

iConnect.

CONTROL SYSTEM

USER MANUAL



Electronics Line 3000 Ltd.

iConnect Control System User Manual

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




















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Quick Reference Guide

Function	Press...	Additional Information
ARM	  OR  OR  FULL PART PERIMETER	If One-Key Arming is disabled on the Control System, enter your user code when arming. The default master code is 1234 .
INSTANT ARM	 Hold down this key until "Instant Arming OK?" is displayed. Then Press ✓.	Instant arming cancels the entry delay after Part or Perimeter arming. This feature can be enabled by your installer.
DISARM	[USER CODE]	Entering your user code also silences the siren in the event of an alarm.
PANIC ALARM	 + 	Press these buttons together and hold them down to generate an alarm.
FIRE ALARM	 + 	
MEDICAL ALARM	 + 	
MENU MODE	 then [USER CODE]	Use the menu navigation buttons (▲/▼) until the required menu item is displayed then press ✓. Alternatively, enter the shortcut (e.g. 21 for Bypass Zones).
CHECK TROUBLE CONDITIONS	 Use this key scroll the system trouble list.	Pressing ▼ also silences any trouble tones that may be sounded by the system.
SWITCH HA/PGM UNIT ON	 then [HA UNIT #]	Enter the HA module number in two digits (e.g. 03, or 30 for PGM).
SWITCH HA/PGM UNIT OFF	 then [HA UNIT #]	
SERVICE CALL	 then press and hold 	"Service Call Dialing" is displayed. The number dialed for the service call is programmed by your installer.
FIVE SPEED DIAL NUMBERS	 Press this key, then press and hold the speed dial number button.	Numbers 1 to 5 can be programmed by master access in the menu telephone # [5.2-5.6].
GLOBAL CHIME	 then 	Use the menu navigation buttons (▲/▼) to choose enable or disable, then press ✓.
RECORD MESSAGE	 then 	After recording a message, "Message Waiting" is displayed until the message is played back.
PLAY MESSAGE	 then 	The Message Center is an optional feature that is included with certain versions of iConnect Control System.

Telecontrol Commands

Function	Press...
2-WAY AUDIO	[2]
FULL ARM	[3]
HA UNIT XX ON*	[4] then [X] [X]
HA UNIT XX OFF	[5] then [X] [X]

Function	Press...
DISARM	[6]
SIREN CANCEL	[9]
EXTEND CALL	[7]
DISCONNECT	[*] then [#]

For Partitioned Systems

Function	Press...
FULL ARM	[3] then [1]
PARTITION 1 ARM	[3] then [2]
PARTITION 2 ARM	[3] then [3]

Function	Press...
SYSTEM DISARM	[6] then [1]
PARTITION 1 DISARM	[6] then [2]
PARTITION 2 DISARM	[6] then [3]

* for PGM XX=30

Table of Contents

Quick Reference Guide	iii
1. Introduction and Overview	1
1.1. Documentation Conventions	1
1.2. Security System Components	2
1.3. System Monitoring	2
1.4. Home Automation	3
1.5. Self-Monitoring	3
1.6. Telephone Control	3
1.7. Vocal Message Annunciation	4
1.8. Web Access	4
2. The User Interface	5
2.1. Front Panel (LCD Configuration)	5
2.2. Front Panel (LED Configuration)	7
2.3. Alarm Sounding Patterns	9
2.4. LCD Keypad	10
2.5. Keyfobs	10
2.6. Wireless Terminal	11
3. Arming and Disarming	15
3.1. System Type - Partitioned /Unpartitioned	15
3.2. Arming Modes: Unpartitioned Systems	15
3.3. Arming Modes: Partitioned systems	15
3.4. Arming the System	16
3.5. Disarming the System	19
3.6. Arm Status and Other System Status Indication	20
3.7. Arming Tones	21
3.8. Remote Arming/Disarming	21
4. Panic Alarms	23
4.1. Keypad Alarms	23
4.2. Keyfob Panic Alarm	23
4.3. Medical Emergency	23
5. Home Automation and PGM	24
5.1. Keypad Control	24
5.2. Keyfob Control	24
5.3. Telephone Control	25
5.4. SMS Control	25
5.5. Scheduling (not relevant to PGM)	25
6. Telecontrol	27
6.1. Calling your Home	27
6.2. Service Call	29
6.3. Two-Way Audio after an Alarm	29
6.4. Two-Way Audio Follow-Me	29
6.5. Simplex Mode	29
7. Advanced System Operation	30
7.1. Cancel Report	30

- 7.2. Zone Bypassing/Unbypassing 30
- 7.3. User Codes..... 31
- 7.4. Follow-Me 33
- 7.5. Speed Dial Numbers 34
- 7.6. Event Log 34
- 7.7. Service Menu..... 35
- Appendix A: Menu Structure 40**
- Appendix B: Web User Application..... 41**
- Log In Page 41
- The Main Page 42
- Options Available from Main Page..... 43
- Video 48
- Appendix C: Glossary..... 49**





1. Introduction and Overview

This user manual explains all you need to know about your iConnect security system and provides step-by-step instructions for all the system's user functions. In addition to the explanation you will receive from your installer, we urge you to read this manual so that you can take full advantage of your system's features. Keep this manual in an accessible location for future reference.

The iConnect system has many features in order to suit a wide range of applications. This manual outlines all of these features but it is likely that there are options that are not relevant to your system. If you have any questions regarding the availability of the features described in the manual, please ask your installer.

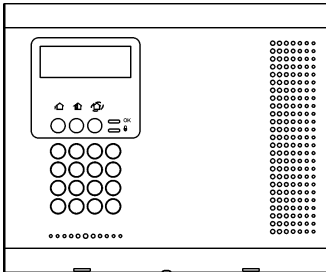
1.1. Documentation Conventions

In order to simplify the procedures that appear in the rest of this manual, the following conventions are used:

Item...	Description...
Select...	Use the arrow buttons to scroll through the options and press ✓ .
From the Event Log Menu, select Clear Log.	Enter the main menu by pressing ✓ and entering your user code. Using the arrow buttons, navigate until you reach Event Log and press ✓ . Using the arrow buttons, navigate until you reach Clear Log and press ✓ .
From the Service menu, select Time/Date, Set Date.	The same as above only this time you are navigating through three menu levels.
[7012]	The shortcut to a specific menu item from the main menu. In this case, this is the shortcut for Set Date. These appear in the procedures as an additional aid to menu navigation.
[#3]	A shortcut to a specific item in a sub-menu. For example, [#3] is the shortcut to HA Schedule in the sub-menu that is opened once you have selected the Home Automation unit you want to program.
✓, ▲ buttons	buttons that appear on the keypad ( , )
<i>5. Interface Test</i>	The text that actually appears on the LCD display (italics).
	Note
	Important caution, please pay attention.

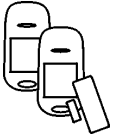
1.2. Security System Components

Your security system is made up of a Control System, various sensors and a number of optional peripheral devices. This section explains the role of each component in your system.



Control System

The Control System is the brain of the system. It communicates with all the devices connected to the system. For example, in the event of a burglary, a sensor sends a signal to the Control System indicating that it has sensed motion on the premises. On receiving this signal, the Control System makes the decision to report the alarm to your monitoring service and activate the siren.



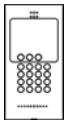
Sensors

Sensors are the devices that protect your home, alerting the Control System when there is a breach in security. Magnetic contacts protect your doors and windows while motion sensors are able to detect an intruder moving across its field of view. Additionally, smoke sensors can be installed to provide an early warning in the event of a fire.



Keyfobs

Keyfobs are hand-held transmitters that are used to operate the system. Various keyfobs are available providing a number of functions. For example, arming/disarming the system, sending panic alarms and various home automation functions.



Keypads

The keypads enable you to communicate with the Control System in order to perform a number of different functions. The main function you can perform using a keypad is to arm the system when leaving your home and to disarm on your return.

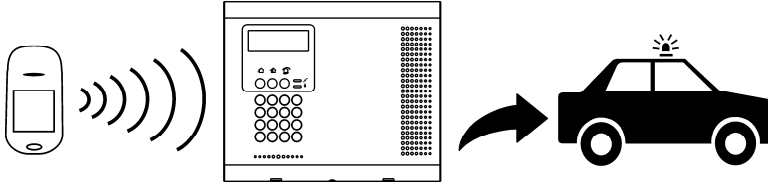


Sirens

While the Control System includes a built-in internal siren, it is possible that you also have an external siren installed. The sirens are sounded during certain alarm conditions serving to warn you and ward off intruders.

1.3. System Monitoring

When an event occurs within the system, the Control System sends a message to your monitoring service describing the exact nature of the event. This enables the monitoring service to take the required action. System monitoring can implement either regular telephone or cellular communication.



A sensor detects. ▶▶▶ The Control System is alerted. ▶▶▶

An alarm is generated and the monitoring service is notified.



IMPORTANT: There is a communication delay of 30 seconds in this Control System for non-fire alarms. This delay can be reduced to 15 seconds or it can be increased to 45 seconds at the option of the end user in consultation with the installer. Fire alarms are communicated immediately.

1.4. Home Automation

An optional expansion module can provide you with the ability to control up to 16 individual electrical appliances or lights using the front panel keypad, wireless keypads, telecontrol, SMS, or keyfobs. Additionally, each appliance can be programmed to be turned on and off automatically according to various schedules and system status conditions.

1.5. Self-Monitoring

In addition to the ability to report to a monitoring service, the system can also send you and other users notification when an event occurs. This may be in the form of vocal messages played over the telephone or, if your system supports cellular communication, you can receive information on system status via SMS. If an alarm occurs on the premises, you are informed no matter where you are in the world.

1.6. Telephone Control

DTMF Telecontrol

The iConnect offers a range of “Telecontrol” features that provide remote access via the telephone (PSTN or Cellular). These features include remote arming/disarming, control over Home Automation units, PGM output activation/deactivation, siren cancel and Two-Way audio via the Control System’s built-in microphone and speaker – see p.27, 6 *Telecontrol*.

The Two-Way Audio features allow you to contact your home directly in the event of an alarm or simply to check your home while you are away.

SMS Control

Using your cellular phone, you can also send SMS commands to arm/disarm the system, commands to the appliances controlled by the Home Automation feature and to PGM output, and get confirmation when the command is received – *see p. 21, Remote Arming/Disarming via SMS, and p. 25, 5.4 SMS Control.*

1.7. Vocal Message Annunciation

Vocal message annunciation is an optional feature that, if enabled in programming, causes the system to play short messages that indicate system status.

1.8. Web Access

The Web Application provides an interface to your security system from your Internet browser. Via the Web you can perform a wide range of tasks such as arm/disarm, zone bypass, user code management and home automation control. Additionally, you can set up the contacts whom you wish to be alerted (by email or text message) when selected events occur.

