SECURITAS AMERICA, INC.

ANGELWATCH^{TM}
INFANT PROTECTION SYSTEM

OPERATION MANUAL

09-12-02   Revision 3.3

TABLE OF CONTENTS

1. INTRODUCTION

Overview of System

The PC Based Angelwatch™ Infant Protection System is designed to monitor the location of infants who are wearing a special Angelwatch SmartBand anklet. This anklet is an active transmitter that allows the system to continuously monitor the presence of the infant and the status of the anklet band itself.

The SmartBand anklet (Model # SBA-1000) transmits its identification and status. These transmissions are detected by receivers located throughout the area to be monitored. Three types of receivers are used to provide full coverage. The receivers are similar, the difference is what they detect and what they do afterwards.

The Internal locating receivers (Model # INR-1000) are used to cover the entire area to be secured. The Internal locating receivers are designed to send an alarm whenever the signal from the anklet is lost. This indicates that the baby has been moved outside the coverage area or that the anklet has been disabled. The Internal locating receivers also detect the signal from a anklet that has been broken or cut so the system can activate the appropriate alarm.

The Exit receiver (Model # EXR-1000) is a receiver located at any exit from the coverage area. Whenever an Exit receiver detects the signal from an anklet, an alarm is set indicating that the baby is being taken out the indicated entrance. This alarm can be used to activate a camera. Because of the area covered and the fact that the system activates an alarm whenever the Exit receiver detects an anklet, it is not recommended for use as an exit control.

The Locking receiver (also Model # EXR-1000) is a receiver specifically configured to control exits. When this receiver detects an anklet, it activates its output but does not set an alarm. This allows the receiver to be used in high traffic areas to control an exit. The exit locks will be set whenever the receiver detects an anklet, but will not set an alarm in case the anklet is still in an allowed area. It is best to back these receivers up with Exit receivers outside the exits so that if an infant is taken through the exit, an alarm will then be set.

By themselves, these three types of receiver provide a great deal of security. However, someone trying to abduct a baby may realize that the anklet is part of the security system and try to remove it. If the anklet is cut, it instantly sends out a signal indicating it has been cut. This helps to ensure that the baby is constantly monitored.

Equipment

A variety of equipment is used to make up an Angelwatch™ system. The equipment actually installed at a site will vary depending on the needs of that particular hospital.

Workstations

The Angelwatch™ system is based around a small computer running the system software. This computer is called the Master Workstation (Model # MWS-1000) and all the receivers and Remote Workstations are connected to it. The computer uses Microsoft Windows 2000 as an operating system. In addition, the computer is equipped with an Uninterruptible Power Supply (Model # UPS-1000) to ensure that the system will continue to operate if power is interrupted.

In addition to the Master Workstation, up to sixteen Remote Workstations (Model # RWS-1000) may be connected. The use of Remote Workstations allows use of the system and displays alarm conditions from several locations within the facility.

Receivers

The receivers are connected to the system using an *RS-485* serial data network. This allows up to 255 receivers to be connected to the Master Workstation. There are three types of receivers available for use with the system. The receivers are powered by 12 volts DC from custom wall mounted enclosure(s) that contain an Un-interruptible Power Supply (UPS) and the necessary hardware engineered for that particular system

The Internal Locating Receivers (Model # INR-1000) are used to monitor the presence and status of the anklets. The number of INR's varies by site. The INR receiver will set an alarm if it loses the signal from the anklet and no other receiver has detected it, or the anklet is cut while being monitored. The lost band time is set to 60 seconds at the factory, however, this default time can be changed by personnel that have access to the Maintenance Commands menu.

Exit Receivers (Model # EXR-1000) are used to monitor entrances and exits from the area in which the anklets are allowed. The Exit Receiver will only set an alarm when it detects an anklet within its coverage area indicating that a monitored infant is in an exit area.

Locking receivers (also Model # EXR-1000) do not set an alarm on the system. This receiver has the ability to activate a door lock whenever it detects an anklet and is interfaced with magnetic door locks.

There may be occasions where a hospital will want a receiver to do more than set an alarm. This is especially true of the Exit Receivers, where hospitals may want them to activate a security camera or tie to another security system. Angelwatch™ Receivers have a small low power internal relay (form C dry contacts) which is activated whenever an alarm is set. The Internal locating receivers (INR1000) activate for all alarms. Exit Receivers (EXR1000) activate when that particular exit is violated.

