

English

**intelbras**

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Installation/User Guide

**AMT 8000**



## AMT 8000

### Alarm center

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

The AMT 8000 wireless alarm panel has advanced technology and is easy to program. Due to its differentiated technology, the following wireless devices exclusive to this control panel can be connected: XAC 8000 remote control, XAS 8000 wireless magnetic sensor, IVP 8000 Pet wireless passive sensor, IVP 8000 Pet Cam wireless passive sensor, siren without XSS 8000 wire, wireless keyboard for XAT 8000 alarm panels, REP 8000 RF range amplifier, PGM 8000 wireless actuator and also the TX 8000 universal transmitter with all devices exchanging information with encryption for greater system security. In addition to several safety devices such as tamper against removal of the installation surface and tampering with devices and with long-lasting batteries. This panel has 16 partitions, 8 memories for telephone numbers, Panic function, Emergency function, intelligent battery charger with protection against short circuit or polarity inversion, timing and sensor test function. The system has differentials such as communication of high performance wireless devices (bidirectional) with a range of up to 1000 meters with an open field view, GPRS type connections, telephone line, Ethernet and Wi-Fi connection to provide greater ease for system monitoring and verification. Reports events to 2 IP destinations (monitoring companies) with remote configuration option via TCP / IP and also by telephone line. In addition to these accesses, verification / access through the Intelbras Cloud does not restrict the use of the 2 IP reporting destinations. The switch is already directed to the Intelbras Cloud initially using the random remote access password indicated together on the QR Code tag that also contains the MAC.

The AMT 8000 central has automatic software update, and in the case of availability of new versions it is not necessary to use recorders or connection to computers to be updated, downloading the new version through Ethernet or Wi-Fi connections.



This equipment must be connected to a grounded (three-prong) electrical outlet, in accordance with the ABNT NBR 5410 electrical installation standard, to ensure user safety against electric shocks.



ATTENTION: this product comes with a factory default password. For your security, it is essential that you change it as soon as you install the product and ask your technician about the passwords set, which users have access and the recovery methods.

## Care and security

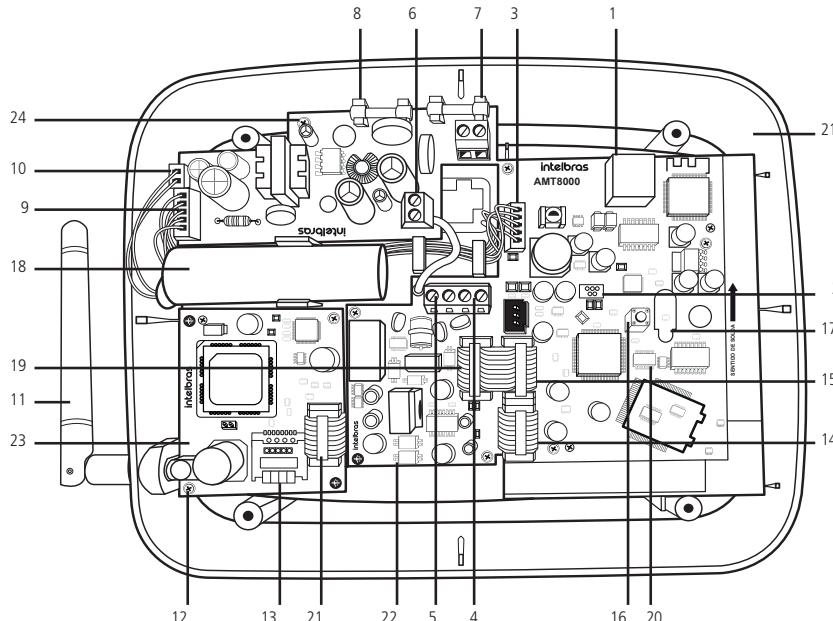
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- » Follow all instructions in the manual/guide for product installation and handling.
- » Perform the installation in environments not susceptible to factors such as rain, fog and splashes of water.
- » Wireless communication technology, when exposed to environments with high power radiation, may suffer interference and have its performance impaired. Example: locations near TV towers, AM/FM radio stations, amateur radio stations, etc.
- » Do not install the alarm center for air conditioning or heating equipment.
- » Do not expose directly to sunlight.
- » Clean only the external part of the device, using only a damp cloth (do not use chemical solvents).
- » Do not subject the device to excessive pressure or knocks/falls.
- » Do not cover the device with adhesives, paper or inks.
- » Confirm that the installation site is stable and appropriate.
- » Only perform configurations and installations by qualified personnel.
- » Perform periodic tests on it to validate weather conditions, battery level and other factors so that the site supervised by the system is always able to operate properly.
- » LGPD - General Law for the Protection of Personal Data: Intelbras does not access, transfer, capture, or perform any other type of treatment of personal data from this product.

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# 1. Installation



1. Connector for network cable (Ethernet).
2. Mini-USB type connector for alarm center firmware update.
3. Power supply flat cable input.
4. Input connector for telephone line.
5. Output telephone connector.
6. Connector for grounding on the power supply (ground).
7. Power supply AC input (switched full range –90 to 265 Vac).
8. Protection fuses (2 fuses 250 Vac/400 mA).
9. Flat cable connector for DC output from power supply.
10. Input connector for two-way battery cable.
11. External GSM antenna (included with the module).
12. Connector for the external antenna of the GPRS module.
13. Connector for SIM card 1 and SIM card 2.
14. Connector of the alarm center board to connect the GPRS module.
15. Connector of the alarm center board to connect the FXO 8000 telephone line module.
16. Key for registering wireless devices.
17. Alarm center CPU board indicator LED.
18. 3.7 V battery.
19. Flat cable connector to output the telephone line signal to the alarm center board.
20. Pin-type connector (2 x 5-way) for firmware update of the alarm center.
21. CPU board of the AMT 8000 alarm center.
22. CPU board of the FXO 8000 telephone line module.
23. GPRS module CPU board (XAG 8000 / XAG 8000 3G / XG 4G<sup>1</sup>).
24. XFT 8000 power supply board.

**Note:** the XAG 8000, XAG 8000 3G, and XG 4G<sup>1</sup> modules are compatible with most national GSM operators with 2G, 3G, and 4G technology.

<sup>1</sup> The XG 4G module is compatible with the alarm control panel from version 2.3.7 onwards.

**Warning:** the AMT 8000 alarm system does not have an auxiliary output to feed other devices and no connection point must be used on the alarm center boards (center, GPRS board, telephone line board or source) for this functionality, because in addition to damaging the AMT 8000 alarm center and its accessories, it may damage the devices that are connected due to the alarm center operating at varying voltages.

## 2. Operation

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### 2.1. Display LCD XAT 8000

The following icons are located on top of the XAT 8000 LCD display:

- » : if this icon is flashing, it indicates that a problem has been detected.
- » : will light up whenever the siren is triggered.
- » : when the icon is light up, the central unit is in programming mode.
- » **Bateria:** indicates the battery status of the alarm center.

### 2.2. Display of problems

If there is a problem in the center unit, the icon  *Problem* on the XAT 8000 LCD keyboard will flash. If any problem is detected, press the up or down arrow keys on the XAT 8000 keyboard to view them. To end the display, press the *Exit* key.

### 2.3. Activating/deactivating the alarm center

The alarm center can be activated and/or deactivated in different ways, depending on your settings. For any of the ways to activate the system, except for the remote control, with the output time different from zero, after entering the password, the keyboard will beep at intervals of 1 second. In the last five seconds of the timer, these beeps will become faster to indicate that the output time is at the end. Once the exit time is over, the siren will beep (if programmed) indicating that the center unit is activated.

#### Warning:

- » For some programming of the alarm center and also to activate it, it is necessary to use the 4-digit master password, indicated on the QR Code label inside the center unit. This password can be changed as treated in the fields below.
- » If the central system is reset, it will no longer use the random passwords that are linked together with the QR Code label attached inside the center unit and will use password 1234 as the master password and password 878787 as remote access until they are changed again.

#### Activating/deactivating on non-partitioned systems

- » **Full mode activation:** to activate the system completely, enter a valid password on the XAT 8000 keyboard, for example, the master password. To know if the center unit is activated just slide the cover of the keyboard and see the message, if the center unit is activated the following message will be shown: Alarm activated, otherwise Alarm deactivated will be displayed.
- » **Activation by one key:** if the function Activation by one key is enabled, keep the Active key pressed until the keyboard beeps (+/- 3 seconds) to activate the system in Full mode. The output timing will start to exit the protected area. All partitions will be activated in the case of a partitioned center, if a common keyboard is used, and in the case of a keyboard with permissions for partitions, only these partitions will be activated. This procedure does not allow you to deactivate the system.
- » **Deactivating the system:** to deactivate the system, enter a valid password, for example, the master password. After entering the password, the center unit will be completely deactivated and the deactivated Alarm information will be displayed.

