intelbras

Installation Guide

AMT 4010 Smart
AMT 4010 Smart Net

intelbras

AMT 4010 Smart
AMT 4010 Smart Net
Alarm center

Congratulations, you have just purchased a product with Intelbras quality and safety.

The AMT 4010 Smart/AMT 4010 Smart Net alarm center has advanced technology and is easy to program. It has 8 memories for telephone numbers, Panic function, Emergency function, 24-hour zone, intelligent battery charger with protection against short circuit or reverse polarity, timer, sensor test function and a Smart function for XAS 4010 Smart sensors (optional) and IVP 4000 Smart (optional) in FSK modulation.

This center can be connected to opening , infrared, impact sensors, and others. It reports events to 2 IP destinations, telephone (monitoring companies) and has also the option of reporting via radio (DX-Net/Radioenge). It has the option of remote configuration via TCP/IP, USB cable (remote configuration and firmware update), telephone line and GPRS (optional).

ANATEL

This is a product homologated by Anatel, the homologation number is on the product's label, for inquiries use the link *sistemas.anatel.gov.br/sch*.

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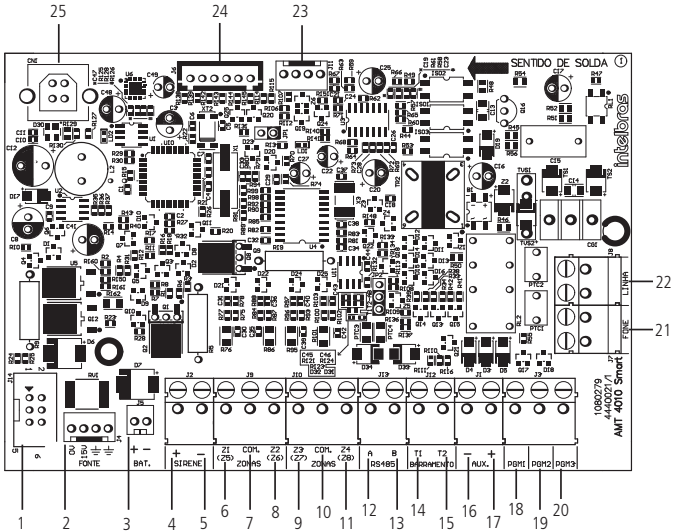
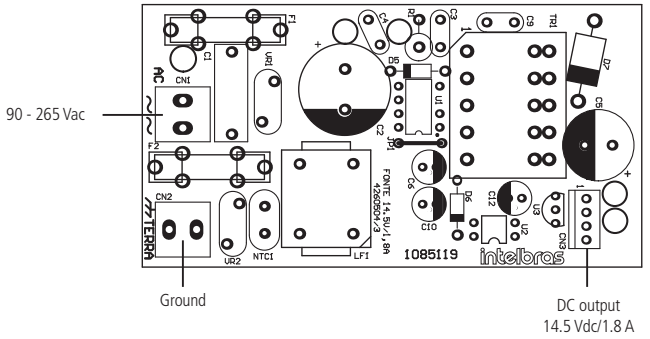
1. Installation



1. Connector for connection to the XEG 4000 Smart, XG 4000 Smart or XE 4000 Smart board
2. Connector for power supply from the switched-mode power supply
3. Battery connector
4. Positive of the siren output
5. Negative of the siren output
6. Zone 1 input for connecting wired sensors
7. Common for connecting wired sensors (from Z1 and Z2 zones)
8. Zone 2 input for connecting wired sensors
9. Zone 3 input for connecting wired sensors
10. Common for connecting wired sensors (from Z3 and Z4 zones)
11. Zone 4 input for connecting wired sensors
12. Terminal A for the RS485 digital bus (used to control keyboards, wireless device receivers, zone and PGM expanders)

13. Terminal B for the RS485 digital bus (used to control keyboards, wireless device receivers, zone expanders and PGMs))
14. T1 Terminal for the digital bus (used to control the keyboards and wireless device receivers)
15. T2 terminal for the digital bus (used to control the keyboards and wireless device receivers.
16. Negative of the auxiliary output
17. Positive of the auxiliary output
18. PGM 1 programmable output
19. PGM 2 programmable output
20. PGM 3 programmable output
21. Output for telephones
22. Telephone line input
23. DX-Net/Radioenge Radio Output
24. Connector for writing to the microcontroller of the AMT 4010 Smart/AMT 4010 Smart Net
25. USB connector for bootloader and downloading/uploading the center's programming

Full range switching power supply (90 and 265 Vac):



(Use of a cable with gauge ≥1 mm is recommended)

2. Quick Access Keys (starting with version 1.6.0)

Press and hold for 3 seconds:

Key 1 = View the center´s version.

Key 3 = view the center's local IP.

Key 6 = view the center´s MAC.

3. Quick Programming Reference

This quick reference assumes that the alarm center is in programming mode and presumes that you have read the entire manual and know each function's result. Manual available at: *www.intelbras.com.br.*

3.1. New QR CODE Label

To maintain the ease of connection between the alarm center and our applications via Ethernet/GPRS and give more security to customers, we have created a new QR CODE label model as shown in the image below that has the following fields:

- » MAC;
- » Random master password with 4 numeric digits;
- » Random remote access password with 6 numeric digits;

The MAC number, the Master password, and the Remote Access password registered in the label will be stored in the factory.

This new label and the previously saved passwords will prevent all centers from leaving the factory with the Master password *1234* and the Remote Access password *878787*.

If you wish to access the alarm center with one of our compatible applications via CLOUD, just use the QR CODE reader of the application, read the QR CODE code from the label on the cover of the center and it will automatically fill in the MAC, Master password and Remote Access password fields in the application.

If you want to use any other feature of the center that requires a Master password (4 digits) or a Remote Access password (6 digits), use the passwords that are registered in the QR CODE tag.

Note: » the Master password (4 digits) and also the Remote Access password (6 digits) can be changed according to the user's needs using the keyboard command, as shown below:

1. *To change the Master Password, type*: Enter + Current Master Password + Enter + 20 + 00 + New Password + Enter*;*
2. *To change the Remote Access Password, type:* Enter + Installer Password + Enter + 20 + 63 + New 6-digit Password + Enter.