The Angelwatch™ SmartBand Anklet

The Angelwatch™ SmartBand Anklet (Model # SBA-1000) is the heart of the system. This anklet transmits a code to the receivers that is used to monitor the infant. Alarms are set when a band is lost, broken or detected by an Exit Receiver. The anklet is designed for a single use and is then discarded.

The Angelwatch™ Reusable Tag

The Angelwatch™ Reusable Tag (Model # TAG-1000) is the latest addition to the system. This tag transmits a code to the receivers that is used to monitor the infant. Alarms are set when a tag is lost, or the strap is broken, or the tag is detected by an Exit Receiver. The transmitter tag is designed to be cleaned and reused. Each strap is designed for a single use and is then discarded.

Starting the System

The Angelwatch™ Master Workstation operating system is Microsoft Windows 2000. When it is turned on or rebooted, it will run through a series of tests and then automatically start the Angelwatch™ software. However, it may be necessary to terminate the system, which will result in the operator looking at a standard Windows desktop.

To start the Angelwatch™ software from a standard Windows desktop, position your pointer at the Angel icon and ***Double left click*** the icon. The software will start and immediately begin searching for receivers and Remote Workstations.

System Display

The system display shows the status of every band being monitored by the system. This display also shows which band is setting an alarm as well as the type of alarm set.

2. <u>M</u>aintenance Commands

When the system is started, it will automatically detect any receivers that are connected. However, the installer must program the names of the receivers, whether a receiver is enabled, and whether a receiver's function is Locating, Monitoring Exits, or Locking. Also, all system timing values are set to their default values at the factory and the installer may want to reprogram these values. All these functions are performed under the Maintenance Commands Menu. When a function is selected under this menu, the system prompts the user for a password.

Authorized users allowed access to the Angelwatch Systems Maintenance Commands Menu are the top level in the hierarchy of security for this Angelwatch software release. Having password access to the Maintenance Commands menu authorizes access to Administrator Commands, Supervisor Commands, and User Commands. You effectively have system wide access to all parameters via your security clearance.

Before entering any maintenance functions, you must either *left click* **<u>M</u>aintenance Commands** underlined at the top of the Angelwatch program screen or *type Alt* **M** and the pull down selections appear.

> <u>F</u>ile
> Set System <u>P</u>arameters
> Edit <u>M</u>aintenance Passwords
> Edit <u>A</u>dministrators Passwords
> Edit Receiver <u>L</u>ist
> Receiver <u>T</u>est
> Edit Rem<u>o</u>te List
> <u>R</u>emote Test

Upon selection of a menu choice from the Maintenance Commands, the system responds by displaying a text box with the function name selected (upper left corner) and prompts:

> Enter Maintenance Password:_

The system is password protected. Although all systems are shipped with default passwords for initial programming, it is highly recommended that these passwords be deleted prior to the end user implementing the system as part of their comprehensive infant protection plan. Contact your Angelwatch Technical Support Representative for information on the default passwords for your particular system.

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the function selected. The screens that follow function selections are interactive, prompting the user through every step to complete the action.

File
Run:

From the Maintenance Commands menu, Select File, Run. The system responds by displaying a text box and prompts:
> Enter Maintenance Password:_

> *Type* your *password* and *touch enter* – or - *left click OK*

A correct password starts the Angelwatch program. The System Status box at the lower right corner of the screen will display NORMAL. Typically this command is used if the Angelwatch program had previously been stopped as mentioned in the next description under Stop.

Stop:

From the Maintenance Commands menu, Select File, Stop. The system responds by displaying a text box and prompts:
> Enter Maintenance Password:_

> *Type* your *password* and *touch enter* – or - *left click OK*

A correct password stops the Angelwatch program. The System Status box at the lower right corner of the screen will display STOPPED. To start the program again select the Run command as described above under Run

Exit:

From the Maintenance Commands menu, Select File, Exit. The system responds by displaying a text box and prompts:
> Enter Maintenance Password:_

> *Type* your *password* and *touch enter* – or - *left click OK*

A correct password terminates the Angelwatch program. The computer reverts to a standard Windows Desktop. To launch the Angelwatch program, double left click the Angel icon on the desktop.
<div align="center">Or</div>
Reboot the system and the Angelwatch program runs automatically. To reboot, always do a proper windows shutdown from the windows Start menu.

Set System Parameters

Set Lost Band Time

From the Maintenance Commands menu, Select Set System Parameters, Set Lost Band Time. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your ***password*** and ***touch enter*** – or - ***left click OK***

The system responds by displaying a text box and prompts:
Enter Lost Band Time (60-1200 s)

Type the new time and ***touch enter*** – or - ***left click OK.***

The system responds by displaying a text box and prompts:
Are You Sure?:

Touch enter – or - ***left click OK*** if the time selected is correct.

