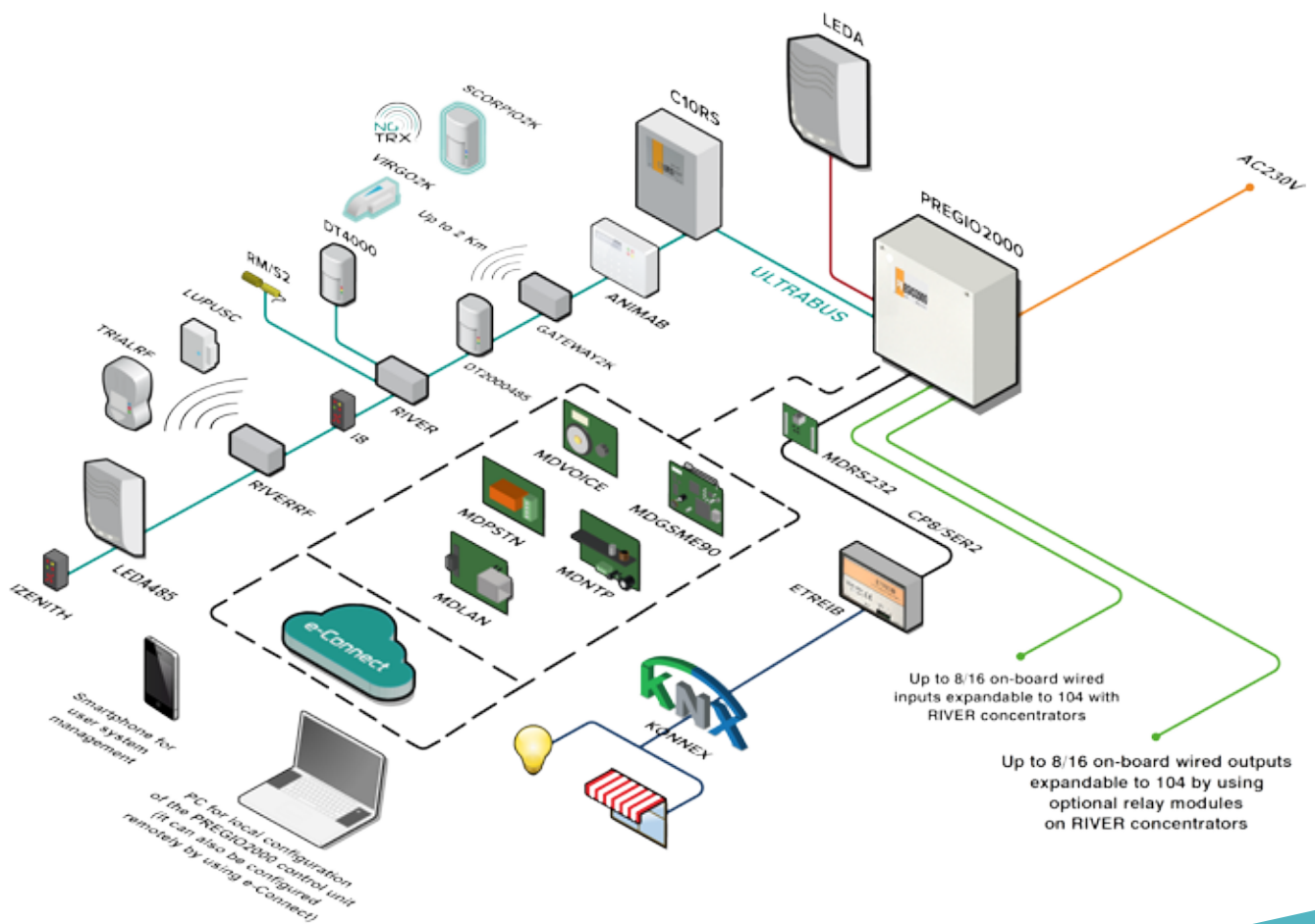
Web platform for security systems

e-Connect is the innovative web platform for the management, centralization and supervision of EL.MO. intrusion detection systems for end-users, installers, distributors and service companies. With e-Connect you can:






- Control the status of your system: power supply, battery, alarms.
- Enable or disable devices directly touching icons on the map.
- Control lighting, heating, irrigation.
- Remotely program thermostat and manage temperature of your home.
- View your video surveillance system cameras directly from your smartphone or tablet.
- Enable and disable different areas of your home.
- Receive real time notifications for each event.
- Manage more systems with just one account.