The zones, which must be passed until the keypad is reached, must be programmed as input timers or as followers so that the alarm does not go off immediately when the keypad access path is violated/accessible. After entering the protected area by an input time zone, the input timing will start and the user must enter a valid password on the keyboard before the timing ends, to avoid triggering the alarm and reporting the corresponding events.

## Activating/deactivating on partitioned systems

### » Activation by master password or full password

- » **All partitions:** enter the password, the output timing will start and at the end, all partitions will be activated.
- » **Only desired partition:** press the *Active key + (01 to 16 - Partition) + Password*. The output timing will start and at the end, the partition chosen in the interval of (01 to 16) will be activated.
- » **Activation in Night mode (Stay):** to activate Night mode, type *Partial + Password*. The output timing will start and the keyboard will beep at intervals of 1 second.

**Note:** only the master password and passwords with permission to activate Night mode (Stay) enabled can activate the system in Night mode.

### » Deactivation by master password or full password

- » **All partitions:** enter the password and all partitions will be deactivated.
- » **Only desired partition:** press the *Deactivate key + (01 to 16 - Partition) + Password* and the chosen partition in the interval of (01 to 16) will be deactivated.
- » **User-specific password activation/deactivation:** specific passwords can be programmed to activate/deactivate a partition (from 01 to 16). In this case, simply enter the password to activate/deactivate the corresponding partition. On activation, the output timing will start and the partition will be active at the end of the programmed time. On deactivation, the keyboard must be accessed through a time zone if necessary and enter the password before the end of the programmed time so that there is no triggering and reporting events.
- » **Remote control activation/deactivation:** the control is factory set so that button 1 only deactivates the center unit, button 2 only activates and button 3 disabled. The remote control will have the same permissions as the user password it is associated with (user 00 to 97).

## 2.4. Menu

The alarm center has a Menu function to make it easier to view the status and perform some commands. When accessing one of the options if you want to return to the main Menu press the Back or Exit key to go to the home screen.

» **Bypass:** through this function you can temporarily bypass one or more zones. With this function activated, the zones that are bypassed during the next activation will not generate system triggering if they are violated. After the system is deactivated, the zones that were bypassed will return to normal configuration. Only the master password user and users with bypass permission can temporarily bypass a zone. This function must be programmed no more than 30 seconds before the system is activated, otherwise the operation will be canceled. The procedure for temporarily bypassing a zone is as follows:

- » With the system deactivated and out of programming mode, press the *Menu* key.
- » With the marker in the bypass position, press the *Enter* key.
- » Use the numeric and directional keys on the keyboard to select which zones will have bypass active (01 to 64).
- » Press the *Enter* key to confirm the bypassing of the selected zones.
- » Enter the master password or a password with permission to bypass zones.
- » If an invalid password is entered, the message *Error incorrect password* will be displayed and the keyboard will continue to display the zones to be bypassed until a valid password is entered or the 30 second time limit is exceeded. If a password is entered without bypass permission, the message *No permission to bypass sensor* will be displayed and the operation will be canceled immediately.
- » To cancel the operation, press the *Exit* key before entering the password.
- » To reset a zone for more than 30 seconds before activation, enter programming mode (*Enter+Password*) using a password with bypass permission and perform the first 4 steps described above. The next time the system is activated, the bypass will run, even if the user who activated it does not have permission to bypass.

- » **Open sensors:** in normal operation mode or if there are open zones, the XAT 800 keyboard will display the status of the center unit. To view the currently open zones, press the Menu key and then access Open sens. and press the Enter key. Outside the programming mode, if the 1 + Enter key is pressed, the zones from 1 to 10 will be displayed, the 2 key will display the zones from 11 to 20 up to the 7 key, which displays the zones from 61 to 64. The status of the sensors in their respective zones will be displayed, distributed in divisions of 10 zones. To change the zone group, press the directional keys down or up, for example, to access zones 41 to 50, press the down key on the keyboard until the number in front of the first frame appears, making the number 4 referring to zone 41 and so on, making the number 5 referring to zone 50. Group 1 will represent zones 1 to 10, group 2 the zones 11 to 20 and so on up to the zones in group 6, thus demonstrating the status of zones 1 to 64. To facilitate the interpretation of this form of zone status identification (open or closed), below the sensor numbering a marker will be displayed that when empty (□) the zone is closed/not violated and when filled (■) the zone is open/violated.
- » **Trigger sensors:** when the center unit is active, sensors that are violated (disregarding bypass sensors) will generate triggers when reporting events, and the display screen will show the information with the alternating status of the center unit (Alarm Activated or Alarm Deactivated). Press Menu, using the directional keys leave the marker in Trigger sens. and press Enter. Use the directional keys to navigate between the sensors/zones of the alarm center to check which sensors generated triggering.
  - » Empty frame (□) zone closed/non-violated.
  - » Filled frame (■) zone opened/violated.
- » **Partitions:** the enabled partitions will be shown in the center unit and their respective status. Press Menu, with the directional keys, leave the marker in Partitions and press Enter. Use the directional keys to navigate between the alarm center partitions to check their status, and the display shows Activated: the partition is activated and when Deactivated: the partition is deactivated.
- » **Connections:** the status of connections for reporting events via IP to monitoring services will be displayed. Press *Menu*, with the directional keys leave the marker in Connections and press *Enter*.
  - » **Eth:** empty frame (□): not connected to destination/filled frame (■): connected to destination.
  - » **GPRS:** empty frame (□): not connected to destination/ filled frame (■): connected to destination.
- » **Cloud:** will display whether the center is connected to Intelbras Cloud for remote access and settings through our applications and what type of access is being used, and in case of use of an Ethernt or Wi-Fi network the Eth. marker will remain marked. If the GPRS connection is being used the marker will remain marked.
  - » **Eth:** empty frame (□): not connected to Intelbras Cloud/filled frame (■): connected to Intelbras Cloud.
  - » **GPRS:** empty frame (□): not connected to Intelbras Cloud/ filled frame (■): connected to Intelbras Cloud.
- » **GPRS signal:** will display the operator's signal level in percent, where square 1 represents level less than or equal to 10% and square 0 represents 100%. The filled mark corresponds to the active sign and empty mark to the one without sign referring to the level in 10 divisions.

Press *Menu* with the directional keys, leave the marker in GPRS Signal and press *Enter*.

- » When the GPRS function is disabled, do not consider this function.
- » **Wireless signal:** will display the operator signal level as a percentage of the wireless devices registered to the center unit. Press *Menu*, using the directional keys, leave the marker in Wireless Signal and press *Enter*. Wireless signal from the following devices may be displayed.
  - » **Sensors:** devices registered to center unit at addresses 01 to 64. To visualize the signal of the sensors with the marker on it, press *Enter* and after with the arrow keys switch between the sensors.
  - » **Keyboards:** devices registered to the center unit at addresses 01 to 16. To visualize the signal of the keyboards with the marker on it press *Enter* and after with the arrow keys switch between the keyboards.
  - » **Sirens:** devices registered to the center unit at addresses 01 to 16. To display the siren signal with the marker on it, press *Enter* and then use the arrow keys to switch between the sirens.
  - » **Actuators:** devices registered at the control panel at addresses 01 to 16. To view the signal from the PGM 8000 actuators with the marker on it, press *Enter* and then, with the directional keys, switch between the actuators.
  - » **Repeaters:** devices registered at the exchange at addresses 01 to 04. To view the signal from the repeaters with the marker on it, press *Enter* and then, with the directional keys, switch between the repeaters.

The signal level will be displayed as percentage, where the number 1 represents a level less than or equal to 10% and the frame 0 represents 100%. The filled mark corresponds to the active sign and empty mark to the one without sign referring to the level in 10 divisions.

- » **MAC ADD:** will display the MAC address of the alarm center. The MAC address will display with 12 digits between numbers and letters. Through this address, the center unit will connect to online servers.

- » **Center version:** will display the alarm center version. » Keyboard version: will display the version of the keyboard used.
- » **Test mode:** will perform the wireless signal test of the keyboard used with the registered center unit. Press *Menu*, with the arrow keys, leave the marker in Test Mode and press *Enter*.  
The test will start, showing the information Signal Test and at the end the result, which can be Excellent, Good or Weak.
- » **Battery voltage:** will display the battery voltage of the keyboard.