A correct password allows the Lost Band Time to be adjusted. This is the amount of time an anklet's signal may be lost (the band's signal not been detected by any Angelwatch receiver) before an alarm is set. The default time is 60 seconds (recommended), however, any amount of time between 60 and 1,200 seconds may be entered. If no change is made to the selected parameter, the software will time out and the system defaults to the setting that was displayed in the parameter window.

Set Lock Time

From the Maintenance Commands menu, Select Set System Parameters, Set Lock Time. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your ***password*** and ***touch enter*** – or - ***left click OK***

A window will appear displaying Set Lock Time (60-1200 s):

Type the new time and ***touch enter*** – or - ***left click OK.***

The system responds by displaying a text box and prompts:
Are You Sure?:

Touch enter – or - ***left click OK*** if the time selected is correct.

A correct password allows the Lock Time to be adjusted. This is the time delay for the Locking receivers to remain activated after they have stopped receiving the signal from an anklet. When used to control an exit, this is the time the door will remain locked

after the band leaves the area of the door. The default time is 15 seconds (recommended), however, any amount of time between 15 and 60 seconds may be entered. If no change is made to the selected parameter, the software will time out and the system defaults to the setting that was displayed in the parameter window.

Edit Maintenance Passwords

This command allows authorized personnel to add, delete, and modify maintenance passwords assigned to a particular system.

From the Maintenance Commands menu, Select Edit Maintenance Passwords. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the Maintenance passwords. A window will appear displaying Maintenance Passwords with the name and password of all personnel that have Maintenance Command authorization. This screen allows you to Add or Delete personnel that have a Maintenance Password, or modify any personnel or password that has been assigned to the system.

Add Maintenance:

Select Add Maintenance. A text box appears and prompts:
Add Maintenance, Last Name, First Name, Password

The Add Maintenance screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen.

Delete Maintenance:

Select Delete Maintenance. A text box appears and prompts:
Delete Maintenance, Last Name, First Name, Password.

The Delete Maintenance screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen.

Modify Maintenance:

Select Modify Maintenance. A text box appears and prompts:
Modify Maintenance, Last Name, First Name, Password

The Modify Maintenance screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen.

Edit Administrator Passwords

This menu command allows authorized personnel to add, delete, and modify Administrator passwords assigned to a particular system.

From the Maintenance Commands menu, Select Edit Administrator Passwords. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the Administrator passwords. A window will appear displaying Administrator Passwords with the name and password of all personnel that have Administrator Command authorization. This screen allows you to Add or Delete personnel that have an Administrator Password, or modify any personnel or password that has been assigned to the system.

Add Administrator:

Select Add Administrator. A text box appears and prompts:
Add Administrator, Last Name, First Name, Password

The Add Administrator screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen.

Delete Administrator:

Select Delete Administrator. A text box appears and prompts:
Delete Administrator, Last Name, First Name, Password

The Delete Administrator screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen.

Modify Administrator:

Select Modify Administrator. A text box appears and prompts:
Modify Administrator, Last Name, First Name, Password

The Modify Administrator screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The File menu under this screen allow you to return to the standard Angelwatch Active Monitoring display.
The Commands menus under this screen allow you to access Add Administrator, Delete Administrator, and Modify Administrator functions.

Edit Receiver List

This menu command allows authorized personnel to add, delete, and modify Angelwatch receivers assigned to a particular system. Initial on site programming for every Angelwatch Infant Protection System includes editing the receiver list. Typically, the technician installing the system programs each receivers' address, location, and type for that particular installed system.

From the Maintenance Commands menu, Select Edit Receiver List. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the Receiver list. A window will appear displaying all receivers that have been programmed into the system. This screen allows you to Add, Delete or Modify any receiver that will be assigned to the system.

The Edit Receiver List screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The File menu under this screen allow you to return to the standard Angelwatch Active Monitoring display.
The Commands menus under this screen allow you to access Add Receiver, Delete Receiver, and Modify Receiver functions.

Receiver Test

This menu command allows authorized personnel access to several test modes for the receivers.

From the Maintenance Commands menu, Select Receiver Test. The system responds by displaying a text box and prompts:
Enter Maintenance Password:

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the Receiver Test screen. A window will appear displaying all receivers that are connected to and communicating with the Angelwatch system software. This screen allows you to analyze the systems performance.

