

Congratulations on your purchase of the Abbra Professional Series home security system! With an Abbra system installed in your home, you can rest secure in the knowledge that your home and family are protected. With the included NextAlarm.com monitoring service, the authorities will be swiftly dispatched to your aid should an emergency occur. With its easy to understand menu-driven interface and extensive voice prompts, even a beginner can install the Abbra in just a few hours, and maintenance is a snap.

This Quick Start guide is all you need to get started with your Abbra Professional Series Basic Kit. In this guide are step-by-step instructions to installing, programming, and using your security system. For more information on the Abbra, or if you have purchased any additional sensors or other equipment, please visit www.abbra.net to download the complete Installation and User Manuals. If you purchased the Abbra with NextAlarm.com monitoring service included, then to activate it, please visit www.nextalarm.com, and log in using your e-mail address and the password which was e-mailed to you. If you did not purchase monitoring with your system, but would like to use NextAlarm.com monitoring, then please visit www.nextalarm.com and click "Sign Up".

List of Parts (Basic Kit)

Please make certain everything on this list was included in your Abbra Professional Series Basic Kit. If anything is missing, contact us at abbra@nextalarm.com. If you purchased any additional devices with your Basic Kit, be sure to check that they are present as well.

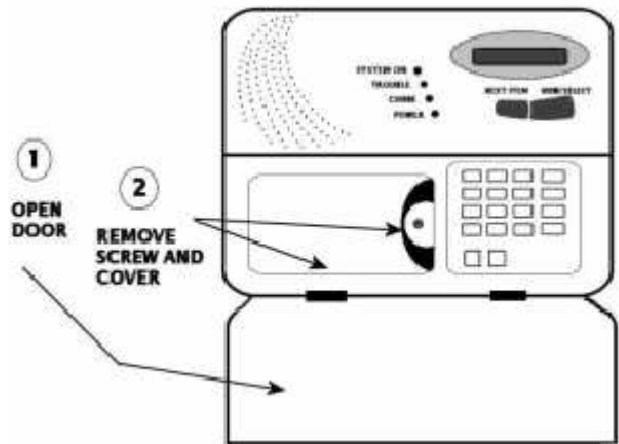
- One Abbra control panel
- Two magnetic contact sensors (each with one magnet and one sensor)
- One motion sensor
- One keyfob remote control
- One AC power adapter
- One backup battery pack
- One NextAlarm.com plastic yard sign
- One packet of NextAlarm.com window decals
- This Quick Start guide