The application also allows you to check your home at any time either by viewing a history of recent events that have occurred or by viewing streaming video from cameras installed on the premises. For further information, *see p. 41, Appendix B: Web User Application.*

2. The User Interface

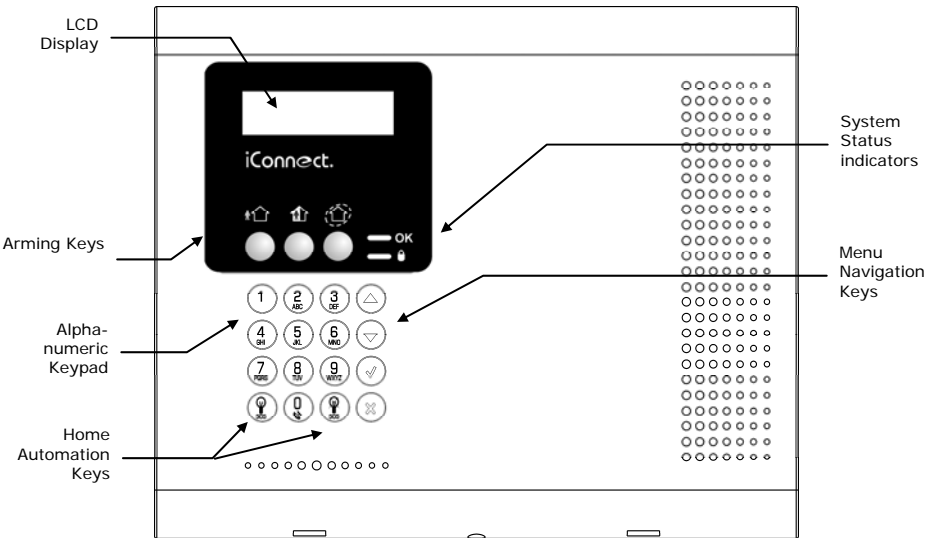
There are several methods you can use to operate the system. Apart from the keypad on the front panel, your system may include a number of peripheral devices, such as keypads and keyfobs.

This chapter provides a brief introduction to each of the devices you can use to operate the system. It is important that you familiarize yourself with these devices before reading the following chapters that shall describe system operation in further detail.

The front panel is the main user interface that provides you with all the functions you need to control your security system. iConnect GPRS Control System is available in two front panel configurations: LCD and LED.

2.1. Front Panel (LCD Configuration)

LCD Front Panel display and LEDs inform you of system arming status, power failures, and system trouble conditions. Its alphanumeric keypad enables you to enter your user code when arming and disarming, and to silence the siren in the event of an alarm.





Arming Keys

Three arming keys are available: Full, Part, and Perimeter. These buttons arm the system using one of the three arming methods. One-key Arming is an option that is programmed by your installer.


Service Call Button

The Service Call button enables you to contact the monitoring service and talk to an operator.

To initiate a service call, press the up arrow button , then press and hold down the Service Call button .

Speed Dial

The Speed Dial feature enables you to call from the control system up to five different telephone numbers programmed in the system – see p. 34, 7.5 *Speed Dial Numbers* .

To dial one of the programmed Speed Dial numbers, press the up arrow button , then press and hold down the number button 1 to 5 until "Call Spd # Dialing" is displayed. When finished speaking, press the **X** button to disconnect.

Vocal Message Recording and Playback

LCD front panel allows you to record a short message that may be played back later by another user – see p. 35, 7.7. *Service Menu, Message Center*.

Home Automation and PGM On/Off Buttons

Pressing one of the Home Automation buttons followed by the unit number (01-16, or 30 for PGM) enables you to control lights and appliances in your home, activate and deactivate PGM output.

On



Pressing both Home Automation buttons simultaneously generates an SOS panic alarm.

Off





System Status LEDs

The System Status indicators provide essential information on the status of the system such as arm, disarm, alarm and power failure conditions.

OK LED Status	Meaning
Off	Both AC and Battery power are disconnected.
On Green	System Power status is OK and there is no System Trouble.
Flashing Green	Open Zone. Check that the windows and doors are closed and no movement is detected by the sensors within the protected area.
On Yellow	System Trouble.
Flashing Yellow (slow)	Battery low from the Control System or transmitters.
Flashing Yellow (fast)	AC loss.
Flashing Yellow (intermittent)	System Trouble in addition to AC loss/Low Battery.

2. The User Interface

 LED Status	Meaning
Off	The system is disarmed.
On Green	The system is armed.
Flashing Red	An alarm has occurred. Alarm indication is cleared the next time you arm the system or view the relevant event in the event log.

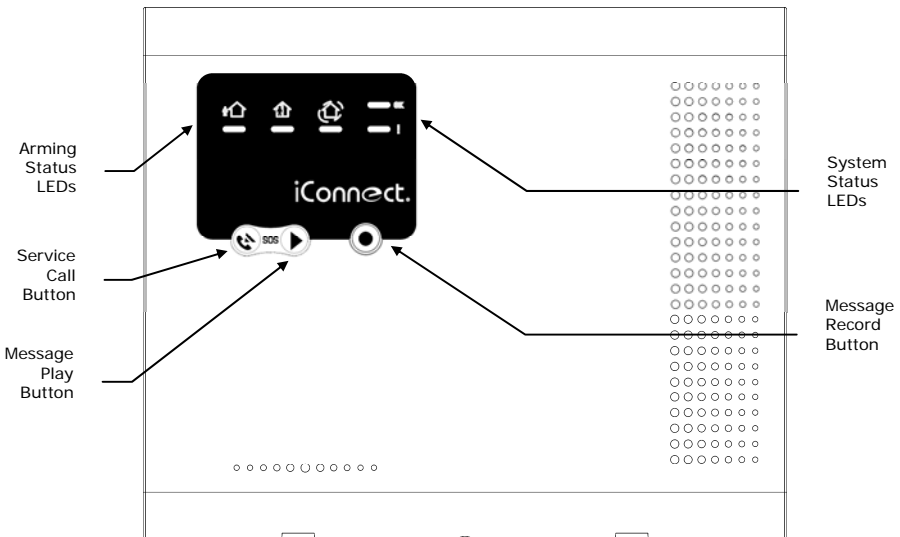
 Alarm indication is not displayed after a silent panic alarm.

System Trouble Indication

In the event that the system detects a trouble condition, “System Trouble” appears on the display. To identify the problem, scroll through the trouble list by pressing **▼**. Scrolling the trouble list also silences system trouble tones that may be sounded if enabled in programming. When the trouble condition is restored, it is removed from the system trouble list.

2.2. Front Panel (LED Configuration)

As the name suggests, the LED Front Panel uses only LEDs to inform you of the Control System status. In addition to System Status LEDs (OK and "!"), there are three Arming Status LEDs: full, part, and perimeter. The three-button keypad allows you to make service call, record and play audio message, and to activate SOS panic alarm.



Service Call Button

The Service Call button enables you to contact the monitoring service and talk to an operator.

To initiate a service call, press and hold down the Service Call button for a few seconds.

Service Call



Vocal Message Recording and Playback

Using Message Play and Message Record buttons on the LED Top Cover you can record a short message that may be played back later by another user. When there is a new message waiting, the Message Play button is flashing fast.

To play back a recorded message, press the Message Play button.

To record a message, press the Message Record Button, record your message, then press the Message Record button again to stop recording. The message is then played back and saved.

Message Play



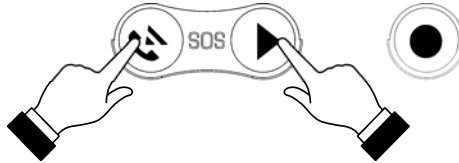
Message Record



During recording, the Message Record button is lit. When you have 5 seconds left out of the 20 seconds timeout, the Message Record and the Service Call buttons backlights flash.

SOS Panic Alarm Activation

Using the LED Top Cover, you can activate an SOS Panic alarm by pressing the Service Call and Message Play buttons simultaneously.





System and Arming Status LEDs

The System Status indicators provide essential information on the status of the system such as arm, disarm, alarm and power failure conditions.

OK LED Status (Green)	Meaning
Off	System cannot be armed
On	The system is ready for arming.
Flashing	Open Zone. Check that the relevant entrances are secured (i. e. windows and doors are closed and no movement is detected by the sensors within the protected area).

2. The User Interface

 LED Status (Yellow)	Meaning
Off	No trouble condition in the system.
On	System Trouble.
Flashing (slow)	Backup battery low or low battery from transmitters.
Flashing (fast)	AC loss.
Flashing (intermittent)	System Trouble in addition to AC loss/Low Battery.

 LEDs	Meaning
Off	The corresponding arming method is not active. In partitioned systems, the corresponding partition is disarmed. If all the three LEDs are off, the system is disarmed.
Flashing Red	The exit or entry delay for this arming mode is counting down.
On Green	The System is armed using the arming method shown by this LED. In partitioned systems, the corresponding partition/whole system is armed.
All the three Arm Status LEDs flash Red	An alarm has occurred. Alarm indication is cleared the next time you arm the system or view the relevant event in the event log.

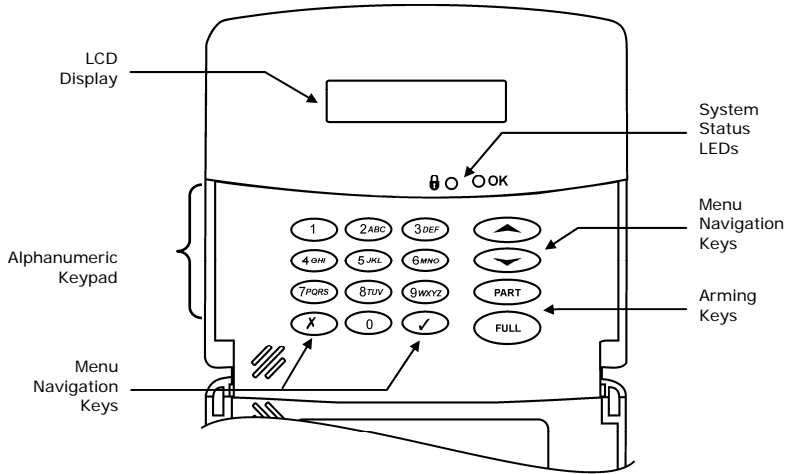
2.3. Alarm Sounding Patterns

The following table summarizes various alarms sounded by the control system.