Poll Receivers:

Selecting Poll Receivers sends the command that starts the process of the Receiver Test utility that polls every receiver communicating with the Angelwatch program. The screen will display the time, receiver address number, the receiver name and the ID codes that each receiver is reporting during that poll cycle.

The File menu under this screen allows you to select Exit the Receiver Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Stop Polling, Change Polling Time, Lock Receiver and Unlock Receiver.

Stop Polling:

Selecting Stop Polling Receivers will stop the polling process. The screen will display the time, receiver address number, receiver name and the SmartBand ID codes that each receiver has detected and reported during that poll cycle.

The File menu under this screen allows you to select Exit the Receiver Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Receivers, View Results, Change Polling Time, Find Receivers, Select Receivers, Lock Receiver and Unlock Receiver.

View Results:

Selecting View Results will display the time, receiver address number, receiver name and the SmartBand ID codes that each receiver has detected and reported during the poll cycle. The Home, End, Page up, Page Down, Line Up and Line Down icons allow access to any part of the View Results display.

The File menu under this screen allows you to select Back To Main Menu and Save Results. Selecting Save Results will create a file in the database for future recall. The Commands menus under this screen allow you to Find, Find All, Home, End, Page Up, Page Down, Line Up and Line Down.

Find Receivers:

Selecting Find Receivers will display the receiver addresses that are communicating with the Angelwatch program.

The File menu under this screen allows you to select Exit the Receiver Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Receivers, View Results, Change Polling Time, Find Receivers, Select Receivers, Lock Receiver and Unlock Receiver.

Select Receivers:

Selecting Select Receivers will display a list of receivers that you may select for any number of tests required for setting up the Angelwatch system.

The File menu under this screen allows you to select Back to Main Menu of Angelwatch Receiver Test screen. The Commands menus under this screen allow you to Select All, or Clear All Receivers for testing.

Lock Receiver:

Each Angelwatch Receiver is equipped with a relay designed to interface with signaling equipment for alarm annunciation. The Lock Receiver function allows specific receivers to be called upon to activate this relay.

Selecting <u>L</u>ock Receiver will activate a screen allowing the address of the receiver that you wish to test to be selected. *Type* the address of the Receiver that you wish to test and a *left click* OK or touch Enter.

The <u>F</u>ile menu under this screen allows you to select <u>E</u>xit the Receiver Test and return to the standard Angelwatch screen. The C<u>o</u>mmands menus under this screen allow you to <u>P</u>oll Receivers, <u>V</u>iew Results, Change Polling <u>T</u>ime, <u>L</u>ock Receiver and <u>U</u>nlock Receiver.

<u>U</u>nlock Receiver:

Selecting <u>U</u>nlock Receiver will activate a screen allowing the address of the receiver that you wish to test to be selected. *Type* the address of the Receiver that you wish to test and a *left click* OK or touch Enter.

The <u>F</u>ile menu under this screen allows you to select <u>E</u>xit the Receiver Test and return to the standard Angelwatch screen. The C<u>o</u>mmands menus under this screen allow you to <u>P</u>oll Receivers, <u>V</u>iew Results, Change Polling <u>T</u>ime, Fi<u>n</u>d Receivers, Select Receivers, <u>L</u>ock Receiver and <u>U</u>nlock Receiver.

<u>E</u>xit:

Selecting <u>E</u>xit returns you to the standard Angelwatch screen.

Edit Rem<u>o</u>te List

This menu command allows authorized personnel to add, delete, and modify Angelwatch remote workstations assigned to a particular system. Initial on site programming for every Angelwatch Infant Protection System includes editing the remote list. Typically, the technician installing the system programs each remotes' address, location, and type for that particular installed system.

From the <u>M</u>aintenance Commands menu, Select Edit Remote <u>L</u>ist. The system responds by displaying a text box and prompts:

Enter Maintenance Password:

Type your *password* and *touch enter – or - left click OK*

A correct password allows access to the Remote list. A window will appear displaying all remote that have been programmed into the system. This screen allows you to Add, Delete or Modify any remote that will be assigned to the system.

The Edit Remote List screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The <u>F</u>ile menu under this screen allow you to return to the standard Angelwatch Active Monitoring display.
The C<u>o</u>mmands menus under this screen allow you to access <u>A</u>dd Remote, <u>D</u>elete Remote, and <u>M</u>odify Remote functions.

Remote Test

This menu command allows authorized personnel access to several test modes for the remotes.

From the Maintenance Commands menu, Select Remote Test. The system responds by displaying a text box and prompts:

Enter Maintenance Password:

Type your *password* and *touch enter* – or - *left click OK*

A correct password allows access to the Remote Test screen. A window will appear displaying all remotes that are connected to and communicating with the Angelwatch system software. This screen allows you to analyze the systems performance.