Installation

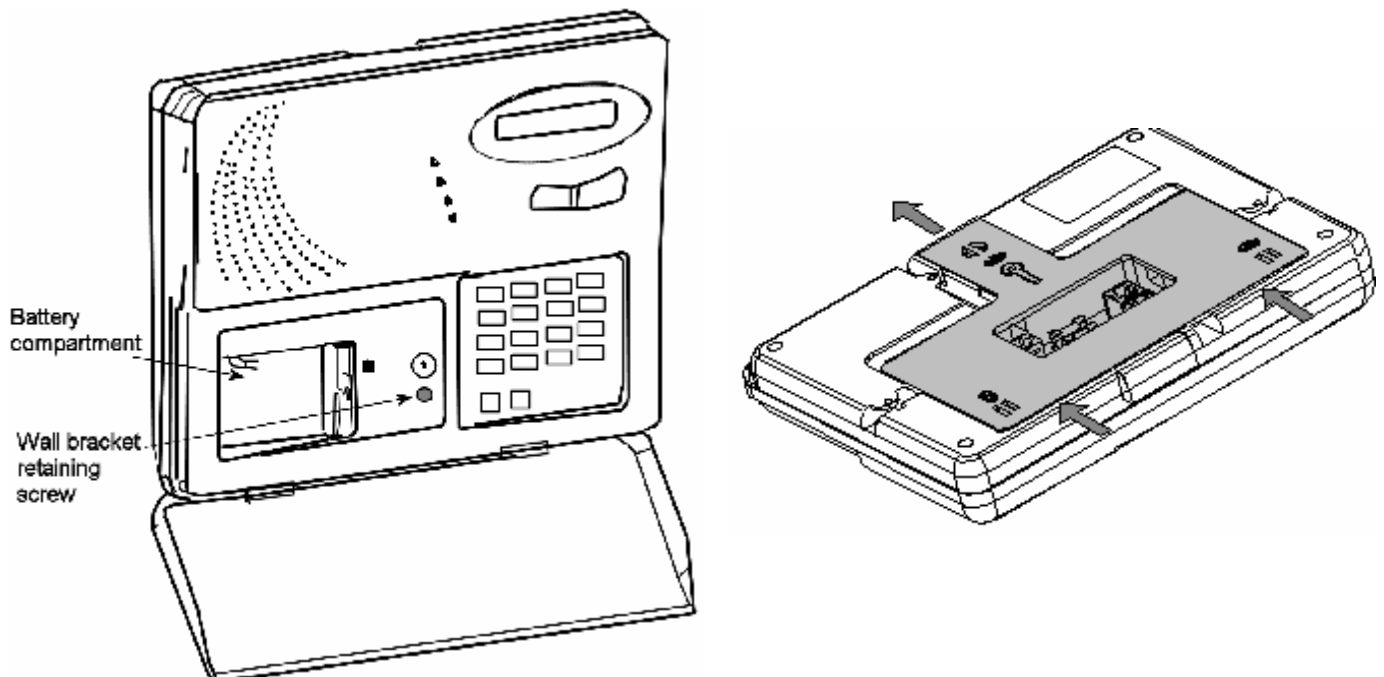
Installing the Control Panel

The Abbra control panel may be mounted on a wall, or simply placed on a desk or table using the included plastic stands and rubber feet. The control panel should be located inside your home or business, near the main entrance (such as the front door). Before you begin installing the control panel, determine where it will reside.

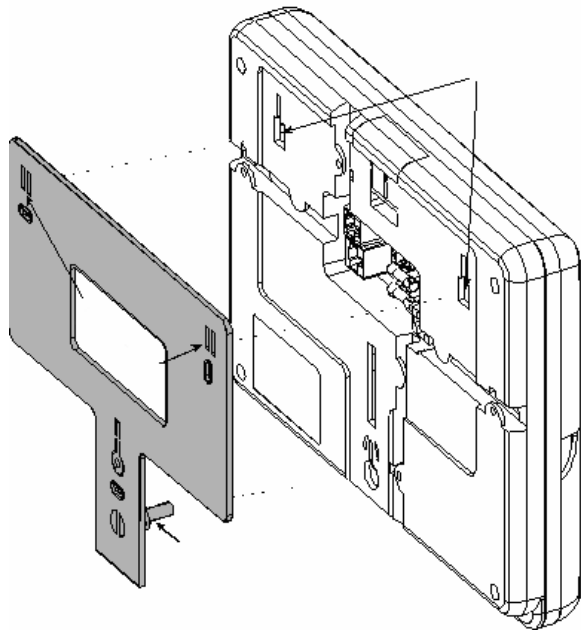
After unpacking the Abbra control panel, open the keypad door and remove the screw holding the battery compartment in place, then remove the cover itself.



There is another screw just below the one holding the battery compartment shut. This screw helps hold the wall mounting bracket in place. Remove it as well, then slide the wall mounting bracket off of the control panel, as shown.



Next, plug the AC power and phone cords into the back of the Abbra. Tuck the cords into the grooves on the control panel, so that they will not get in the way when you mount the panel on the wall. Be sure to plug the phone cord into the LINE jack, not the X-10 jack. Slide the control panel onto the mounting bracket, taking care that all the pegs on the bracket fit into the slots on the back of the panel. Finally, replace the bracket retaining screw, connect the battery, then close and screw shut the battery compartment.



When you insert the battery and power up the Abbra, the TROUBLE light will illuminate and the panel will beep periodically. You can safely ignore this for now. Once you have finished installing the system, the TROUBLE light will turn off, and the beeps will stop.

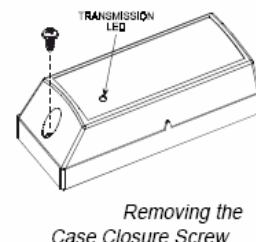
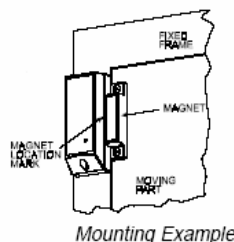
If you plan to keep the Abbra on a desk or table, remove the wall mounting bracket as described, and install the stands and rubber feet on the back of the control panel. You will also need to insert the plastic key into the back of the Abbra, so that it holds the metal tamper switch down.