Alarm	Alarm Sounding Pattern Description
Burglary	ON (continuously)
Fire	ON - ON - ON, 1.5-second pause, ON - ON - ON.....
Gas	ON - ON - ON - ON (short bursts), 5 second pause, ON - ON - ON - ON.....
Medical	ON (continuously) – only applicable for Medical alarm from zone
Flood	4 rapid tones sounded once per minute (same as Trouble tones)
Environmental	4 rapid tones sounded once per minute (same as Trouble tones)

2.4. LCD Keypad

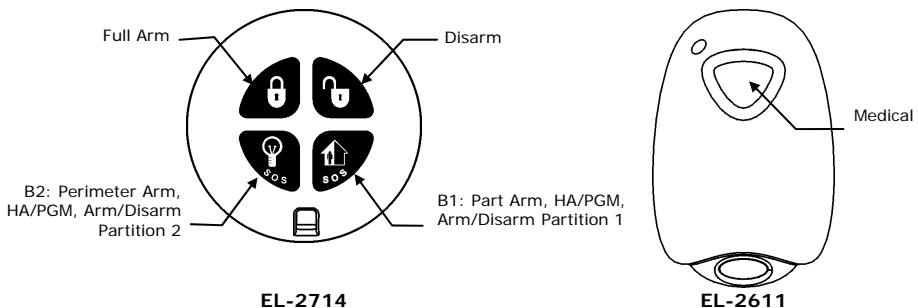
In addition to the front panel keypad, your system may include one or more LCD keypads. The layout of the LCD keypad is similar to the front panel keypad and most of the functionality is identical.



2.5. Keyfobs


The iConnect supports two types of keyfob transmitter. The EL-2714 includes two buttons (B1 and B2) that you can program individually. The default functions for B1 and B2 buttons are arming functions. Arming functions of the keyfob for partitioned and unpartitioned systems are described in p. 17, Arming with the Keyfob. Alternatively, your installer can program these buttons to control a specific HA unit or PGM output. The EL-2611 has one button used for Medical Alarm.

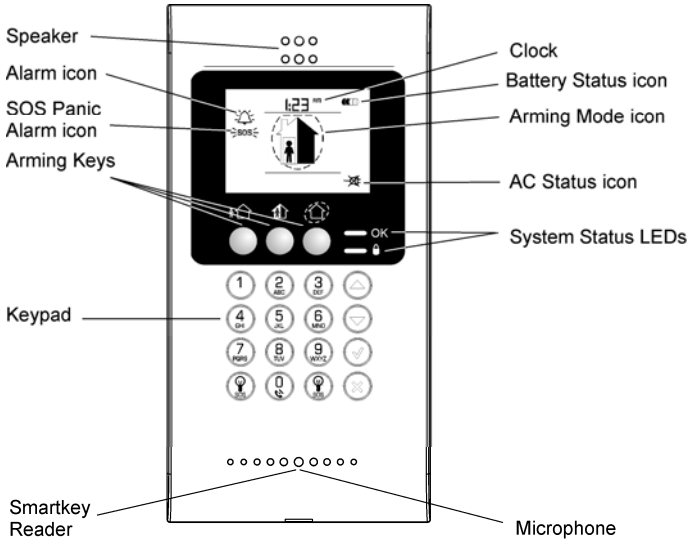
The functions of the buttons on each keyfob are shown below:



2.6. Wireless Terminal

The EL-2724 Wireless Terminal is an intelligent two-way wireless keypad with a large display. Apart from serving as an additional arming station, the EL-2724 provides memo recording options, control over up to 16 home automation devices, and panic alarm function. You can arm and disarm the system with the Wireless Terminal using the smartkey (if supported). The EL-2724's display shows arming status, power status, alarms, and time. The system supports up to four Wireless Terminals.

 Wireless Terminal EL-2724 does not support partitioning.



Keypad

The Wireless Terminal keypad is the user interface that provides you with the functions you need to control your security system. Three arming keys (Full, Part, and Perimeter) allow you to arm the system using one of the three arming methods – see p. 15, 3. *Arming and Disarming*. One-key Arming is an option that is programmed by your installer. If this option is disabled, you must also enter a user code when arming.

Function	Press...	Additional Information
ARM	 OR  OR  FULL PART PERIMETER	If One-key Arming is disabled, enter your user code or place a registered smartkey (if supported) against the center of the smartkey reader.
DISARM	[USER CODE or SMARTKEY]	Entering your user code also silences the siren in the event of an alarm.

PANIC/SOS ALARM



Press these two buttons together and hold them down to generate an alarm.

SWITCH HA UNIT ON



then [HA UNIT #]

Enter the HA module number in two digits using number buttons (e.g. 03) or 30 for PGM.

SWITCH HA UNIT OFF



then [HA UNIT #]

RECORD MESSAGE



then



During recording the both LEDs flash in tandem. Press to stop recording; the message is automatically played back.

PLAY MESSAGE



then



To abort message play press while message is playing.

SET TIME

Press and hold down . When the numbers start blinking, adjust the time by pressing .

Press once to switch between hours and minutes. Press to exit and save changes.




The Cancel button clears the keypad in the event that you pressed a button by mistake. The system waits for you to enter all four digits before it decides that the code is incorrect. Pressing the Cancel button causes the keypad to disregard what was previously entered enabling you to start again.

System Status LEDs

Two System Status LEDs indicate arming and power status of the Wireless Terminal:










OK LED Status	LED Status	Meaning
Off		The Wireless Terminal is disconnected from all power sources.
On Green		The keypad is powered by AC and the battery is not low.
Flashing Yellow (slow)		Local backup battery low.
Flashing Yellow (fast)		Wireless Terminal AC loss.
	Off	The system is disarmed.
	On - Green	The system is armed.

2. The User Interface

	Flashing Red	An alarm has occurred. This alarm indication is reset when the system is armed using any of the three arming methods.
	Alarm indication is not displayed after a silent panic alarm.	
Flashing Green	Flashing Red	You are recording a message.

Display

The following table describes the Wireless Terminal display interface.

Icon	Symbol	Description
Full Arm		The system has been armed in Full arm mode. Full arming is designed for situations where the house is empty and the entire system is armed ¹ .
Part Arm		The system has been armed in Part arm mode. Part arming is designed for situations where a specific part of the house is armed and a separate part of the house is still occupied.
Perimeter Arm		The system has been armed in Perimeter arm mode. Perimeter arming is designed for situations where the occupants are at home and the perimeter (e.g. doors, windows) is protected.
Disarm		No arming modes are currently activated. The icon changes when the Control System has been armed again.
Alarm		The Alarm icon flashes from the moment an alarm occurs until the next time the system is armed.
SOS Panic Alarm		Indicates that an SOS Panic alarm has been activated from a Panic zone (typically a Panic button), a keypad or a keyfob.
Battery Status		The battery status of the Wireless Terminal.
AC Status		The AC power status of the Wireless Terminal. If the icon is crossed-out, it means AC power loss (i.e. the Wireless Terminal is disconnected).
Clock		A four-digit clock display.

¹ The icon shows all the three arming modes only when armed from the Terminal itself. If armed from the Control System, the icon always shows full arming.

Smartkey (Model Dependant)

To disarm the System using smartkey:

- Place a registered smartkey against the center of the smartkey reader. When the smartkey is read, the keypad will sound a beep – the system is disarmed.



Arming the System using Smartkey is possible when One-Key Arming is disabled.

To arm the System using smartkey:

- Press one of the Arming Keys, then place a registered smartkey against the center of the smartkey reader. When the smartkey is read, the keypad will sound a beep – the system is armed.

3. Arming and Disarming

Arming can be defined as activating the system. When the system is armed, it monitors the zones that are protected by the sensors. If a sensor detects an intrusion, the system generates an alarm.


3.1. System Type - Partitioned /Unpartitioned

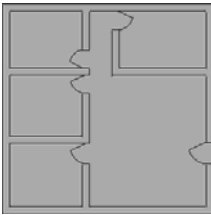
Your system may be defined in programming as partitioned or unpartitioned. Partitioning option allows you to divide your home into two sections (partitions) each of them being armed and disarmed independently of one another and of full arming.

 Partitioning must be enabled in programming by your installer.

3.2. Arming Modes: Unpartitioned Systems

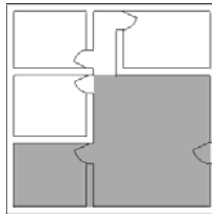
Three arming modes are available: Full, Part and Perimeter. These modes enable you to arm your system accordingly to suit different circumstances.

 In unpartitioned systems, you can only disarm all the active arming modes.



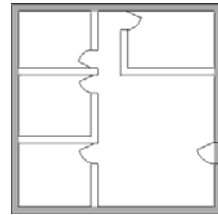
Full Arming

Full arming activates the entire system. This arming method is used when you intend to leave your home, leaving the premises empty.




Part Arming

This arming method enables you to arm a section of your home while remaining on a different part of the premises.



Perimeter Arming

Perimeter arming enables you to activate the perimeter zones (the windows and doors of your home) enabling you to move freely within the protected area.

 Certain sensors, such as smoke sensors, are always active regardless of system status.

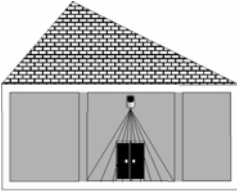
3.3. Arming Modes: Partitioned systems

If partitioning is enabled in programming, three arming modes are available: Full, Partition 1, and Partition 2.

Partitions are entirely customizable; each partition can be armed and disarmed independently.

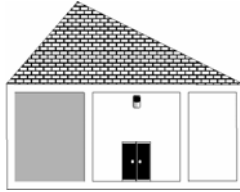
A common zone is a zone that belongs to both partitions. An alarm is generated from common zones only if the system has been Fully Armed or both partitions 1 and 2 have been armed.

In the following example one part of the house is assigned to Partition 1, another part to partition 2. The common zone is in the corridor that belongs to both partitions. In each diagram, the protected area is shaded.



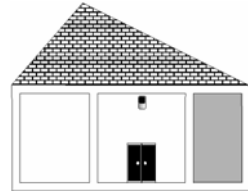
Full Armed/ Both Partitions Armed

The common zone is active, and the corridor is protected.



Partition 1 or 2 Disarmed.

The common zone is deactivated, and the corridor is disarmed. Now either user can access his partition through the corridor.



3.4. Arming the System

Before arming the system, check that all doors and windows are secured so that the system is ready for arming.

Arming with the Keypad

To arm the system using the front panel/wireless keypads:

- Press one of the three arming keys. In a partitioned system, press Part Arming key for partition 1 arming and Perimeter Arming key for partition 2 arming. The exit delay begins to count down. At the end of the exit delay, the system is armed.

Wireless Terminal EL-2724 does not support partitioning.



Enter your user code if One-Key arming is disabled.

To arm the system with smartkey (Wireless Terminal), one-key arming must be disabled.

Arming with the LCD Keypad

To full arm the system using the LCD keypad:

- Press FULL on the keypad; the exit delay begins to count down. At the end of the exit delay, the system is armed.

To Part or Perimeter arm the system, or to arm one partition in a partitioned system, using the LCD keypad:



1. Press PART on the keypad.
2. If One-Key Arming is disabled, enter your user code.

3. Arming and Disarming

3. Use the menu navigation buttons (▲/▼) to choose the required arming method.
4. Press ✓; the exit delay begins to count down. At the end of the exit delay, the system/partition is armed.