## 2.5. Automatic update

The AMT 8000 center has an automatic software update, and in case new versions are available, it is not necessary to use recorders or connect to computers to be updated, downloading the new version through Ethernet or Wi-Fi connections. When the version update is performed, the registration of the wireless devices or saved configurations will not be lost.

**Warning:** the software version update of the center unit is a programming and it is recommended that it is done by a qualified professional with access to the programming mode of the AMT 8000 alarm center (necessary commands contained in the programming).

## 3. Going into programming mode

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**Note:** for modification of technical parameters of your alarm center, it is recommended to contact a qualified technician.

### 3.1. Going into programming mode

To change any of the center's operating parameters, you must always go into the programming mode. To do this, enter the following sequence:

*Enter + Password*

- » Press the *Enter* key, the Prog. password message will be displayed indicating that the center unit is waiting for the master password or the installer password to be entered.
- » Enter the master password.
- » After entering the password, the P icon on the display will be illuminated indicating that the center unit is in programming mode.

**Note:** to edit a parameter on the XAT 8000 keyboard, place the cursor at the desired position, and enter the desired value. If the memory is empty, the second line will be deleted. To delete a digit, press the *Back* key. To cancel the operation, press the *Exit* key. If the keypad fails to receive any programming sequence for three minutes, the center unit will return to its Rest mode. If a programming command is accepted, two confirmation beeps will be emitted, otherwise a long error beep will be emitted.

### 3.2. Exiting programming mode

To exit programming mode, enter the master password or the installer password (same password used to access programming mode).

## 4. Quick programming reference

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This quick reference considers that the central is in programming mode and assumes the reading of the complete manual and awareness of the result of each function.

Manual available at [www.intelbras.com.br](http://www.intelbras.com.br).

When accessing the programming mode, editing or viewing some programming through the keyboard, if the sequence or password is accepted, 2 confirmation beeps will be emitted, otherwise a long error beep will be emitted, in which case the insertion of the password or command must be started again.

### 4.1. Wireless devices

#### Attention!

If during the wireless device registration process the device LED flashes red, press the device sync button for 15 seconds (for the XAC 8000, keep the top 2 buttons pressed) and restart the registration process.

## Registration by synchronization key

Press and release the synchronization key of the alarm center and wait for LED 3, located near this key to be continuously illuminated, indicating that the center is ready for the registration of wireless devices. When the registration of all devices is complete, press the synchronization key of the alarm center again and check if LED 3 is back to Pulsed mode (flashes indicating its normal operation), showing that the center has left the wireless device registration mode.

- » **Wireless keyboards (addresses 01 to 16):** with the function active on the center unit, press the synchronization key on the keyboard located at the back (remove the bracket for fixing on surfaces). The keyboard addressing will be according to the sequence performed, respecting the maximum limit of 16 devices of this type. To delete a keyboard registered to an alarm center, keep the synchronization key of the device pressed for 20 seconds until the information Keyboard not registered is shown on its display.
- » **Remote controls (addresses 00 to 97):** the registration of controls follows the principle similar to keyboards, however any one of the keys of the control can be used to perform the registration. Each registered control will be associated to the user according to the registration sequence. To delete a registered control from an alarm center, hold the keys in positions 1 and 2 (following vertical orientation) of the device for 10 seconds until the LED flashes twice in red.
- » **Wireless sensors (addresses 01 to 64):** follow the same principle as the other devices, however each sensor will be associated to a zone of the center unit according to the registration sequence, starting with sensor 01 (corresponds to zone 01) up to sensor 64 (corresponds to zone 64). With the function active in the center unit, press the synchronization key on each sensor that you want to synchronize according to its models. To delete a registered sensor from an alarm center, hold down the synchronization key on the device for 20 seconds until the LED flashes red twice.
- » **Wireless sirens (addresses 01 to 16):** follow the same principle as the other devices, with the synchronism function active in the center unit, press the synchronization key on the back of the siren (remove the bracket for fixing on surfaces) and check if the LED flashes green indicating success in the registration, if the LED flashes red there was any failure and the process must be repeated. The siren addressing will be according to the sequence performed, respecting the maximum limit of 16 devices of this type. To delete a registered siren from an alarm center, hold down the synchronization key on the device for 20 seconds until the LED flashes red twice.
- » **RF Range Amplifier (Repeater REP 8000 addresses 01 to 04):** follows the same principle of the other devices, with the synchronization function active on the control panel, press the synchronization key on the back of the repeater (remove the base to fix in surfaces and turn on the power supply of the same, because for it to be initialized the source must be turned on) and check if the LED will flash green, indicating the success in the registration, if the LED flashes red there was a failure and the process must be repeated. The repeater will be addressed according to the sequence performed, respecting the maximum limit of 04 devices of this type.
- » **Wireless PGM actuators (addresses 01 to 16):** follows the same principle as other devices, with the synchronization function active on the control panel, press the synchronization key on the back of the actuator (remove the base for fixing to surfaces) and check if the LED will flash green, indicating success in the registration, if the LED flashes red there was a failure and the process must be repeated. The actuator will be addressed according to the sequence performed, respecting the maximum limit of 16 devices of this type. To delete an actuator registered in the control panel, press and hold the device's synchronization key for 10 seconds until the LED flashes red twice.

**Note:** when deleting the devices physically, they must be deleted from the center unit memory via programming. Otherwise, a wireless device supervision failure will be generated.

## Keyboard commands for wireless devices

### Keyboard

#### » Change system language

Enter + 854 + I + Enter

- » I = 0: Portuguese
- » I = 1: Spanish
- » I = 2: English

**Note:** functionality available from version 1.0.1 of the XAT 8000 keyboard and Version 1.2.3 of the AMT 8000 control panel.

#### » Wireless keyboard registration

Enter + 620 + NT + Enter + Activate the keyboard by pressing the synchronization key.

NT = keyboard number from 01 to 16.

#### » Deleting wireless keyboards

Enter + 720 + NT + Enter.

## » Wireless keyboard partition

Enter + 223 + NT + PP + Enter.

NT = keyboard address from 01 to 16.

PP = partition from 00 to 16 (00 = common address for all zones and 01 to 16 the individual center partitions).

## » Change messages

Enter + GM + Active + User, device, partition or zone + Enter.

GM = message group from 1 to 8.

User, device, partition or zone = in case of messages for zone 1 to 64, device from 01 to 16, partition from 01 to 16 and in case of user from 00 to 99.

Description	Message group	User, device, partition or zone
Name of the alarm center	1	00
Users	2	00 to 99
Zones	3	01 to 64
Partitions	4	01 to 16
PGM	4	16
Keyboards	6	01 to 16
Sirens	8	01 to 16

## » Reset messages

Enter + 1 + Deactivate + Enter.

**Note:** returns all messages from the panel to the factory default according to the selected language.

## » Panic key

Enter + 540 + P + Enter.

- » P = 0: Disabled.
- » P = 1: Audible panic.
- » P = 2: Silent panic.
- » P = 3: Fire panic.
- » P = 4: Medical emergency.

## Remote control

### » Register remote control

Enter + 60 + NU + Enter + Activate the control by pressing one of the keys.

NU = user number from 00 to 97.

### » Delete remote control

Enter + 70 + NU + Enter.

NU = user number from 00 to 97.

### » Remote control keys functions

Enter + 65 + T + NU + FC + Enter.

T = control key from 1 to 3.

NU = user number from 00 to 97.

FC = function of the key that will be linked to the selected key from 00 to 66.