Installing the Sensors

The basic kit comes with three sensors, which are pre-programmed into the Abbra system. The two magnetic contact sensors should be used to protect windows or doors, and the motions sensor should be placed on a wall facing towards a room or hallway for maximum coverage.

Installing the Magnetic Contact Sensors

The magnetic sensors each come in two pieces. The larger piece with the LED is the transmitter, and the smaller piece is the magnet. When the magnet is lined up with the transmitter, the Abbra knows the door or window is closed. When the magnet and transmitter are separated, the Abbra knows the door or window is open. The magnet should be mounted to the door or window itself, while the transmitter should be mounted on the frame.



The magnet and the sensor can be mounted using either the sticky pads, or screwed directly into the door and frame. Before doing this, remove the case closure screw from the sensor, open the cover, and pull out the red film covering the battery. If you will be screwing the sensor to the frame instead of using the sticky pads, you will need to remove the circuit board from the plastic case, screw the case to the wall, then replace the circuit board and cover. If you are using the sticky pads, then simply remove the red film over the battery, then replace the sensor cover and case closure screw, then stick the sensor to the door or window frame. Stick the magnet onto the door or window itself, so that it is next to the sensor when the door or window is closed. The magnet should be no more than $\frac{1}{4}$ " from the sensor.

Installing the Motion Detector

1 Disassemble the unit

A LOOSEN SCREW

B PULL OUT LOWER EDGE OF COVER

C SHIFT COVER UP TO FREE TOP TOOTH AND REMOVE COVER

D FLEX CATCH OUT

E REMOVE BOARD

2 Install the battery

A **RESET:** With the battery in place, press both tamper switches simultaneously and release them. The LED at the front will flash for about 2 minutes until the detector stabilizes.
Note: The detector transmits a low battery signal upon detection of low battery.
Note: It is recommended to wait about 1 minute before inserting the new battery.

B **ENROLL:** Approach the control panel and enroll the detector's ID into the control panel's memory as shown in the panel's installation manual. When required to transmit, press both tamper switches again and release them. You may enroll the detector's ID while the detector's LED flashes.

OBSERVE POLARITY!

FRONT TAMPER SWITCH

BACK TAMPER SWITCH

3 Open holes in the base

TOP CATCH FOR PCB

CORNER (2 OF 4)

SURFACE (1 OF 2)

A USE A SCREWDRIVER TO PIERCE SURFACE OR CORNER KNOCK-OUTS, AS REQUIRED.

B USE A LARGE DIAMETER DRILL BIT TO DE-BURR THE OTHER SIDE

SUPPORTS FOR BOTTOM EDGE OF PCB

BREAK-AWAY SEGMENT (BACK TAMPER SWITCH ACTUATOR)

Attention! Lean the rear part of the break-away segment against a piece of wood while piercing its knockouts.

4 Mount the base

1.8 - 2.4 m (6 - 8 ft) above ground

SINGLE-SIDE, 45° ANGLED MOUNT

SINGLE-SIDE, 45° ANGLED MOUNT

A FOR TAMPER PROTECTION, THE BREAK-AWAY SEGMENT MUST BE ATTACHED TO WALL.

B MARK TWO DRILLING POINTS AND DRILL HOLES IN WALL.

C INSERT TWO DOWELS AND ATTACH THE BASE TO THE WALL WITH TWO SCREWS.

D INSERT THE BOTTOM EDGE OF THE LARGE P.C. BOARD UNDER THE TABS & PRESS THE TOP EDGE IN.

Attention! The unit has a back tamper switch under the PCB. As long as the PCB is seated firmly within the base, the switch will be pressed against a special break-away base segment.
Be sure to fasten the break-away segment to the wall. If the detector is forcibly removed from the wall, this segment will break away from the base, causing the tamper switch to open and send a tamper alarm.

BREAK-AWAY SEGMENT

SURFACE MOUNT (1 OF 2)

5 Set the jumpers as needed

1 EVENT: FAST RESPONSE

2 EVENT

2 EVENTS: HIGHEST FALSE ALARM PROTECTION

2 EVENT

ON: LED ENABLED

OFF: LED

OFF: LED DISABLED

ON: LED

CR123 3V

1985

1985

1985

6 Walk-test the coverage area

A MOUNT THE COVER. CLOSE IT AND TIGHTEN THE SCREW. WAIT FOR THE DETECTOR TO STABILIZE (THE LED STOPS FLASHING).