   After the changes made in commands 1 and 2 above, the changed passwords will become the new Master and remote access passwords, that is, the passwords registered in the label will no longer be valid.

   By performing a general reset, the Master password will go back to being: *1234* and the Remote Access password will go back to being: *878787*.

3.2. Passwords programming 1

(For master user's programming only (see item 3.1. New QR CODE Label))

Register password

Enter + 20 + ?? + (4 or 6 digit password) + Enter

?? = password number

00 = master password

01 to 60 = secondary passwords

61 = duress password

Register temporary password

Enter + 27 + ?? + (4 or 6 digit password) + Enter

?? = password number 01 to 60 for temporary passwords

Register time for the temporary password

Enter + 43 + ? ? + ? ? ? ? + Enter

?? = password number 01 to 60 for temporary passwords

???? = 4-digit time (0001 to 1000 hours), this time leaves the factory empty.

Command to delete passwords

Enter + 20 + ?? + Enter

?? = password number, from 01 to 61

Command to delete the temporary passwords

Enter + 27 + ?? + Enter

?? = password number, from 01 to 60 (temporary passwords)

3.3. Password Programming 2

(Programming only by the installer)

Enter + 20 + ?? + (4 or 6 digit password) + Enter

?? = password number

62 = installer password

63 = computer password (*see item 3.1. New QR CODE label)*

64 to 66 = alarm center' s PGM passwords

67 to 82 = PGM expanders´ PGM passwords

Command to delete passwords

Enter + 20 + ?? + Enter

?? = password number from 63 to 82

Password Permissions

(Programming master or installer password)

(see *item 3.1. New QR CODE label)*

Enter + 2 + P + G + Enter + select the group passwords + Enter

Where:

P = Permission:

- 1 = partition A
- 2 = partition B
- 3 = partition C
- 4 = partition D
- 5 = only active
- 6 = bypass

G = Passwords group:

- 0 = passwords 1 to 8
- 1 = passwords 9 to 16
- 2 = passwords 17 to 24
- 3 = passwords 25 to 32
- 4 = passwords 33 to 40
- 5 = passwords 41 to 48
- 6 = passwords 49 to 56
- 7 = passwords 57 to 60

3.4. User Attributes (as of version 1.90)

(Master or Installer password programming)

(see item *3.1. New QR CODE Label)*

Note: the User Attributes function has been removed as of version 5.0.

Enter + 2900 + XX + Enter, where XX goes from 01 to 60

2900	User 01 to 60	Key *1*	Has permission on partition A
		Key *2*	Has permission on partition B
		Key *3*	Has permission on partition C
		Key *4*	Has permission on partition D
		Key *5*	Only has the permission to activate
		Key *6*	Has the permission to bypass

Enter + 2901 + XX + Enter, where XX goes from 01 to 60

2901	User 01 to 60	Key *1**	Has permission to trigger the PGM 1
		Key *2**	Has permission to trigger the PGM 2
		Tecla *3**	Has permission to trigger the PGM 3
		Key *4**	Has permission to trigger the PGM 4
		Key *5**	Has permission to trigger the PGM 5
		Key *6**	Has permission to trigger the PGM 6
		Key *7**	Has permission to trigger the PGM 7
		Key *8**	Has permission to trigger the PGM 8

** This function is only valid for activation by Keyboard. The user can always trigger all PGMs via App.*

Enter + 2902 + XX + Enter, where XX goes from 01 to 60

2902	User 01 to 60	Key *1**	Has permission to trigger the PGM 9
		Key *2**	Has permission to trigger the PGM 10
		Key *3**	Has permission to trigger thePGM 11
		Key *4**	Has permission to trigger the PGM 12
		Key *5**	Has permission to trigger the PGM 13
		Key *6**	Has permission to trigger the PGM 14
		Key *7**	Has permission to trigger the PGM 15
		Key *8**	Has permission to trigger the PGM 16

** This function is only valid for activation by Keyboard. The user can always trigger all PGMs via App.*

Enter + 2903 + XX + Enter, where XX goes from 01 to 60

2903	User 01 to 60	Key *1**	Has permission to trigger the PGM 17
		Key *2**	Has permission to trigger the PGM 18
		Key *3**	Has permission to trigger the PGM 19

** This function is only valid for activation by Keyboard. The user can always trigger all PGMs via App.*

3.5. Zone Configuration

(Programming only by the installer)

Enable or disable zones

Enter + 30 + ? + Enter + select zone + Enter

? = group of zones from 0 to 7

Zone Functions

Enter + 3 + ? + ? + Enter + select zone + Enter

? = function from 1 to 6

1 = timed
2 = follower
3 = 24h
4 = panic
5 = medical emergency
6 = fire

? = group of zones from 0 to 7

Electric Fence Trigger Zone

The event generated in this trigger will be 131. To program it, check the topic 3.7. *Zone Attributes (*as of version 1.90).

Note: As of version 5.0 the Zone Attributes function will be removed and the programming command will be:

Enter + 68 + G + Enter	
G = 0	Zones 1 to 8
1	9 to 16
2	17 to 24
3	25 to 32
4	33 to 40
5	41 to 48
6	49 to 54
7	55 to 64

Intercom Ringing Zone

The event generated in this trigger will be 322. For this zone configuration there will be no event restoration. To program it, check the topic *3.7. Zone Attributes (as of version 1.90).*

Note:

- » *If you wish to send several doorbell rings after the alarm center is activated, you must enable the sending of events in real time (Real Time Reporting).*
- » *As of version 5.0 the Zone Attributes function will be removed and the programming command will be:*

Enter + 69 + G + Enter	
G = 0	Zones 1 to 8
1	9 to 16
2	17 to 24
3	25 to 32
4	33 to 40
5	41 to 48
6	49 to 54
7	55 to 64

Zone operation mode

Enter + 0 + M + T + Enter + select zone + Enter

M = operation mode from 5 to 8

5 = smart

6 = fast

7 = silent

8 = normally open contact

T = group of zones from 0 to 7

» **Stay (as of version 5.0)**

The zones selected for this option remain inactive during activation in Stay mode regardless of the partition associated with it.