Arming with the Keyfob














Unpartitioned systems

In unpartitioned systems, the default functions for B1  is part arming and for B2 —perimeter arming.

Partitioned systems

If your system is partitioned, each keyfob is assigned to arm and disarm one partition or the whole system. Therefore, keyfob functionality in partitioned systems is defined by its partition set (see the table below).

 Partition set of each keyfob is programmed by your installer.

Function \ Partition set	Full Arm	Disarm the Whole System	Arm P1	Arm P2	Disarm P1	Disarm P2
P1 only						
P2 only						
Whole system (P1 and P2)		 → 			 → 	 → 

Example 1: The keyfob is assigned to Partition 1. To Arm Partition 1, press B1 button. To disarm Partition 1, press the Disarm button. It is not possible to Full arm/ disarm the whole system or to arm/disarm partition 2 with this keyfob.

Example 2: The keyfob is assigned to *both* partitions. To Arm Partition 1, press B1 button. To disarm Partition 1, press the Disarm button, and then press B1.

Combination Arming

There is an option to activate two arming modes simultaneously.

Unpartitioned Systems

In unpartitioned systems, the possible combinations are:

- Full + perimeter
- Part + Perimeter

For combination arming of unpartitioned systems, activate the first arming mode, and, while the exit delay of the first arming mode is counting down, activate the second arming mode. It is not important which arming mode you choose first.

It is not possible to activate Full and Part arming modes simultaneously.



It is necessary to disarm first when changing from one arming mode to another arming mode.

Partitioned Systems

In partitioned systems, all the arming modes are independent of one another and of full arming. You can arm or disarm the whole system and each partition no matter what is the state of the other partition.

Forced Arming

Forced arming enables you to arm when the system is not ready. For example, if a door protected by a magnetic contact is open, you may arm the system on condition that the door will be closed by the end of the Exit delay. If the door is still open after the exit delay expires, an alarm is generated.



Forced arming is available only if the option is enabled in programming.

Instant Arming

Instant arming is a feature that allows you to cancel the entry delay after Part or Perimeter, or Partition arming the system. For this feature to function, it must be enabled in programming by your installer.

To instantly arm the system.

1. Check if the system is ready to arm.
2. Press the Part or Perimeter arming button on the keypad (enter your user code if required).
3. Press and hold down ▲ on your keypad until the message *Instant Arming, OK?* is displayed.
4. Press ✓; the entry delay for the current arming period is canceled.

Supervised Arm


Supervised Arm is an optional feature designed to supervise intrusion sensor activity before you arm the system.

If Supervised Arm is enabled in programming and the system has not received a transmission from a sensor for a certain amount of time, all arming methods that include that sensor shall not be available.

In this case, press ▼ to check which sensor is causing the “System Not Ready” condition.

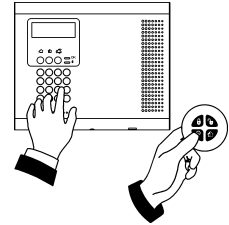
To make the required arming method available, activate the sensor. If activating the sensor does not help, there may be a problem with the sensor. You can bypass the faulty sensor's zone to allow system arming until the problem is remedied – see p. 30, 7.2. *Zone Bypassing/Unbypassing*.

3. Arming and Disarming

 Motion sensors have a three or four minute delay between transmissions.

3.5. Disarming the System


When you enter the premises, the entry delay begins to count down. You must disarm the system within the entry delay time to prevent the system from triggering an alarm.



Disarming the System Using the Keypad

Unpartitioned systems

■ Enter your user code – the system is disarmed.

 In unpartitioned systems, you can only disarm all the active arming modes.

Partitioned systems

■ Enter your user code to disarm the partition this user code is assigned to. If your user code is assigned to both partitions, the system prompts: "Select Partition".

- Within 6 seconds, press the part arming button for partition 1, perimeter arming button for partition 2, or Full arming button to disarm the whole system.









Disarming the System Using the Keyfob

Unpartitioned Systems

■ Press the disarm button.

Partitioned Systems:

■ If the keyfob is assigned to both partitions, two buttons shall be pressed. To disarm partitioned system, see the table below:

Function	Disarm the Whole System	Disarm P1	Disarm P2
Partition set			
P1 only			
P2 only			
Whole system (P1 and P2)	 → 	 → 	 → 

To disarm the System using a smartkey (if supported):

- Place a registered smartkey against the center of the smartkey reader of the Wireless Terminal – see p. 14 2.6 *Wireless Terminal Smartkey (Model Dependant)* . When the smartkey is read, the keypad will sound a beep – the system is disarmed.



Wireless Terminal EL-2724 does not support partitioning.

3.6. Arm Status and Other System Status Indication

The following table explains the various arm status descriptions as they appear on the LCD display.

DISARMED
11:22:02

Unpartitioned Systems

Status	Meaning
DISARMED	The system is disarmed.
FULL ARMED	
PART ARMED	
PERIMETER ARMED	The system has been armed using the displayed arming method.
PART ARMED INST	
PERIM ARMED INST	
FULL ARMING	
PART ARMING	
PERIMETER ARMING	The system is in the process of arming using the displayed arming method (displayed during exit delay).
PART ARMING INST	
PERI ARMING INST	

Partitioned Systems

Status	Meaning
DISARMED	The system is disarmed.
SYSTEM ARMED	The system has been armed.
PART 1 ARMED	
PART 2 ARMED	Partition 1/partition 2 has been armed.
SYSTEM ARMING	The system is in the process of arming
PART 1 ARMING	
PART 2 ARMING	Partition 1/partition 2 is in the process of arming.

3. Arming and Disarming



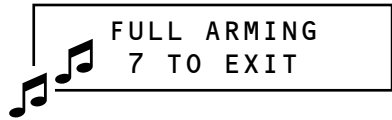
The system may be programmed to display arm status at all times or only for the first two minutes or 30 seconds after you arm or disarm the system.

In addition to arm status, the system displays messages on statuses that may prevent you from arming your system (*see the following table*):

Status	Meaning
ZONES IN ALARM	Zones have been violated.
TAMPER ALARM	The system has been tampered with.
SYSTEM NOT READY	The system is not ready to arm, check that all doors and windows are closed.
KEYPAD LOCKED	Five unsuccessful attempts were made to enter a user code, the keypad is locked for 30 minutes. If this message appears, it is still possible to arm/disarm the system using a keyfob. Arming is possible using a keypad if one key arming is enabled.
SYSTEM TROUBLE	A trouble condition has been detected, press ▼ for further details.

3.7. Arming Tones

Arming tones are the chimes that the system sounds during the entry/exit delay and when the system arms or disarms. Various options are available that determine the pattern of these tones.



Arming tones may be sounded by either the external wireless siren or the control panel's built-in siren.

3.8. Remote Arming/Disarming

Remote Arming/Disarming via SMS

You can arm and disarm the system remotely by sending the SMS commands from a cellular phone to the cellular communications module.

Each SMS command contains the following elements:

- SMS Command Descriptor (up to 43 characters of free text)
- # (separates the descriptor from the actual command)
- User Code
- Command (120=Disarm, 121=Full Arm, 122=Part Arm/Partition 1 Arm, 123=Perimeter Arm/Partition 2 Arm, 124=Full + Perimeter Arm, 125=Part

+ Perimeter Arm/Partitions 1 and 2 Arm, 128=Partition 1 Disarm, 129=Partition 2 Disarm, 200=Arm Status*)

The following example shows the format of an SMS command for disarming the system:

SMS Command Descriptor								User Code				Command		
D	I	S	A	R	M	#	1	2	3	4	1	2	0	



While the SMS Command Descriptor is optional, you must start the SMS command with the # symbol for the system to accept the command. Don't use "#" symbol within the descriptor text.

Arm Status Reply

On receiving an Arm Status request message (see command "200" above), the system returns a status message to the sender. This message includes the system status and the descriptor of the user or the device used to arm/disarm the system.

The following example shows an Arm Status Reply message reporting that the system was fully armed by Master User.

F	U	L	L	A	R	M	E	D	-	M	A	S	T	E	R	U	S	E	R
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SMS Confirmation Message

After an SMS command is executed by the system, if programmed by your installer, a confirmation message may be returned to your mobile phone. The following example shows the confirmation message you receive for the sample command from the previous section.

D	I	S	A	R	M	E	D
---	---	---	---	---	---	---	---

Remote Arming/Disarming via the Telephone

Using the Telecontrol feature, you can arm and disarm the system via the telephone. For further information on the Telecontrol features, see p. 27, 6. *Telecontrol*.

Remote Arming/Disarming via WUAPP and WAP

You can arm and disarm the system remotely using the WUAPP (Web User Application) and WAP – see Appendix B: *Web User Application*.

* Master code is required for the Arm Status command.

4. Panic Alarms

Panic alarms enable you to send a message to the monitoring service in the event of an emergency. There are various types of panic alarm and several methods you can use to generate them.

4.1. Keypad Alarms

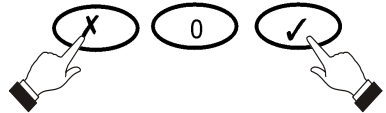
To activate an SOS Panic alarm from the front panel keypad/wireless keypads:

- Press and hold down the Home Automation On and Off buttons simultaneously.



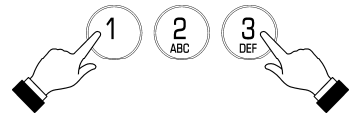
To activate an SOS Panic alarm from the LCD keypad:

- Press and hold down the ✓ and X buttons simultaneously.



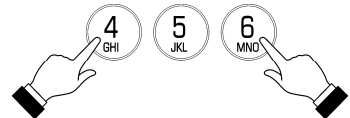
To activate a Fire alarm from the front panel keypad or LCD keypad:

- Press and hold down buttons 1 and 3 simultaneously.



To activate a Medical alarm from the front panel keypad or LCD keypad:

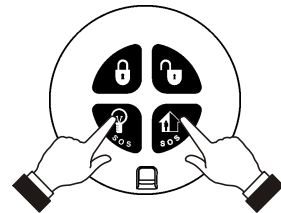
- Press and hold down buttons 4 and 6 simultaneously.



4.2. Keyfob Panic Alarm

To activate a Panic alarm using the four-button keyfob (EL-2714):

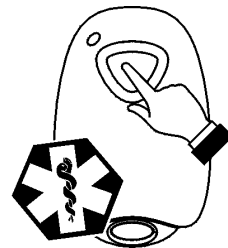
- Press the lower two buttons simultaneously.



4.3. Medical Emergency

The one-button keyfob (EL-2611) is designed to send a message to your monitoring service in the event of a medical emergency.

The transmitter is water-resistant and can be worn around the neck as a pendant.



5. Home Automation and PGM

Home Automation is an optional feature that requires an add-on expansion module. Home Automation enables you to control up to 16 individual lights and appliances around the home (HA units), and PGM output. PGM is a programmable output that is triggered according to specific system status conditions, or by remote command sent via PSTN, GSM, Ethernet, keyfob, keypad, or Remote Programmer.