Functional scheme



Modules for PREGIO series

MDVOICE64	MDPSTN	MDNTP	MDLAN	MDWIFIH
				
Digital voice synthesis module	PSTN module	NTP module (only for PREGIO2000)	LAN module	Wi-Fi module (only for PREGIO500)

MDGSME90	MDGSMI	MDGSME	ELMOGWAY	MDRS232	ETREIB
					
Kit composed by MDGSME GSM module + external 90° antenna (only for PREGIO1000/2000)	GSM module with integrated antenna (only for PREGIO500)	GSM module without antenna	Konnex, SCS and Modbus interfaces modules (only for PREGIO1000/2000)	RS232 interface module for ETREIB Konnex module connection (only for PREGIO1000/2000)	Konnex interface module (only for PREGIO1000/2000)

Compatible devices

TRIAL series	GRIFOX series	STRIXO series
		
Outdoor 2IR+MW detectors with multifocal/vertical/horizontal lens	Outdoor IR+MW detectors with multifocal lens	Outdoor IR+MW detectors for doors/windows/outdoor walls protections

BLADE series	DT2000	DT4000	TRES01 series	FLY series
				
Indoor IR detector for doors/windows	Indoor IR+MW wired detector	Indoor IR+MW wired detector with anti-mask function	Indoor 2IR+MW detectors	Indoor detectors for ceiling-mount

DRACO	DRACOG2	RCALG/RCALRF	Gas detectors
			
Wireless smoke detector	Wireless heat detector	Flooding detectors	Gas methane, LPG and CO detectors for civilian use

ANIMA series TATTILO series NIRVA MIDAS



Capacitive control and management keypads



Touch screen control and management keypads



Control and management keypads



Control and management keypads

LEDA485 and LEDA485VOX RPX485 RIVER series C10RS / C11RS



Outdoor sirens with ULTRABUS interface



ULTRABUS repeater



Concentrators



Power supply units with ULTRABUS interface

GATEWAY2K ATLANTE2K GAIA2K



Gateway with ULTRABUS interface. It allows using the NG-TRX devices with the PREGIO series



Two-way remote control



Wireless two-way outdoor siren

SCORPIO2K CONDOR2K BLADE2K TRIAL2K series GRIFO2K STRIXO2K



Wireless two-way indoor IR detector



Wireless two-way indoor IR+MW detector



Wireless two-way indoor IR detector for doors/windows



Wireless two-way outdoor 2IR+MW detectors with multifocal/vertical/horizontal lens



Wireless two-way outdoor IR+MW detector with multifocal lens



Wireless two-way outdoor IR+MW detector with vertical lens

FLY2K VIRGO2K LUPUS2K LUPUSC2K VOLANS2K VOLANSC2K



Indoor detectors for ceiling-mount



Wireless two-way perimetral transmitter for indoor and outdoor use (IP55)



Wireless two-way perimetral transmitter. It manages 1 onboard contact, 1 external contact and 1 roll-up shutter




Wireless two-way compact perimetral transmitter. It manages 1 onboard contact, 1 external contact and 1 roll-up shutter



Wireless two-way perimetral transmitter. It manages 1 onboard contact, 1 external contact, 1 roll-up shutter and 1 integrated piezo sensor



Wireless two-way compact perimetral transmitter. It manages 1 onboard contact, 1 external contact, 1 roll-up shutter and 1 integrated piezo sensor

The devices are available in these versions:  Traditional wireless  Two-way wireless  Wired  ULTRABUS (EL.MO. addressable RS485 serial bus)



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