Note.: *during full activation of the partition, outside of Stay mode, all zones in the partition will trigger.*

The Stay Zone function can be programmed as shown in the following table:

Enter + 38 + G + Enter	
G = 0	Zones 1 to 8
1	9 to 16
2	17 to 24
3	25 to 32
4	33 to 40
5	41 to 48
6	49 to 54
7	55 to 64

» **Wireless Tamper (of version 5.0)**

Zones must be configured to identify Tamper and wireless sensors must have tamper.

The moment the sensor is opened, the zone will be open and a Tamper event will be generated. The zone will remain open until the sensor closes.

Note: *The zones that can be configured with this function are 17 to 64. And they can be programmed as shown in the table below:*

Enter + 78 + G + Enter	
G = 0	Not applicable
1	Not applicable
2	Zones 17 to 24
3	25 to 32
4	33 to 40
5	41 to 48
6	49 to 54
7	55 to 64

Smart Zone Time

Enter + 49 + ??? + Enter

??? = 001 to 030 seconds

Automatic zone cancellation

Enter + 53 + ? + Enter

? = number of triggers to cancel from 0 to 9

Automatic zone cancellation by zone opening

Enter + 51 + 1 + Enter + select the 8 key + Enter

3.6. Partitioning

Enable Partitioning

Enter + 510 + Enter + Key 1 + Enter

Use the keyboard to select option 1 (remain filled) to enable partitioning. If it is left empty, partitioning will be disabled (factory default).

Select the zones for the partitions

Enter + 0 + P + G + Enter

P = Partitions 1 to 4, where 1 = partition A / 2 = partition B / 3 = partition C / 4 = partition D

G = zone group 0 to 7, where 0 = zones 1 to 8, 1 = 9 to 16, 2 = 17 to 24, 3 = 25 to 32, 4 = 33 to 40, 5 = 41 to 48, 6 = 49 to 56, and 7 = 57 to 64.

After introducing the programming (select which partition and zone group) define which zones will be active in the partition so that the zone marker is selected. Repeat the same programming for the other partitions and zone groups (zones 1 to 8 will always be shown in each programming).

Obs.: *If no zones are defined for the partition, it will remain inactive.*

Password Permissions

Enter + 2 + P + G + Enter + select the group passwords + Enter

P = Permission: 1 = partition A / 2 = partition B / 3 = partition C / 4 = partition D

G = Password Group: 0 = passwords 1 to 8 1 = passwords 9 to 16 2 = passwords 17 to 24 3 = passwords 25 to 32 4 = passwords 33 to 405 = passwords 41 to 48 6 = passwords 49 to 56 7 = passwords 57 to 60

Attention: in addition to the above programming items, it is necessary that user passwords be created/set (Password Registration topic) in addition to the registration of wireless controls for access (Remote Control topic).

3.7. Zone attributes (as of version 1.90)

(Programming only by the installer)

Note: the Zone Attributes function has been removed as of version 5.0.

Enter + 3900 + XX + Enter, where XX goes from 01 to 64

3900	Zone 01 to 64	*Key 1*	Enables the zone
		Key 2	Has permission on partition A
		Key 3	Has permission on partition B
		Key 4	Has permission on partition C
		Key 5	Has permission on partition D

***Note*:** each zone can have permission on only one partition. If you check the permission on more than one partition, the first one checked is the one that counts.

Enter + 3901 + XX + Enter, where XX goes from 01 to 64

3901	Zone 01 to 64	*Key 1*	Smart Zone
		Key 2	Fast Zone
		Key 3	Quiet zone
		Key 4	NA Zone
		Key 5	Presence annunciation zone (chime)

Enter + 3902 + XX + Enter, where XX goes from 01 to 64

3902	Zone 01 to 64	*Key 1*	Timed Zone
		Key 2	Follower Zone
		Key 3	24h Zone
		Key 4	Panic Zone
		Key 5	Medical Emergency Zone
		Key *6*	Fire Zone
		Key *7*	Electric fence trigger (only available as of version 2.0)
		Key *8*	Doorbell ringing (available only as of version 2.0)

Note: each zone can have permission on only one attribute. If you check the permission on more than one attribute, the first one checked is the one that counts.

3.8. Power-on input (as of version 2.00)

Power-On input zone:

Enter + 09 + Zone (2 digits) + Enter

Power-On input partition:

Enter + 516 + Enter

Key *5*	Partition A
Key *6*	Partition B
Key *7*	Partition C
Key *8*	Partition D

Permission to activate and/or deactivate the power-on input:

Enter + 518 + Enter

Key *2*	Permission to activate
Key *3*	Permission to deactivate

3.9. Open XEZs zones after bus failure (as of version 3.80)

To enable:

Enter + 518 + enter

Key *4*	Opens the zones on failure

Note: *as of version 5.0 the Open Zones on Failure function will leave enabled from the factory.*

3.10. Manual bus scan (as of version 3.80)

To enable:

Enter + 518 + enter

Key *5*	Manual scan mode

To perform manual scan:

Enter + 37 + enter

3.11. Timing

(Programming only by the installer)

Entry Timer Programming

Enter + 42 + ? + ??? + Enter

? = partition

0 = timing of partition A

1 = timing of partition B

2 = timing of partition C

3 = timing of partition D

??? = entry time from 000 to 255 seconds

If ??? = 000, entry timer disabled

Exit Timer Programming

Enter + 44 + ??? + Enter

??? = exit time from 000 to 255 seconds

If ??? = 000 exit timer disabled

Clock programming

Enter + 400 + HH + MM + SS + Enter

HH = two-digit hours in 24h format

MM = two-digit minutes

SS = two-digit seconds

Fine tuning of the center clock's seconds

Enter + 405 + SSS + Enter

Calendar Programming

Enter + 401 + DD + MM + AA + Enter

DD = two-digit day

MM = two-digit month

AA = two-digit year

Enable the siren beep on activation/deactivation

Enter + 510 + Enter + select the 3 key + Enter

Enable siren beep on activation/deactivation from the remote control

Enter + 51 + 6 + Enter + select option 3 + Enter

Enable siren beep on activation/deactivation from the keyboard

Enter + 51 + 6 + Enter + select option 4 + Enter

Programming of siren time

Enter + 41 + ?? + Enter ?? = 01 to 99 minutos

If ?? = 00, siren time = 15 minutes

Time to Send AC Failure

Enter + 48 + ?? + Enter

?? = 01 to 99 minutos

3.12. Auto activation

(Programming only by the installer)

Programming auto activation when idle

Note: as of version 2.30, auto activation when idle will be usable together with scheduled auto activation.