HA units and PGM programmable output can be controlled (using the keypad and keyfobs, remotely by telephone or SMS) or programmed to react to specific system status conditions. For example, an HA unit can be programmed to switch on when the system is armed or when a specific zone is triggered.

How an HA unit reacts to the On command is determined by the installer in programming. The HA unit can be programmed to switch on until the Off command is received/the end of status condition that turned it on, or automatically switch itself off after a pre-programmed amount of time.


Scheduling options enable you to program On and Off times for each HA unit. This feature is found in the main menu. For further information on how to navigate the menu, refer to Advanced System Operation.

Additionally, the Randomize feature is designed to switch lights on and off at night when the system is armed (This feature can be enabled by your installer). This gives potential intruders the impression that the house is occupied.


5.1. Keypad Control

Two buttons on the keypad enable you to send On and Off commands to HA units, activate and deactivate PGM output.

To turn HA units on using the keypad:

1. Press the HA On  button.
2. Enter the two-digit HA unit number (01-16, or 30 for PGM); the chosen HA unit switches on.

To turn HA units on using the keypad:

1. Press the HA Off  button.
2. Enter the two-digit HA unit number (01-16, or 30 for PGM); the chosen HA unit switches off.

5.2. Keyfob Control

You can control two separate HA units and/or PGM using the four-button keyfob. This option can be programmed by the installer. *See p. 10, 2.5. Keyfobs.*

5.3. Telephone Control

Using the Telecontrol feature, you can control HA units and PGM output remotely via the telephone. For further information on the Telecontrol features, see p. 27, 6. Telecontrol.

5.4. SMS Control

If your system supports cellular communication, you can control HA units and PGM remotely via your mobile phone using a number of SMS commands. The SMS commands are designed to be entered as templates on your mobile phone.

Each SMS command contains the following elements:

- SMS Command Descriptor (up to 43 characters long)
- # (separates the descriptor from the actual command)
- User Code
- Command (0=Off, 1=On)
- HA Unit Number (01-16, or 30 for PGM)

The following example shows the format of an SMS command to switch on a water boiler controlled by HA unit 08.

SMS Command Descriptor										User Code				On	Unit	
B	O	I	L	E	R		O	N	#	1	2	3	4	1	0	8



Do not include the symbol '#' in the descriptor as the system regards any text after this symbol as part of the command. The SMS Command Descriptor is optional but you must still enter the '#' before the user code.

SMS Confirmation Message Format

After an SMS command is executed by the system, if programmed by your installer, a confirmation message may be returned to your mobile phone. This message includes the HA unit's descriptor and the command that was sent. The following example shows the confirmation message you receive for the sample command from the previous section.

B	O	I	L	E	R	-	O	N
---	---	---	---	---	---	---	---	---

5.5. Scheduling (not relevant to PGM)

The Scheduling feature allows you to set an On and Off time for each HA unit. At these times the system automatically switches the HA unit on and off. You can also choose the days of the week that the schedule is active. Scheduling is also available on the WUAPP (Web User Application) and WAP – see p. 48, Appendix B, WEB User Application, Automation.

On Time

To edit an HA unit's "On" Time:

1. From the main menu, select HA Schedules [8].
2. Select an HA unit.
3. From the HA unit's sub-menu, select On Time.
4. Enter a time (HH:MM).

Off Time

To edit an HA unit's "Off" Time:

1. From the main menu, select HA Schedules [8].
2. Select an HA unit.
3. From the HA unit's sub-menu, select Off Time.
4. Enter a time (HH:MM).

Weekly Schedule

To program the days of the week that the schedule is active:

1. From the main menu, select HA Schedules [8].
2. Select an HA unit.
3. From the HA unit's sub-menu, select Schedule.
4. Use buttons 1 to 7 to toggle the days on and off.

Press...	To toggle...	Press...	To toggle...
1	Sunday	5	Thursday
2	Monday	6	Friday
3	Tuesday	7	Saturday
4	Wednesday		

6. Telecontrol

The iConnect Control System offers a range of Telecontrol features that provide remote access via the telephone. These features include Two-Way Audio, remote arming/disarming and siren cancel.

Two-Way Audio

You may use the Two-Way Audio features to check your home in the event of an alarm or as an alternative means of communicating with members of your family. For example, you may wish to call an elderly person who has difficulty reaching the phone. Using its Two-Way Audio features, the Control System automatically picks up the call and you can communicate via its built-in microphone and speaker.

6.1. Calling your Home

You may call your home at any time in order to contact your family, operate your system or check your home while you are away. This feature is available for both regular telephone communication and cellular communication.

Making a Call using a Regular Telephone

When your security system shares a telephone line with other devices (e.g. telephone handsets, an answering machine or fax), it is important that the Control System distinguish between calls so that it knows when to pick up the relevant call. For this purpose the iConnect employs a double call method.

To make a call to the Control System using the double call method:

1. Dial your telephone number.
2. Wait for two or three rings then hang-up.
3. Wait at least five seconds and dial the number again; on the second ring, the Control System picks up and sounds two tones.

Making a Call to the Cellular Communications Module

If your system supports cellular communication, the Cellular Communications Module has its own individual telephone number. Therefore, the double call method is not necessary and you may call the Control System directly.

Call Procedure

To prevent unauthorized attempts to call your Control System, you must enter a user code when calling your home – *see p. 32, 7.3. User Codes, Code 29.*


To call your home:

1. Call the Control System either using the double call method or directly (*see above*); when the Control System picks up, two tones are sounded.
2. Enter the telecontrol code (Code 29) on your telephone within 15 seconds.



Do not enter your user code until you hear the two tones. Any digits entered before the tones are sounded are disregarded by the system.

3. A tone is sounded to indicate that the system is ready to receive commands. The following commands are available for unpartitioned systems:

- Press "2" for Two-Way Audio.
If the TWA mode is defined as "Simplex" (see p. 29, 6.5. *Simplex Mode*), the audio channel opens in Listen mode (microphone active/speaker mute). To switch to Speak mode, press "1" on your telephone. To switch back to Listen mode, press "0" on your telephone.
-  During the TWA session, you can adjust the speaker volume using the arrow buttons.
- Press "3" to fully arm the system.
- Press "4XX" to turn HA unit #XX ON.
- Press "430" to activate PGM output (Unit 30)
- Press "5XX" to turn HA unit #XX OFF.
- Press "530" to deactivate PGM output (Unit 30)
- Press "6" to disarm the system.
- Press "9" to cancel the siren.

For partitioned systems, arming and disarming commands are different:

- Press "31" to fully arm the system.
- Press "32" to arm partition 1.
- Press "33" to arm partition 2.
- Press "61" to disarm the entire system.
- Press "62" to disarm partition 1.
- Press "63" to disarm partition 2.

The Arm/Disarm, Home Automation/PGM on/off, and Siren canceling can also be executed at any time during a Two-Way Audio session.



Error beeps (three tones) sound in case of a wrong command.

To clear the last command, press "*" or "#".

4. The duration of the call is an option programmed by your installer. Ten seconds before the end of the call, two short tones are sounded. To extend the call, press "7" on your telephone.
5. To disconnect before the end of the call, press "*" then "#" on your telephone.



Siren Muting


The siren is muted during Two-Way Audio communication. At the end of the call, the siren is re-activated (if the Siren Cut-Off has not yet expired). You can cancel the re-activation of the siren by pressing “9” on your telephone during the call.

6.2. Service Call

The Service Call feature enables you to call the monitoring service.

To make a Service Call:

- Press and hold down the up arrow button  and then press and hold Service Call button  for a few seconds.

 If using Simplex mode, the call is connected in Listen mode – see p. 29, 6.5. *Simplex Mode.*

6.3. Two-Way Audio after an Alarm


In the event of Burglary, Fire and Medical alarms, the Control System is able to report the events and then stay on the line. This allows the monitoring service to verify the alarm or provide assistance in the event of an emergency.

6.4. Two-Way Audio Follow-Me

This feature causes the Control System to call you in the event of an alarm so that you may check your family and home.

When the Control System calls, you will hear two short tones when you pick up the phone. Press “2” on your telephone to answer the call.

If you press “9” to answer the call, the Control System simultaneously cancels the siren when you answer the call.

 If using Simplex mode, the call is connected in Listen mode – see p. 29, 6.5. *Simplex Mode.*

6.5. Simplex Mode

It is possible that the Two-Way Audio features on your system are programmed to operate in “Simplex” mode. Simplex mode means that one party may speak while the other party listens.

If using Simplex mode, the call is connected in Listen mode. In Listen mode, the microphone on the Control System is turned on so that you can listen in. If you want to switch to Speak mode, press “1” on your telephone.

In Speak mode, the microphone is turned off and the speaker is turned on so that you can speak to the person on the other end of the line. If you want to switch back to Listen mode, press “0” on your telephone.

7. Advanced System Operation

Besides the basic functions described in the previous chapters, you can access additional functions via the menu. This chapter describes these functions and the menu navigation procedure.

Menu Navigation

Using the LCD keypad on the front panel, you can navigate through the menus using the menu navigation buttons (▲/▼) and make simple yes/no decisions using the ✓ and ✕ buttons.

The availability of menu items depends on the user code that you used to enter Menu mode. Some menu items are limited to the master code only (User 1). Certain menu items, such as system programming functions, are not intended for the user and can only be accessed by the installer.

The following example explains the procedure for Event Log viewing (master code access only).

1. Press ✓ to enter Menu mode.
2. Enter the master code; the first menu item in the main menu, *1. Cancel Report* is displayed.
3. Press ▼ until *6. Event Log* is displayed.
4. Press ✓ to enter the Event Log menu; *1. View Log* is displayed.
5. Press ✓ to choose the displayed item.

Press ✕ if you do not want to choose the displayed item. Pressing ✕ also takes you back to the previous menu level.



Menu mode automatically terminates two minutes after the last keystroke.

Throughout this chapter, we have tried to include all of the system functions using a similar structure and order as they appear in the menu.

7.1. Cancel Report

The Cancel Report function enables you to prevent the system from reporting in the event of a false alarm.

To cancel report:

- From the main menu, select Cancel Report [1]; all pending messages to the monitoring service are canceled.

7.2. Zone Bypassing/Unbypassing

When a zone is bypassed, its sensor is ignored by the system and does not generate an alarm when triggered.

To bypass or unby pass a zone:

1. From the Bypass Zones menu, select Bypass/Unbyp. [21].

7. Advanced System Operation

- Using the arrow buttons, scroll to the zone you want to bypass or unbypass.
- Press ✓ to change the bypass status.
- Press ✕ ; *Save Changes?* is displayed.
- Press ✓ to confirm the changed bypass status.