00	Disabled
01	Atv/Dtv all partitions
02	Only activates all partitions
03	Only deactivates all partitions
04	Atv/Dtv all partitions in Night Mode (Stay)
05	Only activates in Night Mode (Stay)
06	Siren panic
07	Silent panic

08	Fire panic
09	Medical emergency
10	N/A
11	Atv/Dtv only Partition 1
12	Atv/Dtv only Partition 2
13	Atv/Dtv only Partition 3
14	Atv/Dtv only Partition 4
15	Atv/Dtv only Partition 5
16	Atv/Dtv only Partition 6
17	Atv/Dtv only Partition 7
18	Atv/Dtv only Partition 8
19	Atv/Dtv only Partition 9
20	Atv/Dtv only Partition 10
21	Atv/Dtv only Partition 11
22	Atv/Dtv only Partition 12
23	Atv/Dtv only Partition 13
24	Atv/Dtv only Partition 14
25	Atv/Dtv only Partition 15
26	Atv/Dtv only Partition 16
27	N/A
28	N/A
29	N/A
30	N/A
31	Atv/Dtv Night Mode (Stay) for Partition 1 only
32	Atv/Dtv Night Mode (Stay) for Partition 2 only
33	Atv/Dtv Night Mode (Stay) for Partition 3 only
34	Atv/Dtv Night Mode (Stay) for Partition 4 only
35	Atv/Dtv Night Mode (Stay) for Partition 5 only
36	Atv/Dtv Night Mode (Stay) for Partition 6 only
37	Atv/Dtv Night Mode (Stay) for Partition 7 only
38	Atv/Dtv Night Mode (Stay) for Partition 8 only
39	Atv/Dtv Night Mode (Stay) for Partition 9 only
40	Atv/Dtv Night Mode (Stay) for Partition 10 only
41	Atv/Dtv Night Mode (Stay) for Partition 11 only
42	Atv/Dtv Night Mode (Stay) for Partition 12 only
43	Atv/Dtv Night Mode (Stay) for Partition 13 only
44	Atv/Dtv Night Mode (Stay) for Partition 14 only
45	Atv/Dtv Night Mode (Stay) for Partition 15 only
46	Atv/Dtv Night Mode (Stay) for Partition 16 only
51	PGM 01
52	PGM 02
53	PGM 03
54	PGM 04
55	PGM 05
56	PGM 06
57	PGM 07
58	PGM 08
59	PGM 09
60	PGM 10
61	PGM 11
62	PGM 12
63	PGM 13
64	PGM 14
65	PGM 15
66	PGM 16

## Wireless sensors

### » Wireless sensors registration

*Enter + 61 + ZZ + Enter + Activate the sensor by pressing the synchronization key.*

ZZ = zone that will connect the sensor from 01 to 64.

### » Delete wireless sensors

*Enter + 71 + ZZ + Enter.*

ZZ = zone that will be unlinked the sensor from 01 to 64.

### » Wireless infrared sensor adjustment

*Enter + 66 + ZZ + S + L + M + Enter.*

Z = zone from 01 to 64.

S = Sensitivity from 0 to 3, where 0 = Minimum sensor / 1 = Normal sensor / 2 = Intermediate sensor / 3 = Maximum sensor.

L = Sensor LED, where 0 = Off / 1 = On.

M = Sensor operating mode, where 0 = Economical / 1 = Continuous.

**Note:** for XAS 8000 and TX 8000 the Sensitivity, Sensor LED and Operation Mode settings are allowed by the center unit, but only the LED configuration is accepted by XAS 8000 and TX 8000.

### » Wireless sensor testing

*Enter + 52 + Enter + Activate sensor.*

### » Disable sensor tamper

*Enter + 78 + X + Enter*

X = Group of zones 0 to 6

**Note:** function available from version 1.9.8 of the control panel.

### » Disable digital tamper of the IVP 8000 EX sensor

*Enter + 79 + X + Enter*

X = Group of zones 0 to 6

**Note:** function available from sensor version 2.0.0 and control unit version 2.0.0 AMT 8000.

### » IVP 8000 EX sensor digital tamper restoration

*Enter + 543 + ZZ + Enter*

ZZ = 2-digit zone number.

**Note:** function available from sensor version 2.0.0 and control unit version 2.0.0 AMT 8000.

### » Viewing the firmware of the sensors

*Enter + 641 + ZZ + Enter*

ZZ = 2-digit zone number

**Note:** function available for control unit version from 2.0.3 and sensors from of version 2.0.0. For sensors with a version lower than 2.0.0, 0.0.0 will be displayed.

## Wireless siren

### » Register wireless sirens

*Enter + 621 + NS + Enter + Activate the siren by pressing the synchronization key.*

NS = siren number from 01 to 16.

### » Delete wireless sirens

*Enter + 721 + NS + Enter.*

NS = siren number from 01 to 16.

## » Wireless sirens partition

Enter + 222 + NS + PP + Enter.

NS = siren number from 01 to 16.

PP = partition from 00 to 16 (00 = common address for all zones and 01 to 16 the individual center partitions).

## » Enable/disable siren beep on activation/deactivation system

Enter + 510 + Enter + Key 3 + Enter.

## » Enable/disable siren beep per partition

Enter + 224 + GP + Enter.

GP = group of partitions, with partitions 01 to 10 in group 0 and partitions 11 to 16 in group 1.

## » Changing the siren time

Enter + 41 + TS + Enter.

TS = siren time from 01 to 99.

**Note:** factory default 5 minutes, and if set to 00 on the command will be beeped error.

## » Register RF range amplifier (REP 8000 repeater)

Enter + 622 + NA + Enter + Activate the amplifier by pressing the synchronization key

NA = amplifier number from 01 to 04.

## » Apagar Amplificador RF de Alcance (Repetidor REP 8000)

Enter + 722 + NA + Enter

NA = amplifier number from 01 to 04.

## » Register PGM 8000 Actuator

Enter + 623 + PGM + Enter + Activate the Actuator by pressing the synchronization key.

PGM = Actuator number from 01 to 16.

## » Delete PGM 8000 actuator

Enter + 723 + PGM + Enter

PGM = Actuator number from 01 to 16.

## » PGM 8000 actuator functions

Enter + 50 + PGM + Enter + M + E + Enter

PGM = PGM number from 01 to 16

M = PGM operating mode from 0 to 9 (0 = on / off, 1 to 8 = pulse and 9 = programmed time)

E = Event that triggers the PGM from 00 to 13

00	External drive (applications)
01	Password activation (passwords from 51 PGM01 to 66 PGM16)
02	System activation
03	System deactivation
04	Medical emergency:
05	Event communication failure
06	Telephone line cut:
07	Siren problem:
08	Shooting
09	Silent shooting or panic
10	Fire zone firing:
11	Zone 1 opening
12	Remote Control
13	Timing on / off

## » Programmed time for PGM 8000 to be activated

Enter + 560 + PGM + T + Enter.

PGM = number of PGMs from 01 to 16.

T = Time from 01 to 99 minutes.

## » Days for programmed Autoactivation PGM 8000 Actuator

Enter + 836 + PGM + Enter

PGM = PGM number from 01 to 16.

After the command, using the keyboard keys, select the days of the week from 1 to 7, where 1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday and 8 = holiday and confirm with Enter.

Reset wireless devices

## » Delete all registered wireless devices

Enter + 7 + Deactivate + Enter.

<sup>1</sup> All wireless devices in the center unit, including the keyboard itself, will be unregistered.

## » RF channel change

Enter + 630 + RF + Enter.

RF = channels from 08 to 11.

Warning: when changing the channel of the alarm center, all devices registered in it (except remote control) must have the synchronization key pressed to direct the device to the new channel, otherwise, they will not communicate with the alarm center.

## 4.2. Ethernet/Wi-Fi/GPRS connection

» **Ethernet:** a RJ45 type cable must be installed on the center unit with the Ethernet signal coming from a router, switch or directly from the signal received at the installation site. It must be checked with the Internet provider if the port used allows external access.

» **Wi-Fi:** with the Wi-Fi connection enabled at the alarm center, events reporting and connections will use this way, and for this at the installation site of the center must have a router or device to send the signal with good quality (check the distance between the signal replicator device and the alarm center).

» **GPRS:** the control panel has connections for reporting events and being accessed/controlled remotely via 2G/3G/4G cellular network. For this, it is necessary to install the XAG 8000, XAG 8000 3G, or XG 4G<sup>1</sup> module with the control panel. To communicate via 2G/3G/4G, the SIM card must be enabled for a data plan. Enabling voice service is not necessary. Consult your operator to acquire the most suitable plan for the alarm control panel's data traffic.

<sup>1</sup> Compatible with alarm control panels from version 2.3.7 onwards.

## To connect to a Wi-Fi network, the following commands are required:

» Insert the name of the network to be connected

Enter + 850 + Enter + Insert network name + Enter

» Insert password of the network to be connected

Enter + 851 + Enter + Insert the network password + Enter

» Define type of network security to be connected

Enter + 852 + Enter + TP + Enter

TP = type of security.

## Enable Wi-Fi

Selection	Type of security
0	Wi-Fi disabled
1	Wi-Fi enabled / in case of AC failure, operates on battery
2	Wi-Fi enabled / only with active AC network

**In order to establish the GPRS connection of the alarm center, the following settings must be made.**

» **Enable chips**

*Enter + 832 + Enter.*

After the command, use the keys on the keyboard to enable options 1 (chip 1) and 2 (chip 2).

» **Program login**

*Enter + 822 + O + Enter, where O = 1 or 2 (Operator 1 or Operator 2)*

After the command, type the login (according to the operator used) and then press the Enter key to confirm.