Enter + 460 + ?? + Enter

?? = idle time from 00 to 99 minutes

Programming of auto activation by time

Note: *As of version 2.30, the time-based auto activation will be disabled. To use auto activation at a specific time, use scheduled auto activation.*

Enter + 461 + HHMM + Enter

HHMM = auto activation time with 4 digits in 24h format

To cancel the auto activation by time, type:

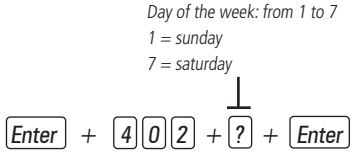
Enter + 461 + 0000 + Enter

3.13. Scheduled auto activation and autodeactivation

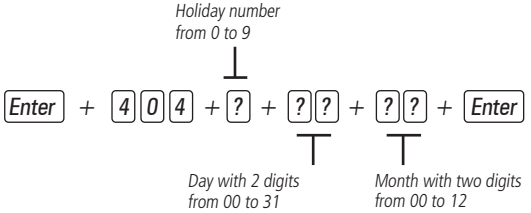
Note: *as of version 2.30, scheduled auto activation will be usable together with auto activation when idle.*

(Programming only by the installer)

Day of the week adjustment



Holidays



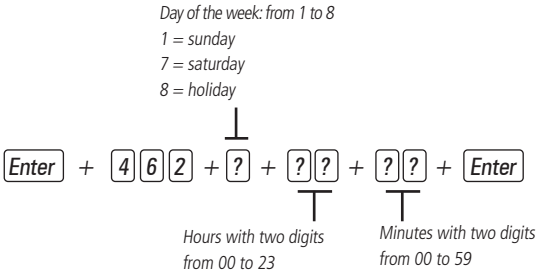
Days for scheduled auto activation

Enter + 838 + Enter

Selects the days on which the auto-activation will occur. Key 8 enables the function for scheduled holidays.

Key *1*	Sunday
Key *2*	Monday
Key *3*	Tuesday
Key *4*	Wednesday
Key *5*	Thursday
Key *6*	Friday
Key *7*	Saturday
Key *8*	Holiday

Scheduled auto activation Time

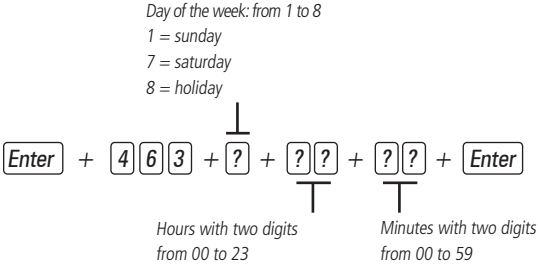


Days for scheduled auto deactivation

Enter + 839 + Enter

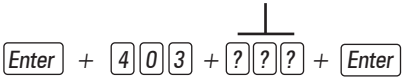
Key *1*	Sunday
Key *2*	Monday
Key *3*	Tuesday
Key *4*	Wednesday
Key *5*	Thursday
Key *6*	Friday
Key *7*	Saturday
Key *8*	Holiday

Scheduled auto deactivation Time

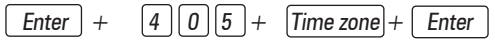


Time interval for date and time synchronization

Three-digit time interval from 000 to 255 hours
000 = disabled



Time zone



Time zone goes from 000 (disabled) to 012. 002 is the time zone for Fernando de Noronha, 003 for Brasília, 004 for Manaus and 005 for Rio Branco.

Enable Smart function (supervision)

Enter + 516 + Enter + select function + Enter

Key *1*	*Smart* Function
Key *2*	Siren triggering due to *Smart* system failure

Setting the time for the Smart function connectivity test

Enter + 57 + ? + Enter

? = 1 = 36 min

2 = 72 min

3 = 108 min

4 = 144 min

5 = 180 min

Note:

» *The more likely it is that the sensors installed at the site will be triggered at the same time, the longer the time programmed for this function should be.*

» *As of version 5.0 the Smart Supervision Time function has been removed and set to 180 minutes.*

Example:

1. In places with few installed sensors, but with several simultaneous activations, the programmed time should be longer.
2. In places with many installed sensors, but with little simultaneous activation of the sensors, the programmed value for this function should be lower.

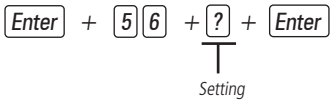
Configuration of the communication busbar of the alarm center by keyboard (as of version 1.8.0 of the AMT 4010 Smart/AMT 4010 Smart Net)

Enter + 517 + Enter + Key 1 to 8 + Enter

Key	Busbar	Busbar	Device
1	□ - T1T2	■ - AB	Keyboard 1
2	□ - T1T2	■ - AB	Keyboard 2
3	□ - T1T2	■ - AB	Keyboard 3
4	□ - T1T2	■ - AB	Keyboard 4
5	□ - T1T2	■ - AB	Receiver 1
6	□ - T1T2	■ - AB	Receiver 2
7	□ - T1T2	■ - AB	Receiver 3
8	□ - T1T2	■ - AB	Receiver 4

3.14. Current setting of the siren and auxiliary outputs

(Programming only by the installer)



Setting	Siren (A)	Auxiliar (A)
0	1,0	0,5
1	1,0	1,0
2	1,3	0,7
3	1,5	0,5

To perform the settings below enter programming mode using the installer password.

3.15. Easy registration of wireless devices (as of version 1.90)

Note: as of version 3.30 of AMT 4010 SMART and AMT 4010 SMART NET it will not be possible to register devices out of programming mode.

We do not guarantee the registration/functionality of our centers with wireless sensors that are not manufactured by Intelbras.