To unbypass all zones:

- From the Bypass Zones menu, select Unbypass All [22].
- Press ✓ ; all zones are unbypassed

All bypassed zones will be automatically unbypassed when the system is disarmed.



A fire zone cannot be bypassed.

7.3. User Codes

The iConnect supports a variety of individual user codes. Each of these codes is four digits long. Most system functions require you to enter a valid user code.

The ability to perform a function is defined by your user code's authorization level. These authorization levels are pre-defined for each code as explained below.

Code 1: Master Code

The master code is the highest user authorization level. With the master code, you can edit all other user codes. Additionally, the master code grants access to the Event Log, the Service menu and Home Automation Schedule programming. In partitioned systems, the master code is always assigned to both partitions.



The default master code is 1234. Change this code immediately after the system has been installed!

Codes 2-19: Controlled Codes

When you use a controlled user code for arming and disarming, the system notifies the monitoring service.

Codes 20-25: Non-controlled Codes

Non-controlled codes do not cause the system to send Arm/Disarm reports to the monitoring service. The system sends a Disarm report only if you use this code to disarm the system after an alarm occurrence.

Codes 26-27: Limited Codes

A limited code enables you to issue a code that is valid for one day only. This code automatically expires 24 hours after it has been programmed.

Code 28: Duress Code

The duress code is designed for situations where you are being forced to operate the system. This user code grants access to the selected operation, while sending a Duress event message to the monitoring service.

Code 29: Telecontrol Code

The telecontrol code is designed to enable the user to perform a number of tasks via their telephone. Using this code, the user can call their system to arm and disarm, turn on and off HA units, activate and deactivate PGM output, cancel the siren or establish Two-Way Audio communication.

In partitioned systems:

The master code and the telecontrol code are assigned to full arming and to both partitions.



The controlled, non-controlled and limited codes can be assigned either to partition 1 only, or to partition 2 only, or to the whole system. These codes can be used for arming and disarming, according to their partition set.

Editing User Codes

User code editing is a feature that is available exclusively to the master code. To maintain a high level of security, keep all user codes confidential.

To edit a user code:

1. From the main menu select, User Codes [4].
2. Select the code you want to edit;
3. From the code's sub-menu, select Edit Code; the 4-digit code is displayed with the cursor flashing on the first digit.
4. Edit the code.
5. Press ✓; the new code is stored in the memory.



If you enter a code that is identical to an existing user code, the Control System sounds an error tone and the new code is not accepted. 0000 is not a valid user code as this value is used to delete a user code.

Deleting User Codes

As an additional security measure, make certain that you delete any extra codes that are no longer required.

To delete a user code:

1. From the main menu select, User Codes [4].
2. Select the code you want to delete;
3. From the code's sub-menu, select Edit Code; the 4-digit code is displayed with the cursor flashing on the first digit.
4. Enter 0000.
5. Press ✓; the code is deleted.





The master code cannot be deleted.

User Code Descriptors

Using the alphanumeric keypad on the front panel, you can edit the 16-character user code descriptors and enter the name or title of the users to whom the code is allocated.

7. Advanced System Operation

To enter text, press a button repeatedly to scroll through the characters that appear on the button. For example, press *6MNO* to enter M, N, O, or 6 respectively. You can also use the 1 and 0 buttons to enter symbols. After you enter text, the cursor automatically moves to the next character. Editing a descriptor, use the HA On  button to enter a space before the current character. Use the HA Off  button to delete the current character.

To edit a user code descriptor:

1. From the main menu, select User Codes [4].
2. Select a code.
3. From the code's sub-menu, select Descriptor.
4. Edit the descriptor using the alphanumeric keypad.

User Code Partition Set

In partitioned systems, controlled, non-controlled, and limited codes can be assigned to full arming, partition 1, partition 2, or to both partitions and full arming.

To program the Partition set option:

1. From the main menu, select User Codes [4].
2. Select a code.
3. From the code's sub-menu, select Partition Set [#3]; the code's current Partition Set setting is displayed.



When you assign a code to both partitions, assign it to full arming also.

Partition Set	Description
123 (F)	The user code is assigned to both partitions <u>and</u> full arming.
2 (P1)	The user code is assigned to partition 1.
3 (P2)	The user code is assigned to partition 2.

4. Use the buttons 1, 2 and 3 to toggle the current setting, press ✓.

7.4. Follow-Me

The Follow-Me feature is designed to notify the user that certain events have occurred. Notification is made by SMS to your cellular phone or by opening a two-way audio channel.



If using the TWA Follow-Me feature, the audio channel is opened after alarm events only.

To edit the Follow-me number:

1. From the main menu, select Telephone #, Follow me # [51].

2. Enter a telephone number for Follow-Me communication. If using the SMS Follow-Me feature, this number must be for a cellular phone with the capability to receive SMS messages.



You may only access Follow-me programming if the protocol for Account 3 is programmed as SMS or TWA Follow-me.

7.5. Speed Dial Numbers

Speed Dial feature allows you to call five speed dial numbers from your Control System. For the Speed Dial call procedure, *see p. 6, Speed Dial*.

To program one of the Speed Dial numbers:

1. From the main menu, select Telephone # [5].
2. Select the speed dial number to be programmed.
3. From the Speed Dial's sub-menu, select Phone Number [#1].
4. Enter the speed dial number.


To program the Speed Dial interface:

1. From the main menu, select Telephone # [5].
2. Select the speed dial number to be programmed.
3. From the Speed Dial's sub-menu, select Interface [#2].
4. Select GSM or PSTN.

7.6. Event Log

The event log records events that have occurred within your security system. When the log is full, the oldest events are automatically erased and are replaced by new events.

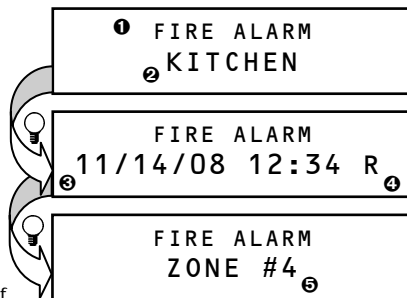
To view the event log:

1. From the Event Log menu, select View Log [61]; the most recent event is displayed.
 - Press the HA On  button to display the Time/Date stamp or the default descriptor on the second row of the display.
2. Use the arrow buttons to scroll through the events.
3. When you have finished viewing, press **X** to exit the log.

The event log displays the following information for each event:

7. Advanced System Operation

- ❶ The event – a brief description of the event that occurred.
- ❷ Zone descriptor – exactly where the event occurred.
- ❸ Time/date stamp – the exact time the event occurred.
- ❹ Report details – a single character indicating whether the event was reported to the central station. The options available are R: Report Sent, F: Report Failed or N: No Report.
- ❺ Default descriptor – in this case the number of the zone.



The above example shows the event log entry for a Fire alarm in the Kitchen (Zone 4) on November 14th 2008. The report was successfully reported to the central station.

7.7. Service Menu

The Service menu includes various functions that enable you to test your system effectively. You can gain access to the Service menu using the master code.



Set Time & Date

To set the time:

1. From the Service menu, select Set Time/Date, Set Time [7011].
2. Enter the current time.

To set the date:

1. From the Service menu, select Set Time/Date, Set Date [7012].
2. Enter the current date.

 The format of time and date is defined by your installer in programming. If you are setting the time in 12hr format, use the HA On  key to toggle between AM and PM.

Message Center

The Message Center is designed to allow you to record a short message that may be played back later by another user. After a message is recorded, *Message Waiting* is displayed on the LCD until the message is played back.

To play back a recorded message:

- From the Service menu, select Messages, Play Message [7021].

To record a message:

1. From the Service menu, select Messages, Record Message [7022].
2. Press ✓ to start recording the message.
3. Record your message. The message may be up to twenty seconds long.
4. Press ✓ to stop recording; the message is automatically played back and OK? is displayed.
5. Press ✓ to save your recording.

To delete a message:

1. From the Service menu, select Messages, Delete Message [7023]; OK? is displayed.
2. Press ✓; the message is deleted.

The Record and Play options can also be accessed via a convenient shortcut without needing to enter a valid user code.



To access the Record Message option from Standby mode, press ▲ then X.

To access the Play Message option from Standby mode, press ▲ then ✓.

Siren Tests

To test the external wireless siren:

- From the Service menu, select WL Siren Test [703]; the wireless siren is sounded briefly.

To test the built-in siren:

- From the Service menu, select Siren Test [704]; the built-in siren is sounded briefly.

Interface Test

The Interface test enables you to check if the speaker, LEDs and LCD are functioning correctly.

To test the system interface:

- From the Service menu, select Interface Test [705]; a short sequence of chimes are sounded from the speaker, all LEDs flash and the LCD is tested on all connected LCD keypads.

Walk Test

Walk Test mode enables you to test all the sensors registered to your system without triggering an alarm.

To initiate Walk Test mode:

1. From the Service menu, select Walk Test [706]; a list of registered sensors appears.
2. Trigger each sensor; when the system receives a successful transmission from a sensor, the sensor is removed from the list.
3. When all the sensors are removed from the list, End Walk Test is displayed.
4. Press X to exit Walk Test mode.

Transmitters

The Transmitters menu offers two utilities, TX List and TX Test.

The TX List comprises all registered transmitters and their last reported status.

To view the TX list:

1. From the Service menu, select Transmitters, TX List [7071]; the first transmitter on the list is displayed.

7. Advanced System Operation

- Using the arrow buttons, scroll through the transmitter list.
- When you have finished viewing, press **X** to exit the list.


The TX list and TX test display the following information on each transmitter:



- The transmitter's Descriptor
- The signal strength of the last received transmission
- An abbreviation indicating the last received status of the transmitter

Status	Meaning	
OK	The transmitter is functioning correctly	
TA	Tamper condition	
BT	Battery low	Notify
OS	The transmitter is out of synchronization	your installer
NA	The transmitter is inactive	



Press The HA on  key to display the transmitter's default descriptor.

The second utility, TX Test enables you to identify transmitters.

In TX Test mode, each time a transmission is received, a chime is sounded and the activated transmitter's details are displayed.

To initiate TX Test mode:

- From the Service menu, select Transmitters, TX Test [7072].
- Activate a transmitter; the transmitter's details are displayed.
- When you have finished, press **X** to exit TX Test mode.

Audio Volume

To adjust the sensitivity of the microphone and the volume of the speaker:

- Establish a two-way audio connection.
- During the two-way audio session, from the Service menu, select Audio Volume [708].
- Adjust the setting according to the following table.

Reading	Meaning
1	Increase microphone sensitivity
4	Reduce microphone sensitivity
3	Increase speaker volume
6	Reduce speaker volume

Display Version

To display the system's software and hardware versions:

- From the Service menu, select Version [710]; the software (SW) and hardware (HW) versions are displayed.

Enable Programming

The installer or the Central Station are able to connect with the system (locally from the programming menu or remotely with RP using regular telephone, cellular communication, or through the Internet) in order to check the system status, program the control system, and change its settings.