B WALK ACROSS THE FAR END OF COVERAGE PATTERN IN BOTH DIRECTIONS. THE INDICATOR SHOULD LIGHT FOR 2-3 SECONDS EACH TIME YOUR MOTION IS DETECTED.

C **IMPORTANT!** INSTRUCT THE USER TO WALK-TEST AT LEAST ONCE A WEEK TO ASSURE PROPER FUNCTION OF EACH DETECTOR.

Note: After closing the cover the detector enters a 15 minute walk-test mode. In this mode the LED will flash each time a detection occurs, regardless of LED jumper settings, and the detector will transmit on the occurrence of each event.

List of Terms (in alphabetical order)

Alarm – When the Abbra detects that a zone has been disturbed, it will trigger an alarm. The siren will sound, and an alarm signal will be sent to the Central Station.

Arm – Activate the Abbra home security system, so that if a zone is disturbed, it will trigger an alarm. The Abbra may be armed in *Away mode*, *Home mode*, or *Instant mode*.

Away mode arming – If the Abbra is armed in *Away mode*, then all interior and perimeter zones will be active. Opening a door command takes effect and the zones actually become active. This is to give you time to leave the house or settle in for the night. This period of time is called the *Exit Delay*. When the Abbra is armed in Home or Away mode, opening a Delay zone will not cause an immediate alarm. Instead, the Abbra will ask you to disarm the system, and beep for a period of time. When this time has ended, an alarm will occur. This time is called the *Entry Delay*. In the Abbra Basic Kit, zone 1 is pre-configured as a Delay zone.

Bypass – If one or more zones are bypassed, then they will be inactive for the next arming period. Disturbing bypassed zones will not trigger an alarm.

Central station – The location to which the Abbra will send alarm signals. When a signal is received at the central station, the operator will take appropriate action, such as calling your home or dispatching your local police.

Chime mode – While the Abbra is disarmed, it may be placed into Chime mode. In Chime mode, disturbing Chime zones will cause the Abbra to either sound a doorbell-like chime, or speak the name of the zone, depending on how you have configured the system. In the Abbra Basic Kit, the two magnetic contact sensors are pre-configured as Chime zones.

Code – A secret four-digit number. There are several kinds of codes used by the Abbra. The *Master User Code*, which is set to 1 1 1 1 by default, may be used to arm and disarm the system, access the full User Settings menu, and create or delete *User Codes*. *User Codes* may be used to arm and disarm the system, and access parts of the User Settings menu. The *Installer Code* is only used for accessing the Abbra's installer mode. For information on installer mode, visit our online help files at www.abbra.net.

Delay (Entry Delay, Exit Delay) – When the Abbra is armed in any mode, it will take a certain amount of time before the arm

Disarm – “Un-arm” the Abbra. When the Abbra is disarmed, no sensors will be active, unless they have been specially configured as 24-hour zones in installer mode.

Home Mode Arm – When the Abbra is armed in Home mode, the perimeter sensors, doors and windows, will be active, but interior zones, such as motion detectors, will not. This mode is useful for arming the system before you go to sleep at night.

Instant mode arm – When the Abbra is armed in Instant mode, all sensors will be active, and the Entry delay will be eliminated. Disturbing any zone, even a Delay zone, will cause an immediate alarm.

User Settings Mode or window will trigger an alarm, as will moving in front of a motion sensor.

Zone – A zone is essentially another name for a sensor. Each sensor must be assigned its own zone. A zone has a number, a name, and a type (such as perimeter, interior, or fire). In the Basic Kit, the three sensors are pre-programmed to zones 1, 2, and 3.

Now that you have installed your Abbra security system, you should program in a few settings to best suit your needs, and then you can begin using it.

Open the Abbra's front flap, exposing the keypad. The part of the Abbra we will be using next, the User Settings mode, is operated through a system of menus. The buttons on the keypad are used to navigate through these menus. To the right is a list of all items on the User Settings menu.

- <Next Item> button is used to move to the next item on a menu.
- <View/Select> button is used to select the current item, and also to confirm the contents of an item if you have entered new settings.
- <Back> button is used to move back to the previous item on a menu.
- <Home> button is used to exit from a selected item to the previous menu.
- <Away> button is used to exit the current mode entirely, and return the Abbra back to its normal operating mode.