Poll Remotes:

Selecting Poll Remotes sends the command that starts the process of the Remote Test utility that polls every remote communicating with the Angelwatch program. The screen will display the time, remote address number, the remote name and the NAK acknowledgment code that each remote is reporting during that poll cycle.

The File menu under this screen allows you to select Exit the Remote Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Stop Polling, Change Polling Time, Turn remote Alarm On and Turn remote Alarm Off.

Stop Polling:

Selecting Stop Polling Remotes will stop the polling process. The screen will display the time, remote address number, remote name and the NAK acknowledgment code that each remote has reported during that poll cycle.

The File menu under this screen allows you to select Exit the Remote Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Remotes, View Results, Change Polling Time, Find Remotes, Select Remotes, Turn remote Alarm On, and Turn remote Alarm Off.

View Results:

Selecting View Results will display the time, remote address number, remote name and the NAK acknowledgment code that each remote has detected and reported during the poll cycle. The Home, End, Page up, Page Down, Line Up and Line Down icons allow access to any part of the View Results display.

The File menu under this screen allows you to select Back To Main Menu and Save Results. Selecting Save Results will create a file in the database for future

recall. The Commands menus under this screen allow you to Find, Find All, Home, End, Page Up, Page Down, Line Up and Line Down.

Find Remotes:

Selecting Find Remotes will display the remote addresses that are communicating with the Angelwatch program.
The File menu under this screen allows you to select Exit the Remote Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Remotes, View Results, Change Polling Time, Find Remotes, Select Remotes, Turn remote Alarm On, and Turn remote Alarm Off.

Select Remotes:

Selecting Select Remotes will display a list of remotes that you may select for any number of tests required for setting up the Angelwatch system.
The File menu under this screen allows you to select Back to Main Menu of Angelwatch Remote Test screen. The Commands menus under this screen allow you to Select All, or Clear All Remotes for testing.

Turn remote Alarm On:

Selecting Turn remote Alarm On will activate a text box allowing the address of the remote that you wish to test to be selected. *Type* the address of the Remote that you wish to test and a *left click* OK or touch Enter.
The File menu under this screen allows you to select Exit the Remote Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Remotes, View Results, Change Polling Time, Turn remote Alarm On, and Turn remote Alarm Off.

Turn remote Alarm Off:

Selecting Unlock Remote will activate a text box allowing the address of the remote that you wish to test to be selected. *Type* the address of the Remote that you wish to test and a *left click* OK or touch Enter.
The File menu under this screen allows you to select Exit the Remote Test and return to the standard Angelwatch screen. The Commands menus under this screen allow you to Poll Remotes, View Results, Change Polling Time, Find Remotes, Select Remotes, Turn remote Alarm On, and Turn remote Alarm Off.

Exit:

Selecting Exit returns you to the standard Angelwatch screen.

3. Administrator Commands

Authorized users allowed access to the Angelwatch Systems Administrator Commands Menu are the second highest level in the heirarchy of security for this Angelwatch software release. Having password access to the Administrator Commands Menu authorizes access to Administrator Commands, Supervisor Commands, and User Commands.

Before entering any Administrator Command, you must either **left click** the **Administrator Commands** underlined at the top of the Angelwatch program screen or **type Alt A** and the pull down selections appear.

> Edit Passwords
> Reports
> Backup

Edit Passwords

The Edit Passwords function allows authorized users access to Add Employee, Delete Employee or Modify Employee passwords. Personnel with Administrator Command access have the ability to assign Supervisors and Users to the system in addition to running customized Reports and performing a system Backup of the Angelwatch files.

From the Administrator Commands menu, Select Edit Passwords. The system responds by displaying a screen and prompts:

> Enter Administrator Password:

> *Type* your *password* and *touch enter* – or - **left click OK**

Add Employee:

Selecting Add Employee will bring up a screen that allows the Administrator to assign a new employee and authorize the security clearance level that the individual being assigned is allowed access to. You may use your mouse or the Tab key to move between all the fields necessary to enter information to complete assigning the new employee.

From the Administrator Commands menu, Select Edit Passwords. The system responds by displaying a screen and prompts:

> Enter Administrator Password:

> *Type* your *password* and *touch enter* – or - **left click OK**

The Add Employee screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The Exit Passwords menu under this screen allow you to exit the Edit Passwords function under the Administrator Commands menu and return to the standard Angelwatch Active Monitoring display.