If Installer Access and/or RP Access are programmed as "user initiated" the installer or the Central Station can not access the control system unless the Master User grants access with Enable Programming command.

To give access to programming:


- From the Service menu, select Enable Prog. [711]; a 30-minute time window is opened during which the Installer or RP gain access to the control system programming.

Global Chime

Each sensor can be programmed by your installer to cause the system to chime when activated. This feature is active only when the system is disarmed. For example, the system can be programmed to sound a chime each time the front door is opened or closed. The Global Chime option enables you to turn this feature on and off.

To enable or disable Global Chime:

1. From the Service menu, select Global Chime [712].
2. Select either Enable or Disable.

 Global Chime can also be accessed via a convenient shortcut without needing to enter a valid user code. To access the Global Chime option from Standby mode, press **▲**, then **▼**.

Remote Firmware Update

There is an option of control system software version update from a remote PC using WEB communication. If Remote Programming is programmed as "user initiated" such update cannot be made unless the Master User grants access to it with Remote Software Update command.

To give access to Remote Firmware Update:

- From the Service menu, select SW Update [713]; a 24-hours time window is opened during which the Remote Firmware Update may be performed.

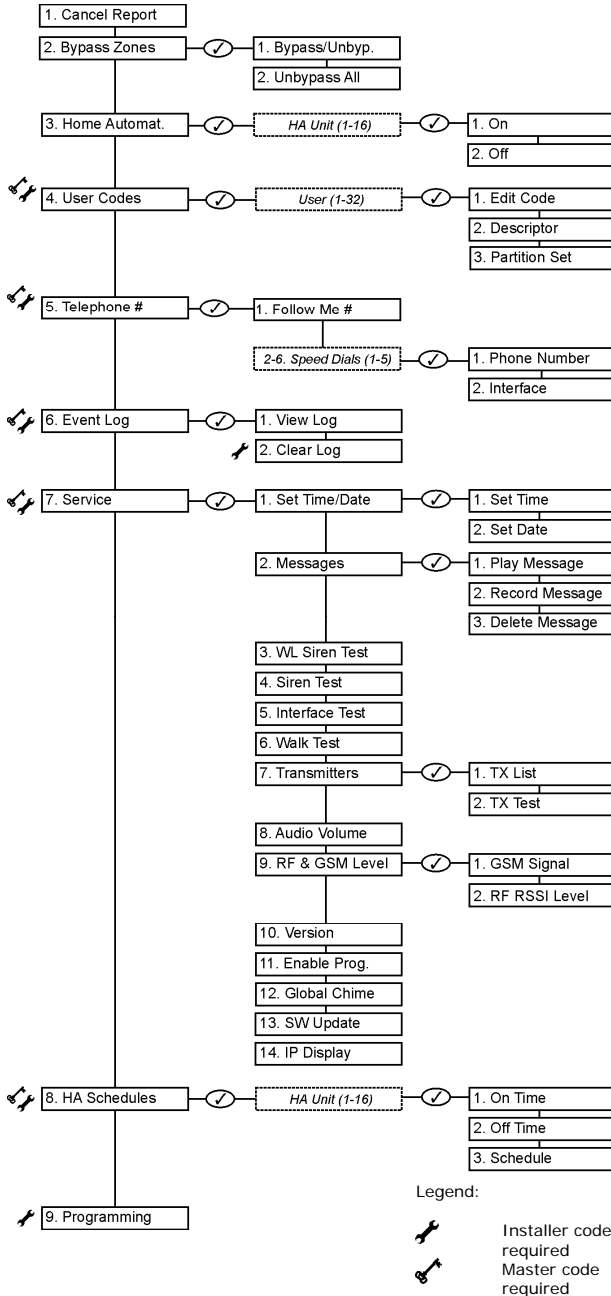
IP Display

When using Ethernet connection, you can view the LAN IP address of the Control System, i.e. the address that your home router has assigned to the Control System.

To display the IP Address:

- From the Service menu, select IP Display [714]; the LAN IP address of the Control System is displayed.

Appendix A: Menu Structure



Appendix B: Web User Application

The Web Application provides a full interface to all of the system’s user functions. Via the Web, the end user can perform a wide range of tasks such as arm/disarm, zone bypass, user code management and home automation control. You can also access the Web User Application from your cellular phone or PDA using the WAP portal.

Log In Page

This application is usually part of the service provider’s Web site and requires the end user to log in to gain access to the page.

To enter the Web Application, on your browser enter the Web page address supplied by your WEB service provider and press Go. You will see the Login Page.



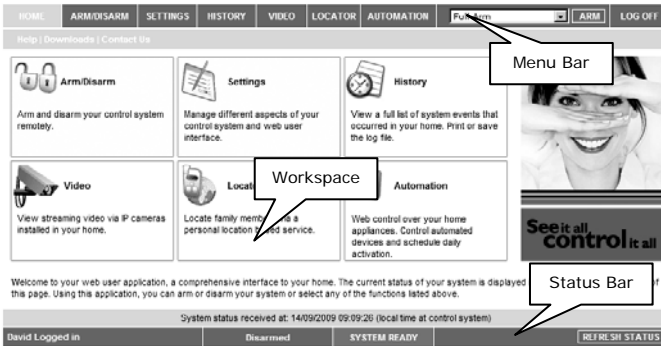
To login to the Web Application, enter your user name and password supplied by your WEB service provider, and the passcode which is your User Code, then click the Enter button.



For your system security reasons, you must change the password immediately at first login. You can change your password on the Change Password page that is accessible from the Settings menu. Your new password should be no less than six characters and must start with a letter – see p. 49, *Change Password*.

The Main Page

After logging in, your system's home page (Main Page) is displayed.



When using WAP service of your cellular phone, the main page looks the following way:



Menu Bar

The Menu Bar includes the Main Menu, arm/disarm options list, and the Log Off button. The Main Menu offers links to various pages in the Web Application. Use the Logoff button on the right side menu to properly close the session.

The following options are available from the Main Menu:

- Home – pressing the Home button allows the user to return to the Main page at any time.
- Automation – allows control or scheduling of automated lights and appliances.
- Video – provides access to view streaming video from IP cameras.
- My Account – offers various options including user code and contact management, event log viewing and zone bypass.

- Help – offers online explanations on how to use the Web Application plus FAQ and customer support options.

Status Bar

The Status bar displays information on your system's status and the name of the user currently logged in. Above the status bar, the time when the system status display was last updated is shown. This information is displayed according to the local time at the control system. When logging into the WUApp with a GPRS Control System, the system status refreshes automatically, and can be refreshed manually as well. To refresh the current system status, click the Refresh Status button on the right-hand side of the Status bar.

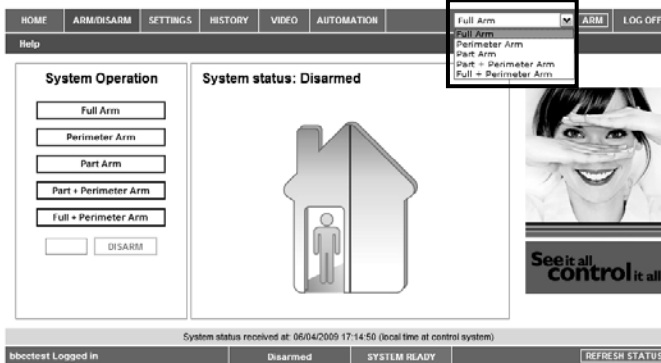
Workspace

The workspace offers additional links to the following pages of the application: Users and Codes, History, Automation, Alerts, Change Password, Video. When you choose a page, either from the Main Menu, or from the workspace, the page is displayed in the workspace. For example, if you choose Automation from the Main Menu, a list of automated appliances is displayed in the workspace.

- ☞ SMS alerts relate only to SMS sent from ELAS (WEB User Application).

Options Available from Main Page

Arm/Disarm



You can arm and disarm the system using the Arm/Disarm drop-down box (upper-right part of the page) or using the buttons in the System Operation Area.

The Web Application allows you to arm and disarm your system via the Web Application using any of the available arming methods. It is important to note that when you arm using the Web application, the system is armed with the programmed delay.

1. On the Status Bar below on the page you can see the current status of the system (in our example it is Disarmed and System Ready, which means that

the system and all the detectors are working properly and there are no events to report).

- It is possible to check if there were alarms in the system – see p. 52, *History*.

System Users and Codes

In this area you can add, delete, or change users and the User Codes for your system (for example, add codes for family members).

- On The Main Page menu, click Settings.



- Click System Users and Codes, the following page appears:



Web Interface Users and Codes

The Users and Codes page provides a useful tool for managing your system’s users. From this page you can add, edit and delete users as required. You can even issue temporary (limited) codes to guests that will expire after 24 hours.

For further information on user codes and their various uses, see p. 32, 7.3. *User Codes, Code 29*.

On The Main Page menu, click Settings, then Web Interface Users and Codes, the following page appears:

HOME ARM/DISARM SETTINGS HISTORY VIDEO AUTOMATION Full Arm ARM LOG OFF

System users and codes | **Web interface users and codes** | Change Password | Zone Bypass | Change Appearance | Alerts | Help

LIST

#	Login Name	Full Name	Email	Edit	Delete
1	bbctest	bbctest	bbctest@bbctest.com	Edit	Delete

ADD NEW

System status received at: 06/04/2009 17:14:50 (local time at control system)

bbctest Logged in Disarmed SYSTEM READY REFRESH STATUS

Change Password

Click Settings, then Change Password to change the password you use to login to the Web Application.

HOME ARM/DISARM SETTINGS HISTORY VIDEO AUTOMATION Full Arm ARM LOG OFF

System users and codes | Web interface users and codes | **Change Password** | Zone Bypass | Change Appearance | Alerts | Help

CHANGE PASSWORD

New Password

Confirm new Password

Old Password

SET NEW PASSWORD

Please enter a new password.
Changing your password will not affect your user name.

System status received at: 06/04/2009 18:01:40 (local time at control system)

bbctest Logged in Disarmed SYSTEM READY REFRESH STATUS

Zone Bypass

On The Main Page menu, click Settings then Zone Bypass to bypass certain zones in your home that you don't want to receive event messages from – see p. 30, 7.2. *Zone Bypassing/Unbypassing*. Select the checkboxes for the zones you want to bypass.