» **Program password**

*Enter + 823 + O + Enter, where O = 1 or 2 (Operator 1 or Operator 2)*

After the command, type the password (according to the operator used) and then press the Enter key to confirm.

» **Program APN**

*Enter + 824 + O + Enter, where O = 1 or 2 (Operator 1 or Operator 2)*

After the command, type the APN (according to the operator used) and then press the Enter key to confirm.

» **Programming the PIN (Personal Identification Number)**

If you want to use the PIN, do the command in sequence, otherwise go to the next command. If the PIN is incorrect the chip will be blocked.

*Enter + 825 + O + 4 digit PIN number + Enter, where O = 1 or 2 (Operator 1 or Operator 2)*

**After selecting the type of connection to be used, it is necessary to perform the steps below to check/configure some points of the connection, such as checking the IP address that the center unit is operating.**

» **Switch IP address (cable connection)**

*Enter + 8120 + Enter.*

The IP of the center unit will be shown if the center unit has DHCP enabled, if the DHCP function is disabled you can manually enter the IP address for the center unit.

» **Program DHCP (cable connection)**

If you do not have a DHCP server or do not want to use this option, perform the next step, otherwise, type the following command and also the next ones.

*Enter + 831 + Enter.*

After the command, using the keys on the keyboard, enable option 1 (marking 1) and press the Enter key to confirm. To disable leave option 1 unchecked.

» **Program the netmask (cable connection)**

*Enter + 8130 + Enter.*

After the command, type the network mask number and press the Enter key to confirm.

» **Program the gateway (cable connection)**

*Enter + 8140 + Enter.*

After the command, type the network gateway number and press the Enter key to confirm.

» **Program DNS servers for Ethernet**

*Enter + 815 + S + Enter, where S = 1 or 2 (Server 1 or Server 2).*

After the command, type the number of the DNS1 server and press the Enter key to confirm.

» **Switch IP address (Wi-Fi connection)**

*Enter + 8620 + Enter.*

The IP of the panel will be shown if the panel has DHCP enabled, if the DHCP function is disabled it will be possible to manually enter the IP address for the panel.

» **Program DHCP (Wi-Fi connection)**

If you do not have a DHCP server or do not want to use this option, perform the next step, otherwise, type the following command and also the next ones.

*Enter + 831 + Enter.*

After the command, using the keyboard keys, enable option 1 (mark 1) and press the *Enter* key to confirm. To disable, leave option 1 unchecked.

#### » **Program the netmask (Wi-Fi connection)**

*Enter + 8630 + Enter.*

After the command, type the netmask number and press the *Enter* key to confirm.

#### » **Program the gateway (Wi-Fi connection)**

*Enter + 8640 + Enter.*

After the command, enter the network gateway number and press the *Enter* key to confirm.

#### » **Program DNS servers for Ethernet (Wi-Fi connection)**

*Enter + 865 + S + Enter, where S = 1 or 2 (Server 1 or Server 2)*

After the command, type the number of the DNS1 server and press the *Enter* key to confirm.

### **4.3. Remote update**

#### **To download/verify a new version**

*Enter + 9922 + Enter.*

If there is a version available for download, it will be displayed the information Download Wait and it will start, which will take about 3 to 5 minutes (variable according to the connection used). If the center unit does not have a download version, it will display *Download Failure*.

#### **Install download version**

*Enter + 9933 + Enter.*

The new version that was downloaded will be installed and registrations and programming will not be lost of the center unit. To check the software version of the center unit, access Menu and with the arrow keys access center unit Version to be displayed.

**Note:** the center unit must be connected to the Internet through the Ethernet or Wi-Fi connection present in the center unit and described in the commands/information below its settings. It is not possible to download/update software through the GPRS connection due to the connection download rate and excessive consumption of the package used.

### **4.4. Passwords**

#### **Password programming 1 (exclusive user programmer programming)**

##### » **Change passwords of users of positions 98 and 99**

*Enter + 20 + NU + PASSWORD + Enter.*

NU = user number 98 or 99.

PASSWORD = password to be programmed containing 4 or 6 digits.

##### » **Delete user password from position 98**

*Enter + 20 + 98 + Enter.*

<sup>1</sup> The password of position 99 cannot be deleted.

Password programming 2 (exclusive programming of the master user)

##### » **Change/create passwords of users from positions 00 to 97**

*Enter + 20 + NU + PASSWORD + Enter.*

NU = user number from 00 to 97.

PASSWORD = password to be programmed containing 4 or 6 digits.

##### » **Delete password of users from positions 01 to 97**

*Enter + 20 + NU + Enter.*

NU = user number from 01 to 97.

<sup>1</sup> The password of position 00 cannot be deleted.

Permission of passwords

##### » **Set password partition permission**

*Enter + 21 + NU + GP + Enter.*

NU = user number from 01 to 96.

GP = group of partitions, with partitions 01 to 10 in group 0 and partitions 11 to 16 in group 1.

### » Set permission for activation only or bypass permission

*Enter + 2 + P + GS + Enter + Select password + Enter.*

P = set permission, 5 only active and 6 bypass permission.

GS = group of passwords from 0 to 9, with group 0 going from 01 to 10, group 1 from 11 to 20 and so on ending with group 9 from 91 to 97.

### » Set permission for Stay mode (Night)

*Enter + 221 + GS + Enter + Select password + Enter.*

GS = group of passwords from 0 to 9, with group 0 going from 01 to 10, group 1 from 11 to 20 and so on ending with group 9 from 91 to 97.

## 4.5. Zone configurations

### Enable/disable zones

*Enter + 30 + G + Enter.*

G = group of zones from 0 to 6.

After entering the command, using the keys on the keyboard, enable/disable the corresponding zones for the group and press the Enter key to confirm.

### Enable *Night mode (Stay)*

*Enter + 02 + G + Enter.*

G = group of zones from 0 to 6.

After entering the command, using the keys on the keyboard, enable/disable the corresponding zones for the group and press the Enter key to confirm. Passwords must also have permission for *Night (Stay)* mode.

### Zone Functions

*Enter + 3 + F + G + Enter.*

F = functions of zones 1 to 6.

G = group of zones from 0 to 6.

After entering the command, using the keys on the keyboard, enable/disable the corresponding zones for the group and press the Enter key to confirm.

Zone Functions	
1	Timed
2	Follower
3	24 hours
4	Panic
5	Medical emergency
6	Fire

### Zone operation mode

*Enter + 0 + MP + G + Enter.*

MP = zone mode of 7 or 8.

G = group of zones from 0 to 6.

After entering the command, using the keys on the keyboard, enable/disable the corresponding zones for the group and press the Enter key to confirm.

MP	Operation mode
7	Silent
8	Normally open contact

### Automatic zone cancellation

*Enter + 53 + N + Enter.*

N = number of triggers from 0 to 9.

## **Alloy input (from version 1.9.2)**

*Enter + 09 + ZZ + Enter*

ZZ = zones 01 to 64

## **Alloy input partition**

*Enter + 516 + GP + Enter*

GP = group of partitions, with partitions from 01 to 10 in group 0 and partitions from 11 to 16 in group 1.

## **Permission to activate and / or deactivate the alloy input**

*Enter + 518 + Enter*

Key 2 - Activation permission

Key 3 - Disable permission

## **4.6. Partitioning**

### **Enable partitioning**

*Enter + 510 + Enter + Select option 1 + Enter.*

### **Zone partitioning**

*Enter + 01 + ZZ + PP + Enter.*

ZZ = zone from 01 to 64.

PP = partition from 01 to 16.

### **» Set password partition permission**

*Enter + 21 + NU + GP + Enter.*

NU = user number from 01 to 96.

GP = group of partitions, with partitions 01 to 10 in group 0 and partitions 11 to 16 in group 1.

**Warning:** in addition to the programming points mentioned above, user passwords must be created/defined (topic 4.4. *Passwords*) in addition to the wireless access control registration (topic *Remote Control*). You also need to set the keyboards partitioning (topic *Keyboard*) and sirens (topic *Wireless sirens*).

## **4.7. Timings**

### **Input timing**

*Enter + 42 + PP + TTS + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

TTS = time from 000 to 255 seconds.

### **Output timing**

*Enter + 44 + PP + TTS + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

TTS = time from 000 to 255 seconds.

### **Disable output beep**

*Enter + 514 + Enter + Key 8 + Enter.*

## **4.8. Alarm center time settings**

### **Clock**

*Enter + 400 + HH + MM + SS + Enter.*

HH = hours of 00 to 23.

MM = minutes from 00 to 59.