Reports:

        Selecting <u>R</u>eports under the <u>A</u>dministrator Commands menu will bring up a screen that allows the Administrator to customize a report of any and all activities of system functions.

        From the <u>A</u>dministrator Commands menu, Select <u>R</u>eports. The system responds by displaying a screen and prompts:

        Enter Administrator Password:

        Type* your *password* and *touch enter* – or - *left click OK

        The <u>R</u>eports screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The <u>E</u>xit Reports menu under this screen allows the Administrator to exit the <u>R</u>eports function under the <u>A</u>dministrator Commands menu and return to the standard Angelwatch Active Monitoring display.

Backup:

        Selecting <u>B</u>ackup under the <u>A</u>dministrator Commands menu will bring up a screen that allows the Administrator to create a backup of system functions for archiving. You have the choice of backing up to a floppy disk or the CDRW.

        From the <u>A</u>dministrator Commands menu, Select <u>B</u>ackup. The system responds by displaying a screen and prompts:

        Enter Administrator Password:

        Type* your *password* and *touch enter* – or - *left click OK

        The <u>B</u>ackup screen is a self guiding interactive function. Follow the instructions in the upper left portion of the screen. The <u>E</u>xit Backup menu under this screen allows the Administrator to exit the <u>B</u>ackup function under the <u>A</u>dministrator Commands menu and return to the standard Angelwatch Active Monitoring display.

4. <u>S</u>upervisor Commands

   Authorized users allowed access to the Angelwatch Systems <u>S</u>upervisor Commands Menu have the third highest security clearance for this Angelwatch software release. Having password access to the <u>S</u>upervisor Commands Menu authorizes access to Supervisor Commands, and User Commands.

   Before performing the <u>S</u>upervisor Commands "Clear alarms", you must either ***left click*** the large ***Clear alarms*** button at the top right of the Angelwatch program screen or ***type Alt* C.**

   Before performing the <u>S</u>upervisor Commands "Lock Doors" or "Unlock Doors", you must either ***left click*** the **<u>S</u>upervisor Commands** underlined at the top of the Angelwatch program screen or ***type Alt* S** and the following pull down selections appear.

> <u>L</u>ock Doors
> <u>U</u>nlock Doors
> <u>C</u>lear Alarms

<u>L</u>ock Doors

   The <u>L</u>ock Doors function allows authorized users the ability to activate any Angelwatch Receiver that has been programmed as a Locking Receiver and interfaced with magnetic door locks.

   From the <u>S</u>upervisor Commands menu, Select <u>L</u>ock Doors.

   The system responds by displaying a text box and prompts:

> Lock Doors
> Enter Supervisor Password:

> ***Type*** your ***password*** and ***touch enter*** – or - ***left click OK***

   The system responds by displaying a text box and prompts:

> Are You Sure?
> ***Left click OK***, or touch ***Enter***

<u>U</u>nlock Doors

   The <u>U</u>nlock Doors function allows authorized users the ability to deactivate any Angelwatch Receiver that has been programmed as a Locking Receiver and interfaced with magnetic door locks that have been locked either manually, or by detecting a SmartBand Anklet's signal in an area designated where not authorized as an Excused or Discharged Patient from the Angelwatch System.

   From the <u>S</u>upervisor Commands menu, Select <u>U</u>nlock Doors.

   The system responds by displaying a text box and prompts:

> Unlock Doors
> Enter Supervisor Password:

> ***Type*** your ***password*** and ***touch enter*** – or - ***left click OK***

The system responds by displaying a text box and prompts:
>
> Unlock Doors
> Are You Sure?

Left click OK, or touch **Enter**

Clear Alarms

The Clear Alarms function allows authorized users the ability to deactivate any alarm dispatched by the Angelwatch System. A SmartBand Anklet that has been cut or has been taken from the floor and not returned must be discharged. Discharging a SmartBand Anklet in an alarm condition must be done by a supervisor.

From the standard Angelwatch screen, Select Clear Alarms.
The system responds by displaying a text box and prompts:
>
> Clear Alarms
> Enter Supervisor Password:

Type your **password** and **touch enter** – or - **left click OK**

A correct password will clear the alarm condition. If a SmartBand Anklet has been cut and is alarming, the supervisor must discharge the SmartBand causing the alarm condition and the alarm will clear automatically.

5. User Commands

Authorized users allowed access to the Angelwatch Systems User Commands Menu perform the day to day functions of Angelwatch System. The standard Angelwatch screen has large buttons (icons) across the top of the screen for User tasks in addition to a System Status window and displays all patients assigned to the system with their Location and Status.