Regarding remote controls from other manufacturers, they must have the following features to work with our centers:

1. Operate in OOK modulation;
2. Operate on 433.92 Mhz frequency;
3. Transmission rate 1.886 Kbps.

(Out of programming mode)

Remote control registration

0 + XX + Enter, where XX goes from 00 to 60

Wireless sensor registration

1 + XX + Enter, where XX goes from 17 to 64

Wireless Panic registration

2 + XX + Enter, where XX goes from 00 to 60

Wireless Silent Panic registration

3 + XX + Enter, where XX goes from 00 to 60

Wireless Fire registration

4 + 01 + Enter

Wireless Medical Emergency registration

5 + 01 + Enter

Wireless PGM registration

6 + XX + Enter, where XX goes from 01 to 19

Block easy registration of wireless devices (as of version 1.90)

(Programação exclusiva do instalador)

Enter + 518 + Enter + key 1 + Enter

Checked Box: easy registration is blocked

Empty Box: Easy Registration is available

3.16. Remote Control

Regarding remote controls from other manufacturers, they must have the following features to work with our centers:

1. Operate in OOK modulation;
2. Operate on 433.92 Mhz frequency;
3. Transmission rate 1.886 Kbps.

Enter + 60 + ?? + Enter = remote control program

?? = user number from 00 to 61

Delete wireless remote control

Enter + 70 + ?? + Enter = erases remote control

?? = user number from 00 to 61

Wireless medical emergency

Enter + 65 + Enter

To delete devices registered as medical emergency

Enter + 75 + Enter

Wireless panic and fire

Enter + 6 + ? + ?? + Enter

? = function number

2 = panic with siren

3 = silent panic

4 = fire

?? = user 01 to 16

To program wireless panic and fire (as of version 1.5.0)

Function number

2 = panic with siren

3 = silent panic

4 = fire (for user 01 only)

Enter + 6 ? + ? ? + Enter + activate wireless device

User 01 to 60

To delete devices programmed for one of these functions

Function number

2 = panic with siren

3 = silent panic

4 = fire (for user 01 only)

Enter + 7 ? + ? ? + Enter

User 01 to 60

Delete wireless panic and fire

Enter + 7 + ? + ?? + Enter

 ? = function number

2 = panic with siren

3 = silent panic

4 = fire

?? = user 01 to 16

Remote control for PGM

Enter + 66 + ?? + Enter + control activation

?? (01 to 19) = PGM1 to PGM19

Delete wireless PGM

Enter + 76 + ?? + Enter

?? (01 to 19) = PGM1 to PGM19

3.17. Wireless sensors

We do not guarantee the registration/functionality of our centers with wireless sensors that are not manufactured by Intelbras.

Enter + 61 + ?? + Enter + activate wireless sensor

?? = zone number 17 to 64

To delete wireless sensors

Enter + 71 + ?? + Enter = deletes wireless sensor

?? = zone number 17 to 64

Sensor Test

Enter + 52 + Enter

Wireless sensors battery test

Enter + 79 + Enter

Bus devices test

Enter + 59 + ? + Enter

? = function group 0 and 1

3.18. Resetting wireless devices

Enter + 7 + Cancel + Enter

Note: this command deletes all programmed wireless devices.

3.19. Sensor connection configuration (valid for versions 1.80 and up)

Type	Configuration for the center zones	Configuration for XEZ zones
0	Single zone without end-of-line resistor	Single zone without end-of-line resistor
1	Single zone without end-of-line resistor and with tamper detection	Single zone without end-of-line resistor and with tamper detection
2	Single zone with end of line resistor and wiring short circuit detection	Single zone with end of line resistor and wiring short circuit detection
3	Single zone with end of line resistor, tamper and wiring short circuit detection	Single zone with end of line resistor, tamper and wiring short circuit detection
4	Dual zone without end-of-line resistor	Dual zone without end-of-line resistor
5	Dual zone without end-of-line resistor and with tamper detection	Dual zone without end-of-line resistor and with tamper detection
6	Dual zone with end-of-line resistor, tamper and wiring short-circuit detection	Dual zone with end-of-line resistor, tamper and wiring short-circuit detection
7	Parallel doubling with wiring short-circuit detection	Single zone with end-of-line resistor and wiring short-circuit detection

Enter + 54 + ? + Enter

? = connection type from 0 to 7

0 = Single zone without end-of-line resistor

1 = Single zone without end-of-line resistor and with tamper detection

2 = Single zone with end of line resistor and wiring short circuit detection

3 = Single zone with end of line resistor, tamper and wiring short circuit detection

4 = Dual zone without end-of-line resistor

5 = Dual zone without end-of-line resistor and with tamper detection

6 = Dual zone with end-of-line resistor, tamper and wiring short-circuit detection

7 = Parallel doubling with wiring short-circuit detection

3.20. Presence Announcer

Enter + 55 + ? + Enter + select zone + Enter

? = zone group from 0 to 7

0 = zones 1 to 8

1 = zones 9 to 16

2 = zones 17 to 24

3 = zones 25 to 32

4 = zones 33 to 40

5 = zones 41 to 48

6 = zones 49 to 56

7 = zones 57 to 64

3.21. PGM output

Enter + 50 + A + B + ?? + Enter

A = 1 (PGM1)

2 (PGM2)

3 (PGM3)

B = operation mode:

0 = on/off

1 to 8 = pulse duration 1 to 8 seconds

9 = for the siren time

?? = event that triggers PGM:

00 = activation by telephone (only PGM1 and PGM2)