SS = seconds from 00 to 59.

## Calendar

*Enter + 401 + DD + MM + YY + Enter.*

DD = day from 01 to 31.

MM = month from 01 to 12.

YY = year from 00 to 99.

## Days of the week adjustment

*Enter + 402 + D + Enter.*

D = days of the week from 1 to 7 (1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday).

## Time interval for date and time synchronization

*Enter + 403 + HHH + Enter.*

HHH = interval between synchronizations from 000 to 255 hours.

## Timezone

*Enter + 405 + FF + Enter.*

FF= Time Zone 00 - Disabled

01 - GMT -1	08 - GMT -8	14 - GMT +1	20 - GMT +7
02 - GMT -	09 - GMT -9	15 - GMT +2	21 - GMT +8
03 - GMT -3	10 - GMT -10	16 - GMT +3	22 - GMT +9
04 - GMT -4	11 - GMT -11	17 - GMT +4	23 - GMT +10
05 - GMT -5	12 - GMT -12	18 - GMT +5	24 - GMT +11
06 - GMT -6	13 - GMT 0	19 - GMT +6	25 - GMT +12
07 - GMT -7			

## 4.9. Periodic test

Enable periodic testing by time.

*Enter + 470 + HH + MM + Enter.*

HH = hours of 00 to 23.

MM = minutes from 00 to 59.

## Disable periodic testing by time

*Enter + 470 + Deactivate + Enter.*

## Periodic test by time interval

*Enter + 471 + HHH + Enter.*

HHH = hours from 000 to 255

## 4.10. Self-activation/self-deactivation and Self-activation/self-deactivation per partition

### Enable self-activation through inactivity

*Enter + 460 + TM + Enter.*

TM = time from 00 to 99 minutes.

### Selecting self-activation/self-deactivation by partitions

*Enter + 464 + GP + Enter.*

GP = Partition group 0 or 1 (0 = Partition group 01 to 10 and 1 = Partition group 11 to 16).

### Define holidays

*Enter + 404 + PP + F (0 to 9) +DD + MM + Enter*

PP = partition (center not partitioned, use PP = 01)

F = holiday memory number from 0 to 9.

DD = day of the month that will be a holiday from 01 to 31.

MM = holiday month from 01 to 12.

### **Self-activation day of the week**

*Enter + 838 + PP + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

After the command, using the keys on the keyboard, select the days of the week from 1 to 7, where 1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday.

### **Self-activation time**

*Enter + 462 + PP + D + HH + MM + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

D = days of the week from 1 to 7 (1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday).

HH = hours of 00 to 23.

MM = minutes from 00 to 59.

### **Self-deactivation day of the week**

*Enter + 839 + PP + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

After the command, using the keys on the keyboard, select the days of the week from 1 to 7, where 1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday.

### **Self-deactivation time**

*Enter + 463 + PP + D + HH + MM + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

D = days of the week from 1 to 7 (1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday).

HH = hours of 00 to 23.

MM = minutes from 00 to 59.

### **Define holidays for self-activation/self-deactivation**

*Enter + 404 + PP + F + DD + MM + Enter.*

PP = partition from 01 to 16 (center not partitioned, use PP = 01).

F = holiday memory number from 0 to 9.

DD = day from 01 to 31.

MM = month from 01 to 12.

## **4.11. Settings for monitoring and SMS**

### **Via telephone line**

#### **» Program monitoring account**

*Enter + 15 + PP + Enter*, where PP = partition from 01 to 16. After the command: enter the 4-digit monitoring account number (0 to 9 or the letters B, C, D, E and F) and press the Enter key to confirm. If the center unit is not partitioned, use the partition as 01.

#### **» Program phone number for the monitoring company**

*Enter + 10 + M + phone number of the monitoring company + Enter*, where M = memory for phone from 1 to 8.

#### **» Delete phone**

*Enter + 10 + M + Deactivate + Enter.*

M = memory for phone from 1 to 8.

### » **Phone test**

*Enter + 11 + M + Enter.*

M = memory for phone from 1 to 8

### » **End phone test**

*Enter + 11 + Enter.*

### » **Event reporting mode**

*Enter + 17 + A + B + C + Enter.*

A = indicates in which mode the alarm center will operate from 0 to 7, where 0 = disabled, 1 = regular phone, 2 = not applicable, 3 = dual phone, 4 = regular IP, 5 = not applicable, 6 = dual IP, 7 = dual Mix.

B = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

C = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

**Note:** the programmable Contact-ID protocol can only be edited by remote AMT download/upload software.

### » **Blocking the sending of partition 00 to the monitoring company**

*Enter + 515 + Enter*

After the command, using the keyboard keys, enable option 8 (mark 8) and press the *Enter* key to confirm.

### » **Programming number of attempts to report an event**

*Enter + 13 + T + Enter, where T = partition from 1 to 9.*

### » **Program DTMF signal level**

If the factory default DTMF level stored in the center unit memory does not work, type the following command and test all the options from 0 to 6 to see which one gives the best result.

*Enter + 18 + N + Enter.*

N = number of attempts from 0 to 6.

### » **Reset of pending events**

*Enter + 16 + Enter.*

## **Via Ethernet/Wi-Fi**

### » **Program monitoring account**

*Enter + 15 + PP + Enter, where PP = partition from 01 to 16.* After the command: enter the 4-digit monitoring account number (0 to 9 or the letters B, C, D, E and F) and press the *Enter* key to confirm. If the center unit is not partitioned, use the partition as 01.

### » **Program the reporting mode**

*Enter + 17 + A + B + C + Enter.*

A = indicates in which mode the alarm center will operate from 0 to 7, where 0 = disabled, 1 = regular phone, 2 = not applicable, 3 = dual phone, 4 = regular IP, 5 = not applicable, 6 = dual IP, 7 = dual Mix.

B = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

C = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

**Note:** the programmable Contact-ID protocol can only be edited by remote AMT download/upload software.

### » **Programming communication priority**

*Enter + 19 + 0 + Enter.*

### » **Programming destination IP**

*Enter + 801 + I + Enter, where I = destination IP 1 or 2.*

After the command, type the IP number of the monitoring company (example: 192.168.001.100) and press the *Enter* key to confirm.

## » Programming IP network communication port

Port 1 = *Enter + 802 + 1 + 4 digit port number + Enter.*

Port 2 = *Enter + 802 + 2 + 4 digit port number + Enter.*

## » Programming domain name system (DNS)

If you don't want to use DNS, go to the next command, otherwise type:

*Enter + 803 + D + Enter, D = 1 or 2 (DNS 1 or DNS 2).*

After the command type the DNS domain name and press the Enter key to confirm.

## » Programming monitoring options via IP

*Enter + 830 + Enter.*

After the command, using the keys on the keyboard, enable the desired option from 1 to 4, where:

- » 1 = enables the sending of events to the monitoring company 1.
- » 2 = enables the sending of events to the monitoring company 2.
- » 3 = enables the domain name (DNS) of the monitoring company 1.
- » 4 = enable the domain name (DNS) of the monitoring company 2 and press the Enter key to confirm.

## » Program DHCP

If you do not have a DHCP server or do not want to use this option, perform the next step, otherwise, type the following command and also the next ones.

*Enter + 831 + Enter.*

After the command, using the keys on the keyboard, enable option 1 (marking 1) and press the Enter key to confirm.

## » Center unit IP address

*Enter + 8120 + Enter.*

After the command, type the IP address for the center unit.

**Note:** you can only edit/insert the address manually if the DHCP function is disabled, otherwise only the IP address of the center unit will be displayed.

## » Programming the network mask

*Enter + 8130 + Enter.*

After the command, type the network mask number and press the *Enter* key to confirm.

## » Programming the gateway

*Enter + 8140 + Enter.*

After the command, type the network gateway number and press the *Enter* key to confirm.

## » Programming DNS servers for Ethernet

*Enter + 815 + S + Enter, where S = 1 or 2 (Server 1 or Server 2).*

After the command, type the DNS1 server number and press the *Enter* key to confirm.

## » Programming the Ethernet heartbeat interval (link test)

*Enter + 816 + TTM + Enter, where TTM = time interval ranging from 000 to 255 minutes (factory default: 5 minutes).*

## » Exit programming mode with installer password

Installer password (factory default: 9090).

## » Check connection to IP receiver service

Press the *Menu* key, navigate through the arrow keys, access the *Connections* option and check if the mark for the option *Eth: IP1 and/or IP2* is enabled. If so, the center unit is connected via Ethernet with the IP receiver software via the IPs that have been enabled.