The User may either **Left click** any of the icons on the standard screen, or the User may either **left click** the **User Commands** underlined at the top of the Angelwatch program screen or **type Alt** U and the pull down selections appear.

> Login New Patient
> Excuse Patient
> Re-Enter Patient
> Discharge Patient

Login New Patient

The Login New Patient function allows authorized users the ability to enter the name and SmartBand ID code of the newborn or Pediatric patient.

From the User Commands menu, Select Login New Patient, or, *Left click* **the Login New Patient** icon from the standard Angelwatch screen.

The system responds by displaying a text box and prompts:

Login New Patient
Enter User Password:

Type your *password* and *touch enter* – or - *left click OK*

The system responds by displaying a text box and prompts:

Login New Patient
Enter New Patient's Last Name:

Type the patient's last name and *touch enter* – or - *left click OK*

The system responds by displaying a text box and prompts:

Login New Patient
Are You Sure?
Enter New Patient's Last Name:

Touch enter – or - *left click OK* if the Last Name is Correct. Touching the Esc key or *left clicking* Cancel will cancel the entry and you must revert to the beginning of Login New Patient.

The system responds by displaying a text box and prompts:

Login New Patient
Enter New Patient's First Name:

Type the patient's First name and *touch enter* – or - *left click OK*

The system responds by displaying a text box and prompts:

Login New Patient
Are You Sure?
Enter New Patient's First Name:

Touch enter – or - *left click OK* if the First Name is Correct. Touching the Esc key or *left clicking* Cancel will cancel the entry and you must revert to the beginning of Login New Patient.

The system responds by displaying a text box and prompts:

Login New Patient
Enter New Patient's Band ID #:

> ***Type*** the ID code labeled on the SmartBand Anklet for that specific patient and ***touch enter*** – or - ***left click OK***

The system responds by displaying a text box and prompts:
> Login New Patient
> Are You Sure?
> Enter New Patient's Band ID#:

> ***Touch enter*** – or - ***left click OK*** if the SmartBand Anklet ID Code is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of Login New Patient.

Excuse Patient

  The Excuse Patient function allows authorized users the ability to temporarily excuse a patient assigned to the system and remove him/her from the area Angelwatch has been designed to protect. This feature of the system alows a specific patient to be taken to Lab or Radiology for tests or further evaluation that cannot be performed within the scope of the Angelwatch System's protected zone.

From the Standard Angelwatch screen icons, Select Excuse Patient, or, ***Left click the Excuse Patient*** icon from the standard Angelwatch screen.

The system responds by displaying a text box and prompts:
> Excuse Patient
> Enter User Password:

> ***Type*** your ***password*** and ***touch enter*** – or - ***left click OK***

The system responds by displaying a text box and prompts:
> Excuse Patient
> Enter Patient's Band ID#:

> ***Type*** the patient's Band ID # and ***touch enter*** – or - ***left click OK***

The system responds by displaying a text box and prompts:
> Excuse Patient
> Are You Sure?
> Excuse Patient:

> ***Touch enter*** – or - ***left click OK*** if the Band ID# is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of Excuse Patient.

The system responds by displaying a text box and prompts:
> Excuse Patient
> Excuse This Patient?:

> ***Touch enter*** *– or -* ***left click OK*** if the Patient Name to be excused is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of Excuse Patient.

The system responds by displaying a text box and prompts:
> Excuse Patient
> How Many Minutes (1-999)?:

> ***Type*** the time the patient is to be excused from the system and ***touch enter*** *– or -* ***left click OK.***

The system responds by displaying a text box and prompts:
> Excuse Patient
> Are You Sure?:

> ***Touch enter*** *– or -* ***left click OK.***

If the steps to excuse the patient are successful, the Status column on the standard Angelwatch screen will change to Excused for that specific patient.

Re-Enter Patient

The Re-Enter Patient function allows authorized users the ability to Re-Enter a patient that was previously Excused. This usually takes place when the patient is returned to the area within the scope of the Angelwatch System's protected zone.

From the User Commands menu, Select Re-Enter Patient, or, ***Left click*** **the Re-Enter Patient** icon from the standard Angelwatch screen.

The system responds by displaying a text box and prompts:
> ReEnter Patient
> Enter User Password:

> ***Type*** your ***password*** and ***touch enter*** *– or -* ***left click OK***

The system responds by displaying a text box and prompts:
> ReEnter Patient
> Enter Patient's Band ID#:

> ***Type*** the patient's Band ID # and ***touch enter*** *– or -* ***left click OK***

The system responds by displaying a text box and prompts:
> ReEnter Patient
> ReEnter Patient:
> Re-Enter This Patient?