01 = password activation

02 = system activation

03 = system deactivation

04 = event reporting

05 = failure to report events

06 = telephone line outage

07 = cut or short-circuit of the siren wire

08 = trigger or panic

09 = trigger or silent panic

10 = fire zone triggering

11 = opening of zone 01

12 = remote control

13 = PGM 1, PGM2 and PGM3 acting as siren

3.22. Choice of partition to activate PGMs 1, 2 and 3 at system startup and shutdown (as of version 2.10).

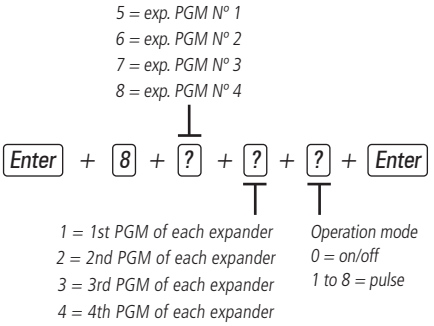
Enter + 67 + 1, 2 or 3 + Enter

Key 1	Partition A
Key 2	Partition B
Key 3	Partition C
Key 4	Partition D

3.23. PGM outputs of PGM expanders

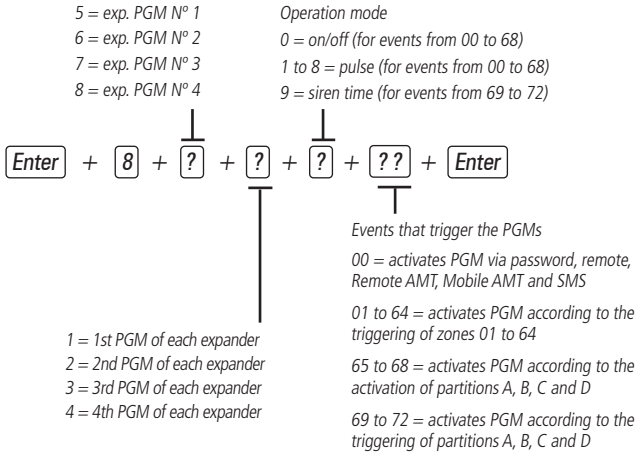
(Only for AMT 4010 Smart/AMT 4010 Smart NET version prior to 1.3.0)

To enable the expanders´ PGMs 4 to 19, type:



3.24. PGM outputs of PGM expanders (as of version 1.3.0)

To program the expanders' PGMs 4 to 19, type:



3.25. Clearing low battery and bus trouble indication

Enter + Cancel + Enter

3.26. Editing XAT 2000 LCD/XAT 4000 LCD keyboard messages

Note: From version 3.30 onward of the AMT 4010 SMART and AMT 4010 SMART NET, it will not be possible to edit the center's messages. Editing will only be possible through the Remote AMT or the Remote AMT App.

Enter + ? + Activate + ?? + Enter

? = 1 name of the alarm center

? = 2 users

? = 3 zones

? = 4 bus devices

? = 5 wireless panic user

? = 6 wireless fire user

? = 7 editable message

?? = user, zone or bus device:

?? = 00 center's name

?? = from 00 to 61 users

?? = from 01 to 64 zones

?? = from 01 to 18 bus devices

?? = from 01 to 16 wireless panic users

?? = from 01 to 16 wireless fire users

?? = from 01 (line 1) to 02 (line 2) editable message

3.27. Keyboard Messages Reset

Note: *From version 3.30 onward of the AMT 4010 SMART and AMT 4010 SMART NET, it will not be possible to reset the center's messages.*

Enter + ? + Cancel + Enter

? = Message Group:

? = 2 users

? = 3 zones

? = 4 bus devices

? = 5 wireless panic user

? = 6 wireless fire user

3.28. General Configuration

Enter + 51 + ? + Enter + select function + Enter

? = function group 0 to 5

Obs.: *the Call back and Secretary Override functions have been removed as of version 5.0.*

Key	Function group = 0	Function group = 1	Function group s = 2	Function group = 3	Function group = 4	Function group = 5
1	Partitioning	*Silent Panic by key 0*	Reset block	Sirene cut sensor	Call back	Auxiliary output overload
2	One key activation	*Audible Panic by key 2*	Remote control block	Siren short-circuit sensor	Secretary override	Bus device problem

Key	Function group = 0	Function group = 1	Function group s = 2	Function group = 3	Function group = 4	Function group = 5
3	Siren beep on activation/ deactivation	Medical emergency by *key 5*	Keyboard lock if wrong password	Telephone line cut-off sensor	Real-Time Reporting	Siren problem
4	Activation with open zones	Fire panic by *key 8*	Blocks access via telephone		Report battery voltage	Telephone line cut-off
5	6-digit password	Maintenance request by *Enter* key	Blocks resend of activation problems		Do not report failures when informing event	Sensor wiring sabotage
6	Auto activation of partition A	Backlight always on	Blocks low battery detection of the center	Auto activation of partition C	Do not report wrong password	Do not generate triggers
7	Auto activation of partition B	Indication of problems by siren	Blocks clock display	Auto activation of partition D	Periodic test by phone only	SF low battery signaling (beeps)
8	Clear trigger remote control	Automatic cancellation by zone opening	Blocks battery protection	Hide editable message on keyboard	Disable beep and input/output timing	

3.29. Monitoring configuration

Periodic test by time schedule

Enter + 470 + HH + MM + Enter

HH = two-digit time in 24h format

MM = two-digit minutes

Cancel periodic test by time schedule

Enter + 471 + Cancel + Enter

Periodic testing by time interval

Enter + 471 + ??? + Enter

??? = time between tests, from 001 to 255 hours

If ??? = 000 disables periodic testing by time interval

Program monitoring account

Enter + 15 + ? + ???? + Enter

? = 0 -> account belongs to partition A or the system is not partitioned

? = 1 -> account belongs to partition B

? = 2 -> account belongs to partition C

? = 3 -> account belongs to partition D

???? = 4-digit account number

Monitoring account in hexadecimal

Enter + 15 + ? + Activate + Enter

? = 0 account belongs to partition A or the system is not partitioned

? = 1 account belongs to partition B

? = 2 account belongs to partition C

? = 3 account belongs to partition D

Reset of pending events

Enter + 16 + Enter

Blocking the sending of partition 00 to the monitoring company

Enter + 51 + 5 + Enter + check option 8 + Enter

Enable profile 1 or profile 2 for reporting events over the phone line

To enable profile 1, type:

Enter + 51 + 3 + Enter + check option 5 + Enter

To enable profile 2, type:

Enter + 51 + 3 + Enter + uncheck option 5 + Enter

Forced answer

Enter + 14 + Enter

Reporting Mode

Enter + 17 + A + B + C + Enter

A = 0 = deactivated

1 = regular telephone

2 = split telephone

3 = double telephone

4 = regular IP

5 = split IP

6 = double IP

7 = double mix

8 = DX-Net/Radioenge radio

B = telephone protocol 1

C = telephone protocol 2

Note: the Split Telephone, Split IP and Double Mix functions have been removed as of version 5.0.