## Via GPRS connection

### » Program monitoring account

*Enter + 15 + PP + Enter, where PP = partition from 01 to 16.* After the command: enter the 4-digit monitoring account number (0 to 9 or the letters B, C, D, E and F) and press the *Enter* key to confirm. If the center unit is not partitioned, use the partition as 01.

## » **Program the reporting mode**

*Enter + 17 + A + B + C + Enter.*

A = indicates in which mode the alarm center will operate from 0 to 7, where 0 = disabled, 1 = regular phone, 2 = not applicable, 3 = dual phone, 4 = regular IP, 5 = not applicable, 6 = dual IP, 7 = dual Mix.

B = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

C = indicates the protocol that will be used when phone 01 is dialed, where 0 = Contact-ID and 1 = Programmable Contact-ID.

Note: The programmable Contact-ID protocol can only be edited by remote AMT download/upload software.

## » **Programming communication priority (GPRS only)**

*Enter + 19 + 1 + Enter.*

## » **Programming destination IP**

*Enter + 801 + I + Enter, where I = 1 or 2 (destination IP 1 or destination IP 2).*

After the command, type the IP number of the monitoring company 1 (example: 192.168.001.100) and press the Enter key to confirm.

## » **Programming IP network communication port**

Port 1 = *Enter + 802 + 1 + 4 digit port number + Enter.*

Port 2 = *Enter + 802 + 2 + 4 digit port number + Enter.*

## » **Programming domain name system (DNS)**

If you don't want to use DNS, go to the next command, otherwise type:

*Enter + 803 + 1 + Enter.*

After the command type the DNS domain name and press the *Enter* key to confirm.

## » **Programming monitoring options via IP**

*Enter + 830 + Enter.*

» After the command, using the keys on the keyboard, enable the desired option from 1 to 4, where:

» 1 = enables the sending of events to the monitoring company 1.

» 2 = enables the sending of events to the monitoring company 2.

» 3 = enables the domain name (DNS) of the monitoring company 1.

» 4 = enable the domain name (DNS) of the monitoring company 2 and press the *Enter* key to confirm.

## » **Programming login**

*Enter + 822 + O + Enter, where O = 1 or 2 (operator 1 or operator 2).*

After the command, type the Login (according to the operator used) and then press the *Enter* key to confirm.

## » **Enable chips**

*Enter + 832 + Enter.*

After the command, use the keys on the keyboard to enable options 1 (chip 1) and 2 (chip 2).

## » **Program password**

*Enter + 823 + O + Enter, where O = 1 or 2 (operator 1 or operator 2).*

After the command, type the password (according to the operator used) and then press the *Enter* key to confirm.

## » **Program APN**

*Enter + 824 + O + Enter, where O = 1 or 2 (operator 1 or operator 2).*

After the command, type the APN (according to the operator used) and then press the *Enter* key to confirm.

## » **Programming the PIN (Personal Identification Number)**

If you want to use the PIN, do the command in sequence, otherwise go to the next command.

If the PIN is incorrect the chip will be blocked.

*Enter + 825 + O + 4 digit PIN number + Enter, where O = 1 or 2 (operator 1 or operator 2).*

### » **GPRS heartbeat interval (link test)**

*Enter + 827 + TTM + Enter*, where TTM = Heartbeat interval time from 000 to 255 minutes (default: 005 minutes).

### » **DNS Servers for GPRS**

*Enter + 828 + S + Enter*, where S = 1 or 2 (Server 1 or Server 2).

After entering the command, type the DNS server code (according to the server used) and then press the Enter key to confirm.

### » **Interval between GPRS connections attempts**

*Enter + 829 + TG + Enter*, where TG = interval time of reconnection attempts from 00 to 20 (default: 00 minutes).

### » **Cloud Connection (factory default enabled)**

*Enter + 512 + Enter*.

After the command, use the 6 key on the keyboard to enable or disable the function and press the *Enter* key to confirm (square marked function blocked and empty square function unlocked).

### » **Exit programming mode with installer password**

Installer password (factory default: 9090).

### » **Check GPRS signal level**

Press the Menu key, navigate through the arrow keys, access the GPRS Signal option and check the signal through the 1 to 10 markings.

### » **Check connection to IP receiver service**

Press the Menu key, navigate through the direction keys, access the Connections option and check if the marker for the GPRS option: IP1 and/or IP2 is checked. If so, the center unit is connected via GPRS with the IP receiver software via the chips that have been enabled.

## **Programming SMS**

**Attention:** as of version 1.7.9, all functions related to SMS (sending and receiving) for the AMT 8000 central were removed.

### » **Programming GPRS channel options to enable chips and SMS sending/receiving**

*Enter + 832 + Enter*.

After the command, use the keys on the keyboard to enable options 1 (chip 1), 2 (chip 2), 3 (send SMS), 4 (receive SMS) and press the *Enter* key to confirm.

### » **Selecting SMS events**

*Enter + 833 + Enter*.

After the command, use the keys on the keyboard to enable options 1, 2, 3, 4 and press the Enter key to confirm.

### » **Programming phone to SMS**

*Enter + 84 + M + Phone number with up to 20 digits + Enter*, where M = memory number ranging from 1 to 5. The phone number must be a maximum of 20 digits and in format: 0 + operator code + area code + phone number starting with the digit 9.

### » **Change display name of center unit**

*Enter + 1 + Active + 00 + Enter*.

After the command, use the keys on the keyboard to change the name of the center unit to be displayed in the SMS message.

### » **Exit programming mode with installer password**

Installer password (factory default: 9090).

### » **Test to verify if the SMS configuration worked.**

» **SMS receiving test:** activate the center unit and wait for the reception of the SMS activation event.

» **SMS sending test:** manually deactivate the center unit and then send a SMS message using the mobile phone in the following way: !Master passwordA!, if the master password is, for example, 1234 the command will be: !1234A! and wait to check if the center unit has been activated.

## **Contact-ID Codes**

For the following commands that configure the Contact-ID code, the communication protocol must be set to Programmable ContactID (see Event Reporting Mode), otherwise events will be sent with the default Contact-ID.

**Note:** if configured 000, the sending event will be disabled, if configured from 001 the FFE sends the programmed event and if configured FFF sends the default event. Use only the letters B, C, D, E and F and numbers from 0 to 9.

*Configure Contact-ID code for zone opening type events*

Enter + 901 + ZZ + Enter.

ZZ = zone from 01 to 64.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 130.

*Set Contact-ID code for zone restoration type events*

Enter + 911 + ZZ + Enter.

ZZ = zone from 01 to 64.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 130.

*Set Contact-ID code for tamper opening type events*

Enter + 902 + ZZ + Enter.

ZZ = zone from 01 to 64.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 145 for expansion devices and 383 for sensors.

*Set Contact-ID code for tamper restoration type events*

Enter + 912 + ZZ + Enter.

ZZ = zone from 01 to 64.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 145 for expansion devices and 383 for sensors.

*Set Contact-ID code for user deactivation events*

Enter + 903 + NU + Enter.

NU = user number from 01 to 97.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 401.

*To set contact-ID code for user activation events*

Enter + 913 + NU + Enter.

NU = user number from 01 to 97.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm. Factory default 401.

*Set contact-ID code for opening type system events*

Enter + 904 + II + Enter.

II = system event index from 00 to 24.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm.

*Set contact-ID code for system events of restoration type, enter:*

Enter + 914 + II + Enter.

II = system event index from 00 to 24.

After entering the command, enter the event value in hexadecimal format from 000 to FFF (accepts numbers from 0 to 9 and the letters B, C, D, E and F) and press the Enter key to confirm.

### Use to configure the system's Contact-ID code of the restoration and opening type

Table of Contents	Internal event	Default code
00	Low Battery Wireless Device/Restoration Battery Device	384
01	N/A	344
02	Failure of supervision/restoration supervision	147
03	Zone bypass/ zone bypass restoration	570
05	AC network failure/ AC network restoration	301
06	Low system battery/restoration system battery	302
07	Absent battery/restoration battery	311
08	Telephone line cut/restoration telephone line	351
09	Remote activation/deactivation	407
10	Automatic activation/deactivation	403
11	One key activation	408
12	Activation and deactivation under duress	121
13	System reset	305
14	Programming change	306
15	Failure to communicate event	354
16	Incorrect password	461
17	Remote access	410
18	Manual testing	601
19	Periodic test	602
20	Event buffer reset	621
21	Date and time restarted	625
22	Tamper/restore sensors	383
23	Tamper/restoration expansion devices	145
24	Maintenance request	616
25	AC wireless device failure	342
26	PGM activation	422
27	RF registration/deletion	533
28	Registering/changing/deleting password	534

### Set Push events code

Enter + 92 + EV + Enter + Select event + Enter.