HOME ARM/DISARM SETTINGS HISTORY VIDEO AUTOMATION Full Arm ARM LOG OFF

System users and codes | Web interface users and codes | Change Password | **Zone Bypass** | Change Appearance | Alerts | Help

ZONE BYPASS

#	Name	State	Trouble	Action
1	FRONT DOOR	Ready	No	<input type="checkbox"/> Bypass
2	BACK DOOR	Ready	No	<input type="checkbox"/> Bypass
3	GARAGE DOOR	Ready	No	<input type="checkbox"/> Bypass
4	KITCHEN DOOR	Ready	No	<input type="checkbox"/> Bypass
5	SIDE DOOR	Ready	No	<input type="checkbox"/> Bypass

UPDATE

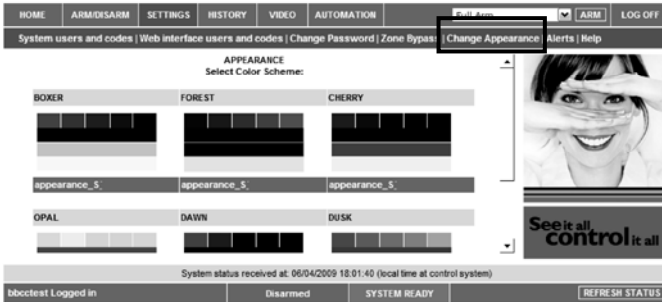
Please click "update" or "Refresh status" to view current bypassed zones.

System status received at: 06/04/2009 18:01:40 (local time at control system)

bbctest Logged in Disarmed SYSTEM READY REFRESH STATUS

Change Appearance

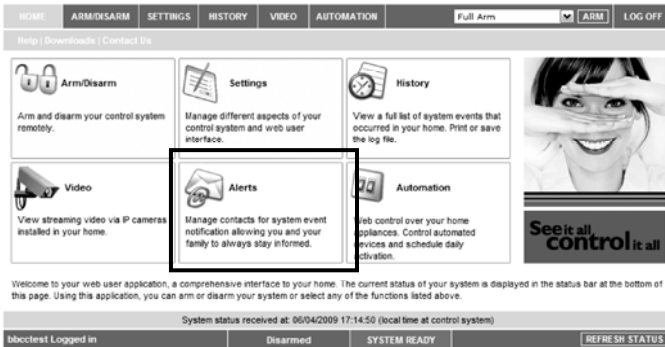
On The Main Page menu, click Settings, then Change Appearance to change the color scheme of your account.



Alerts

The Alerts page allows you to enter the details of contacts you wish to be informed when events occur in your system. For example, you can enter your own email address and/or cellular phone number so that you will receive email or SMS notification in the event of an alarm.

1. On The Main Page menu, click the Alerts area.



The following page appears:

Contact Name	Email Address	SMS Phone	Test	Edit	Delete
John Doe	John.Doe@email.com	1234567890	Test	Edit	Delete

ADD NEW

2. Press Add new to add email addresses or cellular telephone numbers for the alert messages.

Events	Email	SMS
Arm/Disarm	<input type="checkbox"/>	<input type="checkbox"/>
Fire	<input type="checkbox"/>	<input type="checkbox"/>
Burglary	<input type="checkbox"/>	<input type="checkbox"/>

3. In the Contact Name field, enter the name of the contact to receive alerts.
4. In the Email Address field, enter the email address for email alerts.
5. In the Cellular Phone # field, enter the cellular phone number for SMS alerts.
6. To start receiving the events messages, in the area below, select the checkboxes according to the event type and message type you prefer (email or SMS).
7. Test the alerts you have programmed by clicking the Test button on the Alerts page near the newly added alert.

History

The History page enables you to view the system's event log. The events are arranged in a table that offers the advantage of allowing you to view a large number of events at once. In addition to viewing the event log, you may also save the log to a file (HTML, PDF or RTF) or print the log.

For further details on how to use the Web Application, refer to the Help menu included in the application.

- On The Main Page menu, click History, the following page appears:

HOME ARM/DISARM SETTINGS **HISTORY** VIDEO AUTOMATION Full Arm ARM LOG OFF

Help

HISTORY Refresh Log
(Last updated at 06/04/2009 17:15:34)

Local time at control panel	Description	Zone/User/Device	Reported
06/04/2009 16:43:40	Disarmed	User Number 34 - Remote user	Yes
06/04/2009 16:43:34	Full Arm	User Number 34 - Remote user	Yes
02/04/2009 18:01:28	Tamper	Control System	Failed
02/04/2009 18:03:48	Tamper	Control System	Yes
02/04/2009 18:01:28	Tamper	Control System	Yes
02/04/2009 18:01:12	Tamper	Control System	Yes
01/04/2009 13:05:44	Battery Restore	Control System	Yes

Save history log as: HTML PDF TXT

System status received at: 06/04/2009 17:14:50 (local time at control system)

ibccrest Logged in Disarmed SYSTEM READY

You can save or print the LOG from this page.

Automation

The Web Application allows you to control and schedule automated lights and appliances in your home. The application offers a comprehensive interface that enables you to view the settings for all of your automated devices at once. Additionally, you can add, edit or delete devices from the comfort of your PC.

Discuss this capability with your security service provider to determine if it is applicable to your system – see p. 24, 5. *Home Automation and PGM.*

■ On The Main Page menu, click Automation, the following page appears:

HOME ARM/DISARM SETTINGS HISTORY VIDEO **AUTOMATION** Full Arm ARM LOG OFF

Help

AUTOMATION

#	Device Name	Device Settings	Edit	Delete	Action
1	LAMP	On From 12:00 AM to 12:00 AM	Edit	Delete	Unchanged

System status received at: 06/04/2009 18:01:40 (local time at control system)

ibccrest Logged in Disarmed SYSTEM READY

You can program turning the HA units on/off at specific hour/day of the week.

Video

Using IP video cameras installed in your home, the Web Application enables you to view streaming video over the Web in order to check your home and family while you are away.

Discuss this capability with your security service provider to determine if it is applicable to your system.

Appendix C: Glossary

24hr Zone	A sensor which is always active regardless of whether the system is armed or disarmed.
A	
Armed	The state during which the security system is activated. In most cases, when the system is armed, triggering a sensor generates an alarm.
Arming Keys	The three keys on the front panel or keypad that activate one of the system's arming options.
B	
Bypassed Zone	A sensor which is ignored by the system. No alarm is generated from a bypassed zone even if triggered when the system is armed.
C	
Cancel Key	A key on the Wireless Terminal that causes the system to disregard any partially entered code or command that may have mistakenly been entered.
Cancel Report	An operation that clears all communication buffers and stops the transmission of any pending messages to the monitoring service.
Cellular Communication Chime	Monitoring and control via a cellular network.
Code Controlled Code	A feature that provides audible annunciation when specific sensors are activated. <i>See user code</i>
Delay	A user code that causes the system to notify the monitoring service when used to arm or disarm.
D	
Descriptor	The exit/entry delay times that allow the user to arm or disarm the system without generating an alarm.
Disarmed	Custom labels programmed for each user code, zone, keyfob, keypad etc.
Duress Code	The state during which the security system is deactivated. During disarm only sensors that are defined as 24hr, Panic, Medical, Fire, Gas, Flood and Environmental are capable of generating an alarm.
Entry Delay	A user code that generates a silent alarm to indicate that the user is being forced to operate the system.
Event Log	<i>See Delay</i>
Exit Delay	A browsable record of events that have occurred within the system.
Follow-me	<i>See Delay</i>
E	
Forced Arming	A feature that enables users to receive notification to their telephone that an event has occurred in the system.
Front Panel	Arming before the system is ready. If the system is not secured by the time that the exit delay expires, an alarm is generated.
Full Arming	The main interface located on the front of the Control System consisting of an LCD keypad.
Global Chime	An arming method that activates the entire system when the premises are vacated.
G	
Global Chime	A feature that enables/disables the Chime feature for the entire system – <i>see Chime</i> .

H

HA Units Home Automation Units (abbr.). The lights and appliances in the home that are controlled by the optional Home Automation feature.

Home Automation An optional feature that enables the user to control electrical appliances and lights via the Control System.

I

Instant Arm An arming method that cancels the entry delay after the system has been Part or Perimeter armed.

K

Keyfob Handheld wireless transmitters used to remotely control the system.

L

LAN IP Address The address that your home router has assigned to the Control System.

Limited Code A user code that automatically expires 24 hours after it is programmed.

Log *See Event Log*

M

Master Code The only user code with the ability to program other user codes. The master code also has exclusive access to specific system functions.

Message Center An optional feature that enables users to record messages to be played back by other users.

N

Non-Controlled Code A user code that does not cause the system to notify the monitoring service when used to arm or disarm. The system only reports if the code is used to disarm after an alarm.

O

One-Key Arming Arming the system without the need for a valid user code.

P

Panic Alarm A user initiated event that alerts the monitoring service in the event of an emergency.

Part Arming An arming method that is designed to activate a certain section of the premises.

Partitioning Dividing the house into sections each of them armed and disarmed independently.

Perimeter Arming An arming method that is designed to activate the sensors protecting the doors and windows while enabling residents to move freely on the premises.

Medical Emergency PGM A type of alarm that informs the monitoring service that the user is in need of medical assistance.

Programmable output that is triggered according to specific system status conditions, or by remote command sent via PSTN, GSM, Ethernet, keyfob, keypad, or Remote Programmer.

R

Ready The state in which all zones are closed and the system is ready to be armed.

Remote Firmware Update Control System's firmware update from a remote PC using WEB communication.

Restore Restore of the normal state when the trouble is repaired. For example, if AC power is reconnected, an AC Loss Restore event code is sent to the central station.

S

Scheduling	A Home Automation feature that switches HA units on and off automatically according to pre-set times.
Sensors	The devices installed around the home that alert the panel in the event of an alarm.
Service Call	A feature that enables the user to contact the monitoring service and talk to an operator via the Control System.
SMS Command	An SMS message sent to the Control System that causes the system to perform a specific function.
Smartkey	An RF ID device used to arm and disarm the system by placing it against the Wireless Terminal.
SMS Confirmation	An SMS message sent to the user confirming that the SMS command has been performed.
System Status LEDs	Luminous indicators on the front panel that provide information on the arm and power status of the system.

T

Telecontrol	A feature that provides remote access via the telephone including remote arming/disarming, siren cancel and Two-Way audio.
Tones	Chimes sounded by the Control System's internal or external siren.
Trouble Tones	Tones sounded by the system to indicate a trouble condition.
TWA	Two-Way Audio (abbr.)
TX	Transmitter (abbr.)
TX List	A service feature that lists all the system's registered transmitters, their last recorded status and signal strength.
TX Test	A service feature that displays the source of the last received transmission.

U

Unbypass	The restore of original state to a bypassed zone.
User Code	A four-digit code that grants access to certain system functions such as arming and disarming the system.

W

Walk Test	A mode that enables sensors to be tested without generating an alarm.
WUAPP	Web User Application Interface (abbr.) Web Application allowing full interface to the system's user functions.
WAP	A protocol used to enable access to the mobile Web via mobile phone or PDA.
Web Remote Programmer	Software that enable installers or service providers to operate and program the system from a PC either on-site or from a remote location.
Wireless Terminal	Intelligent two-way wireless keypad with large LCD display that serves as an additional user interface of the Control System.

Z

Zone	A protected area within the security system.
Zone Bypassing	<i>See Bypassed Zone</i>



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