The following numbers apply to B and C parameters

0 = *Contact-id*

1 = *Programmable Contact-id*

2 = Adenco Express

Note: the Adenco Express and Programmable Contact-ID functions have been removed as of version 5.0.

3.30. Configuration of call answering for download/upload

Enter + 12 + ?? + Enter

?? = number of rings from 00 to 20

Commands for telephone programming

Enter + 10 + ? + (tel. with up to 20 digits) + Enter

? = memory from 1 to 8

Deleting a telephone number

Enter + 10 + ? + Cancel + Enter

? = memory from 1 to 8

Programmed telephone test

Enter + 11 + ? + Enter

? = memory from 1 to 8

Interrupt programmed telephone test

Enter + 11 + Enter

Programming the number of rings to answer

Enter + 12 + ?? + Enter

?? = 2-digit number of rings from 00 to 20

Number of attempts to report an event

Enter + 13 + ? + Enter

? = number of attempts from 1 to 9

Level of the generated DTMF signal

Enter + 18 + ? + Enter

? = 0 = level 0 (low)

1 = level 1

2 = level 2 (standard)

3 = level 3

4 = level 4

5 = level 5 (high)

Configuration for internet/GPRS operation

Note: to be able to use the following features you need to install the XEG 4000 Smart, XG 4000 Smart or XE 4000 Smart module (optional).

Communication priority

Enter + 19 + ? + Enter

? = 0 - Ethernet

1 - GPRS

2 - Ethernet - GPRS

3 - GPRS - Ethernet

Note: function 3 GPRS - Ethernet has been removed as of version 5.0.

Destination IP address

Enter + 801 + ? + Enter + edit the address + Enter

? = 1 - IP address 1

2 - IP address 2

Port

Enter + 802 + A + BBBB + Enter

A = 1 - port 1

2 - port 2

BBBB = port number

Destination domain name (DNS)

Enter + 803 + ? + Enter + edit the DNS + Enter

? = 1 - address 1

2 - address 2

Options for IP monitoring

Enter + 830 + Enter + select the keys + Enter

Key *1*	Enables sending events to the monitoring company 1
Key *2*	Enables sending events to the monitoring company 2
Key *3*	Enables the domain name (DNS) of the monitoring company 1
Key *4*	Enables the domain name (DNS) of the monitoring company 2
Key *7*[1]	Enables the sending of events to Guardian on server 1
Key *8*[1]	Enables the sending of events to Guardian on server 2

[1] Only valid for AMT 4010 SMART and AMT 4010 SMART NET as of version 3.00 and 2.00 of XEG 4000 SMART.

Viewing the center's MAC

Enter + 811 + Enter

3.31. Local Ethernet Configuration

IP address of the center

Enter + 8120 + Enter + edit the address + Enter

Network mask

Enter + 8130 + Enter + edit the mask + Enter

Gateway

Enter + 8140 + Enter + edit the gateway + Enter

DNS servers for Ethernet

Enter + 815 + ? + Enter + edit the server + Enter

? = 1 - server 1

2 - server 2

Note: helps with connection stability.

Ethernet heartbeat interval (link test)

Enter + 816 + ??? + Enter

??? = Three-digit interval from 001 to 020 minutes

Note: the center, from version 5.0 onwards, generates the following event when a Connection Failure and Restoration occurs.

Device	Event	Index
Eth IP 1	1 361 - ETH Keep Alive failure	1
Eth IP 2	3 361 - ETH Keep Alive Restoration failure	2

Ethernet channel options (enable DHCP)

Enter + 831 + Enter + select key 1 + Enter

3.32. Configuration for GPRS (General Packet Radio Service)

Login

Enter + 822 + ? + Enter + edit login + Enter

? = 1 - operator 1

2 - operator 2

Operator	Login
TIM	tim
Claro	claro
Vivo	vivo
Oi	oi

Password

Enter + 823 + ? + Enter + edit the password + Enter

? = 1 - operator 1

2 - operator 2

Operator	Password
TIM	tim
Claro	claro
Vivo	vivo
Oi	oi

APN

Enter + 824 + ? + Enter + edit the APN + Enter

? = 1 - operator 1

2 - operator 2

Operator	APN
TIM	tim.br
Claro	claro.com.br or generic.claro.com.br
Vivo	zap.vivo.com.br
Oi	gprs.oi.com.br

PIN

Enter + 825 + A + BBBB + Enter

A = 1 - operator 1

2 - operator 2

BBBB = PIN

GPR heartbeat interval (link test)

Enter + 827 + ??? + Enter

??? = Three-digit interval from 001 to 020 minutes

Note: the center, from version 5.0 onwards, generates the following event when a Connection Failure and Restoration occurs.

Device	Event	Index
GPRS IP 1	1 360 - GPRS Keep Alive failure	1
GPRS IP 2	3 360 - GPRS Keep Alive Restoration failure	2

DNS servers for GPRS

Enter + 828 + ? + Enter + edit the server + Enter

? = 1 - server 1

2 - server 2

Note: helps with connection stability.

GPRS connection attempt interval

Enter + 829 + ?? + Enter

?? = time from 00 to 20 minutes

Note: factory default: 5 minutes.

Note: the GPRS connection attempt interval function has been set to 0 and cannot be changed as of version 5.0.

GPRS connection response timeout

Enter + 820 + ??? + Enter

??? = time from 060 to 120 seconds

Note: factory default: 090 (90 seconds).

GPRS/AMT mobile channel options

Enter + 832 + Enter + select the keys + Enter

Key *1*	Chip 1
Key *2*	Chip 2
Key *3*	SMS Sending
Key *4*	SMS Reception
Key *5*	Enables AMT Mobile

Note: » The center does not make phone calls via chip, it uses this channel only for sending SMS and GPRS connection.

» *The center does not send silent panic SMS.*

» *As of version 3.00 AMT 4010 SMART and AMT 4010 SMART NET it will not be possible to disable AMT Mobile.*

» *The SMS sending and SMS receiving functions have been removed as of version 5.0.*

Select SMS events

Note: The Select SMS Events Function has been removed as of version 5.0.