EV = events group 0 to 3, group 0 being from 01 to 10 and so on to group 3 being from 31 to 35.

Event Group (EV)	Event	Key	Default value
0	ARM_DISARM_USER,	Key 1	Enabled
	N/A	Key 2	Enabled
	TRIGGER_ZONE,	Key 3	Enabled
	TRIGGER_24H,	Key 4	Enabled
	TRIGGER_SILENT,	Key 5	Enabled
	TRIGGER_MEDICAL_EMERGENCY,	Key 6	Enabled
	TRIGGER_FIRE,	Key 7	Enabled
	TRIGGER_PANIC_AUDIBLE,	Key 8	Enabled
	TRIGGER_PANIC_SILENT,	Key 9	Enabled
	TAMPER_SENSOR,	Key 10	Enabled
1	LOW_BATTERY_SENSOR,	Key 1	Enabled
	N/A	Key 2	Enabled
	SUPERVISION_FAILURE_RF,	Key 3	Enabled
	BYPASS_ZONE,	Key 4	Enabled
	BYPASS_AUTOMATIC,	Key 5	Enabled
	POWER_GRID_FAILURE,	Key 6	Enabled
	LOW_MAIN_BATTERY,	Key 7	Enabled
	MAIN_BATTERY_ABSENT,	Key 8	Enabled
	TELEPHONE_LINE_FAILURE,	Key 9	Enabled
	ARM_DISARM_REMOTE,	Key 10	Enabled

Event Group (EV)	Event	Key	Default value
2	Event	Key	Default value
	SELF_ARMING_DISARM,	Key 1	Enabled
	FAST_ARMING,	Key 2	Enabled
	ARMING_DISARM_UNDER_DURESS,	Key 3	Enabled
	RESET_SYSTEM,	Key 4	Enabled
	ALTERED_PROGRAMMING,	Key 5	Enabled
	FAILURE_TO_COMMUNICATE_EVENT	Key 6	Enabled
	INCORRECT_PASSWORD	Key 7	Enabled
	ACESS_DOWNLOAD,	Key 8	Enabled
	MANUAL_TESTING,	Key 9	Enabled
3	PERIODIC_TESTING,	Key 10	Enabled
	RESET_BUFFER_EVENTS,	Key 1	Enabled
	RESET_DATE_HOUR,	Key 2	Enabled
	TAMPER_KEYBOARD	Key 3	Enabled
	TAMPER_SIREN,	Key 4	Enabled
	REQUEST_MAINTENANCE,	Key 5	Enabled
	FAILURE POWER NETWORK EXPANDER MOD	Key 6	Enabled
	PGM ON/OFF	Key 7	Enabled
	RF Registration/Deletion	Key 8	Enabled
	Registering/changing/deleting password	Key 9	Enabled

#### 4.12. Functions activation/deactivation

Enter + 51 + GF + Enter + FUNCTION + Enter.

GF = functions group from 0 to 5.

FUNCTION = key corresponding to function.

Key	Function group 0	Function group 1	Function group 2	Function group 3	Function group 4	Function group 5
1	Partitioning	Silent panic by 0 key	Reset block	-	-	-
2	One key activation	Audible panic by key 2	Remote control block	-	-	Failure of supervision
3	Siren beep on activation/deactivation	Medical emergency by key 5	Keypad block in case of incorrect password	Telephone line cut	Real-time reporting	-
4	Activation with open zones	Fire by key 8	-	-	-	Telephone line cut
5	Password with 6 digits	Enter key maintenance request	-	-	-	Tamper devices
6	-	-	-	-	-	Do not generate triggers
7	-	Indication of problems by siren	-	-	Periodic test only by phone	-
8	Remote control clean trigger	Automatic cancellation by zone opening	-	-	Disables beep time out	-

#### 4.13. Fault sending time

##### AC failure

Enter + 481 + TM + Enter.

TM = 01 to 99 minutes failure time.

#### 4.14. System reset

##### Reset of the entire system except wireless device registration

Enter + 0000 + Enter.

#### 4.15. System-wide reset

##### Programming, messaging and wireless devices

Enter + 9999 + Enter.

#### 4.16. Temporary reset of master and installer password

If you forgot the master password or the installer password, there is a temporary reset for these passwords by following this step:

1. With the center unit on, press the wireless device registration key for approximately 15 seconds, when the LED flashes again the center unit will go into the temporary reset mode for 1 minute. During this time the master password will be 1234 and the installer password will be 9090.

During this time it will be possible to go into programming mode and change the master password and/or the installer password. If nothing is done during this period, the passwords will return to the same previously programmed values.

**Note:** the reset block function must be disabled.

## 5. Homologation

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This product has passed the tests and certifications required by the Brazilian telecommunications equipment regulatory agency (Anatel), having its approval and results available with the following certification.



This equipment operates on a secondary basis, i.e., it is not entitled to protection against harmful interference, even from stations of the same type, and may not cause interference to systems operating on a primary basis. This is a product approved by Anatel, the approval number can be found on the product label, for queries use the link <https://www.gov.br/anatel/pt-br>.

# Warranty term

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It is expressly stated that this contractual warranty is given subject to the following conditions:

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Name of customer:

Signature of the customer:

No. of the invoice:

Date of purchase:

Model:

Serial No:

Reseller:

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1. All parts and components of the product are under warranty against possible manufacturing defects, which may present, for a period of one (1) year, – comprising 90 (ninety) days of legal warranty and 9 (nine) months of contractual warranty, –, counted from the date of purchase of the product by the Consumer, as stated in the invoice of purchase of the product, which is part of this Term throughout the national territory. This contractual warranty includes the free exchange of parts and components that have a manufacturing defect, including the expenses with the labor used in this repair. In case no manufacturing defect is found, but flaw(s) from inappropriate use, the Consumer will bear these expenses.
2. Product installation must be done in accordance with the Product Manual and/or Installation Guide. If your product needs to be installed and configured by a qualified technician, look for a suitable and specialized professional, and the costs of these services are not included in the value of the product.
3. If the defect is found, the Consumer should immediately communicate with the nearest Authorized Service listed by the manufacturer, – only they are authorized to examine and remedy the defect during the warranty period provided herein. If this is not respected, this guarantee will lose its validity, as the violation of the product will be characterized.
4. In the event that the Customer request home care, he/she should refer to the nearest Authorized Service for the technical visit fee. If the need for withdrawal of the product is found, the expenses arising, such as transportation and safety to and from the product, are under the responsibility of the Consumer.
5. The warranty will totally lose its validity in the event of any of the following: a) if the defect is not of manufacture, but caused by the Consumer or by third parties alien to the manufacturer; b) if the damage to the product comes from accidents, claims, agents of nature (lightning, floods, landslides, etc.), humidity, mains voltage (overvoltage caused by accidents or excessive mains fluctuations), installation/use in disagreement with the user manual or due to natural wear of parts and components; c) if the product has been influenced by chemical, electromagnetic, electrical or animal (insects, etc.); d) if the product's serial number has been tampered with or erased; e) if the device has been tampered with.
6. This warranty does not cover loss of data, so it is recommended that the Consumer make a regular backup of the data on the product.
7. Intelbras is not responsible for the installation of this product and also for any attempts of fraud and/or sabotage on its products. Keep software and application updates, if any, up to date, as well as network protections necessary to protect against hackers. The equipment is guaranteed against flaws within its normal conditions of use, and it is important to be aware that, since it is an electronic equipment, it is not free from frauds and scams that may interfere with its correct functioning.
8. Battery-powered product. Dispose of at authorized Intelbras sites or at collection points specifically designed for this purpose. It can cause risk to human health and the environment. Questions: [www.intelbras.com.br](http://www.intelbras.com.br), [soporte@intelbras.com](mailto:soporte@intelbras.com) or (48) 2106-0006 or 0800 7042767.
9. Properly dispose of your product after its useful life - deliver it to collection points for electrical and electronic products, at an authorized Intelbras technical assistance center or consult our website [www.intelbras.com.br](http://www.intelbras.com.br) and [soporte@intelbras.com](mailto:soporte@intelbras.com) or (48) 2106-0006 or 0800 7042767 for more information.

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

All images in this manual are illustrative.

Dispose of batteries in suitable places for their reception, not placing electronic materials in common waste.



# intelbras



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**Customer Support:** ☎(48) 2106 0006

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**Support via e-mail:** [suporte@intelbras.com.br](mailto:suporte@intelbras.com.br)

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