Press <Next Item> until User Settings is displayed on the LCD screen, and then press <View/Select>. The Abbra will now speak "Please Enter Code", and a flashing cursor will appear on the screen. The Abbra is asking you to enter in your Master User Code, which you will be choosing soon. Right now, it is set to 1 1 1 1, so type that in, and the Abbra will beep several times and display Set Bypass, the first item on the User Settings menu. Press <Next Item> until Set User Codes is displayed, then press <View/Select>. The screen will now display User Code 1. This is the Master User Code, and since 1 1 1 1, is not very secure, the first thing you should do is change it to a new number. Press <View/Select>. Now you should think of a new Master User Code. The code needs to be four digits, and, like your bank PIN number, should be one that is not easy to guess. Type in the new Master User Code, then press <View/Select> twice. You need to press it twice because you have changed the contents of this menu item. The screen will now display User Code 1 again. You can either press <Next Item> to move to User Code 2 and set it in the same way, or you can press <Home> to move back to the User Settings main menu. You can also press <Away> then <View/Select> to exit the User Settings mode entirely.

Display in disarm state when all zones are secured ("00:00 or other digits show present time). ①

Instruction: click <NEXT> key ②

Resultant display ③

Instruction: Enter 4-digit master user code (default "1111"), or user code (see note below). ④

-----READY 00:00-----
 <NEXT>
 -----NORMAL MODE-----
 <NEXT>
-----USER SETTINGS-----
 <NEXT>
 ENTER CODE : :
 [master/user code]
 -----SET BYPASS-----
 <NEXT>
 -----SHOW BYPASS-----
 <NEXT>
 -----RECALL BYPASS-----
 <NEXT>
 (*) SET PHONE NUMBER
 <NEXT>
 (*) SET USER CODES
 <NEXT>
 (*) ENROLL KEYFOB
 <NEXT>
 (*) SET VOICE OPTION
 <NEXT>
 (*) AUTO ARM OPTION
 <NEXT>
 (*) AUTO ARM TIME
 <NEXT>
 (*) SQUAWK OPTION
 <NEXT>
 (*) SET TIME & FORMAT
 <NEXT>
 (*) SET DATE & FORMAT
 <NEXT>
 (*) SCHEDULER
 <NEXT>
 (*) INSTALLER MODE
 <NEXT>
 -----<OK> TO EXIT-----

* Menu items that are marked with an asterisk can be accessed only if **master** user code has been entered.

At this point, the Abbra is ready to use. If you like, you can use the User Settings menu to do other things, such as bypass zones, set the Abbra's internal clock, or add new keyfob remote controls, using the <Next Item> and <View/Select> keys just like you did to set the user codes. You can use your new Master User Code to access this menu any time the Abbra is disarmed.

Using the Abbra

QUICK REFERENCE TO ARMING AND DISARMING

Arming AWAY	 + [Code] *
Arming AWAY-INSTANT.....	 + [Code] * + 
Arming HOME	 + [Code] *
Arming HOME-INSTANT	 + [Code] * + 
Force Arming AWAY (bypass open zones).....	 + [Code] * + 
Force Arming HOME (bypass open zones).....	 + [Code] * + 
Disarming and stopping alarms.....	 + [Code] *

**The factory default master user code is 1 1 1 1.*

You can also use your keyfob remote control to arm and disarm the system. Pressing the Lock button will arm the system in Away mode. Pressing the Home button will arm the system in Home mode. Pressing the Unlock button will disarm the system. Pressing the * button will cause the Abbra to announce whether or not it can currently be armed.

QUICK REFERENCE OF KEYPAD LIGHTS

LED	Behavior	Means
ARM	Steady light Flashing light No light	The system is in the armed state (AWAY MODE) The system is in the armed state (HOME MODE) The system is presently in the disarmed state
TROUBLE	Steady light No light	The panel is presently in a trouble state No trouble - all is well
CHIME	Steady light No light	The chime function is active - chime zones will chime when disturbed The chime function is inactive - chime zones will not chime when disturbed
POWER	Lights steadily No light	AC power is supplied to the control panel The system is operating on backup battery power

When the TROUBLE light is lit, you should press the <View/Select> button to see what the trouble is. If there is more than one problem, then pressing <View/Select> repeatedly will cycle through them. When all troubles have been fixed, the TROUBLE light will go out. For more information on trouble states, consult our online help files at

www.abbra.net