Enter + 833 + Enter

Key *1*	SMS on activation
Key *2*	SMS on activation
Key *3*	SMS for triggers (will send only the first trigger that occurs))
Key *4*	SMS activation/deactivation by the duress password

Telephone for SMS

Note: the Phone for SMS function has been removed as of version 5.0.

Enter + 84 + ? + Enter + 20-digit phone number + Enter

? = memory 1 to 5

Deleting a telephone number for SMS

[Enter] + [84] + [?] + [Cancel] + [Enter]

Memory N° from 1 to 5

Note: *the function* Delete a Telephone Number for SMS *has been removed as of version 5.0.*

3.33. Functions via SMS

SMS messaging

Note: the SMS Messaging function has been removed as of version 5.0.

It is not necessary to configure GPRS (login, APN or password) of the chip for the *SMS* function to work.

3.34. Temporary master and installer password reset

1. Disconnect the center from the AC mains and the battery;
2. Short-circuit the terminals where the siren is connected;
3. Connect the center to the AC mains;
4. For 30 seconds the master password will reset to *1234* and the installer password will reset to *9090*.

3.35. Reset by programming mode

Enter + 0000 + Enter

This command deletes all settings from the center, except wireless devices and LCD keypad messages.

Note: this command deletes only messages such as Alarm Center Name and Editable Message (line 1 and line 2).

3.36. Bootloader

This feature is an option to update the center´s software using a USB AB cable (not supplied by Intelbras) connected to the computer. This update must be performed by a qualified person, before using it, consult Intelbras technical support to download the *Bootloader Wizard App* software and also to learn how to use this feature.

Attention: Wireless communication technology, when exposed to environments with high power radiation, can suffer interference and have its performance impaired, for example: locations near TV towers, AM/FM radio stations, amateur radio stations, etc. It is advised to use mixed connections for increased safety.

3.37. Bus device recognition (as of version 5.0)

Every time the center is powered on, it checks which bus devices are present. For each device found, it generates event 3 531 - Bus device addition along with its index, similar to the table below.

Device	Event	Index
XAT 1 to 4	3 531 – Adding a device on the bus	1 a 4
XAR 1 to 4	3 531 – Adding a device on the bus	5 a 8
XEP 1 to 4	3 531 – Adding a device on the bus	9 a 12
XEZ1 to 4	3 531 – Adding a device on the bus	13 a 18

Note: this event is generated once, and occurs when the center is turned on.

Warranty Terms

It is hereby expressly stated that this contractual warranty is conferred under the following conditions:

Name of client:

Client Signature:

Invoice Nº:

Date of purchase:

Model: Serial Nº:

Retailer:

1. All parts, pieces and components of the product are guaranteed against eventual manufacturing defects, which they may eventually present, for a period of 1 (one) year - this being 90 (ninety) days of legal guarantee and 9 (nine) months of contractual guarantee -, as from the date of purchase of the product by the Consumer, as shown on the invoice for the purchase of the product, which is an integral part of this Term throughout the entire national territory. This contractual warranty includes the free replacement of parts, pieces, and components that present manufacturing defects, including the expenses for the labor used in this repair. If no manufacturing defect is found, but defect(s) arising from improper use, the Consumer will bear these expenses.
2. The product's installation should be done according to the Product Manual and/or Installation Guide. If your product requires installation and configuration by a qualified technician, look for a competent and specialized professional, considering that the costs for these services are not included in the product's price.
3. Once the defect is confirmed, the Consumer must immediately contact the nearest Authorized Service listed by the manufacturer - only these are authorized to examine and repair the defect during the warranty period foreseen herein. If this is not done, this warranty will be void, since it will be characterized as a violation of the product.
4. In the event that the Consumer requests home assistance, he or she must go to the nearest Authorized Service to inquire about the technical visit fee. If it is necessary to remove the product, the resulting expenses, such as transportation and security costs to and from of the product, will be the responsibility of the Consumer.

5. The warranty will totally lose its validity in the occurrence of any of the following hypotheses: a) if the defect is not of manufacturing, but caused by the Consumer or by third parties not related to the manufacturer; b) if the damage to the product comes from accidents, disasters, nature agents (lightning, flooding, landslides, etc.), humidity, voltage in the electrical network (overvoltage caused by accidents or excessive fluctuations in the network), installation/use in disagreement with the user's manual or resulting from the natural wear and tear of the parts and components; c) if the product has suffered chemical, electromagnetic, electrical or animal (insects, etc.) influence; d) if the product's serial number has been tampered with or scraped; e) if the device has been breached.
6. This warranty does not cover loss of data, therefore it is recommended, if relevant to the product, that the Consumer make a regular backup copy of the data on the product.
7. Intelbras is not responsible for the installation of this product, nor for any attempts of fraud and/or sabotage on its products. Keep the software updates and applications used up-to-date, if relevant, as well as the network protections required for protection against intrusions (hackers). The equipment is guaranteed against vices within its normal conditions of use, and it is important to be aware that, because it is an electronic equipment, it is not free of frauds and scams that may interfere with its correct operation.
8. After its useful lifespan, the product must be delivered to an Intelbras authorized service center or directly disposed of in an environmentally appropriate manner, avoiding environmental and health impacts. If you prefer, the battery as well as other Intelbras brand electronics without use, can be discarded at any Green Eletron collection point (manager of electro-electronic waste with whom we are associated). If you have any questions about the reverse logistics process, please contact us by phone (48) 2106-0006 or 0800 704 2767 (Monday to Friday from 8am to 8pm and on Saturdays from 8am to 6pm) or by e-mail suporte@intelbras.com.br.
9. LGPD - General Personal Data Protection Law: this product processes personal data and Intelbras has access to the data in this product under the terms of the Privacy Policy.

As these are the conditions of this supplemental Warranty Term, Intelbras S/A reserves the right to alter the general, technical and aesthetic characteristics of its products without prior notice.

All images in this manual are illustrative.

Product benefited by the Informatics Law.

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talk to us

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Support via chat: chat.intelbras.com.br
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