>> ***Touch enter –*** or - ***left click OK*** if the Patient Name is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of ReEnter Patient.

The system responds by displaying a text box and prompts:
> ReEnter Patient
> ReEnter This Patient?:

>> ***Touch enter –*** or - ***left click OK*** if the Patient Name to be ReEntered is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of Excuse Patient.

If the steps to ReEnter the patient are successful, the Status column on the standard Angelwatch screen will change to Active for that specific patient.

<u>D</u>ischarge Patient

The <u>D</u>ischarge Patient function allows authorized users the ability to discharge the newborn or Pediatric patient and send them home.

> From the User Commands menu, Select <u>D</u>ischarge Patient, or, ***Left click*** **the Discharge Patient** icon from the standard Angelwatch screen.
> The system responds by displaying a text box and prompts:
>> Discharge Patient
>> Enter User Password:

>> ***Type*** your ***password*** and ***touch enter –*** or - ***left click OK***

> The system responds by displaying a text box and prompts:
>> <u>D</u>ischarge Patient
>> Enter Patient's Band ID#:

>> ***Type*** the patient's Band ID # and ***touch enter –*** or - ***left click OK***

> The system responds by displaying a text box and prompts:
>> Discharge Patient
>> Are You Sure?

>> ***Touch enter –*** or - ***left click OK*** if the Band ID# is Correct. Touching the Esc key or ***left clicking*** Cancel will cancel the entry and you must revert to the beginning of <u>D</u>ischarge Patient.

> The system responds by displaying a text box and prompts:
>> Discharge Patient
>> Discharge This Patient?:

Touch enter – or - *left click OK* if the Patient Name to be excused is Correct. Touching the Esc key or *left clicking* Cancel will cancel the entry and you must revert to the beginning of D̲ischarge Patient.

The system responds by displaying a text box and prompts:
Discharge Patient
Are You Sure?:

Touch enter – or - *left click OK.*

If the steps to excuse the patient are successful, the Patient name and band ID will be removed from the Status Table.

6. The Angelwatch⊛ SmartBand Anklet

The SmartBand Anklet's correct application is extremely important for the safety of the newborn patient to be monitored.

Each anklet has a number printed on it. This number is the identification code that must be entered into the Angelwatch⊛ computer for the infant to whom that specific anklet is attached. It is suggested that you write this number on a chart, report form or other document common to everyday records at the time of banding.

Follow the procedure for Login New Patient.

Angelwatch⊛ Anklet Application

1) Obtain a band and slip it around an ankle with the white foam side against the flesh of the patient. Separate the pink and blue foam tail by gently peeling it away from the band material. Do not pull this foam through the clasp as it is intended to cover this clasp in the last step of application.

2) While holding the limb and anklet with one hand grab the end of the untrimmed band, wrap it around the ankle and over the clasp, then snap the clasp closed. Make certain the anklet is snug to the limb to prevent it from slipping off, but not so snug that it interferes with circulation.

3) Trim the excess material with a scissors.

Peel the wax paper from the foam tail and wrap the foam tail around the band covering the clasp.

7. The Angelwatch® Reusable Tag

The Reusable tag's correct application is extremely important for the safety of the newborn patient to be monitored.

Each tag has a number printed on it. This number is the identification code that must be entered into the Angelwatch® computer for the infant to whom that specific tag is attached. It is suggested that you write this number on a chart, report form or other document common to everyday records at the time of banding.

Follow the procedure for <u>L</u>ogin New Patient.

Angelwatch® Tag Application

4) Obtain a clean transmitter tag and a fresh strap. Insert one end of the strap through one of the two slots in the tag. Insert the other end of the strap through the other slot in the tag as shown in figure 1. Do not pull more than an inch through each side. The pink and blue colored side of the strap must be on the outside, with the grey colored conductive side of the strap making contact with the metal spring fingers on the inside of the slots in the tag.

5) Slide the tag and strap over the foot of the infant and position the tag on the outside of the infant's lower leg halfway between the foot and knee. Pull both ends of the strap while keeping the tag flat against the leg. Make certain the tag is snug to the limb to prevent it from slipping off, but not so snug that it interferes with circulation.

6) Using scissors, trim the excess strap from each side, leaving a half inch of strap extending above the top of the slots in the tag.

Warning: This device operates under provisions of Part 15 of the FCC Rules. Any modification of this device not expressly authorized by the manufacturer, Securitas America Inc., may void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

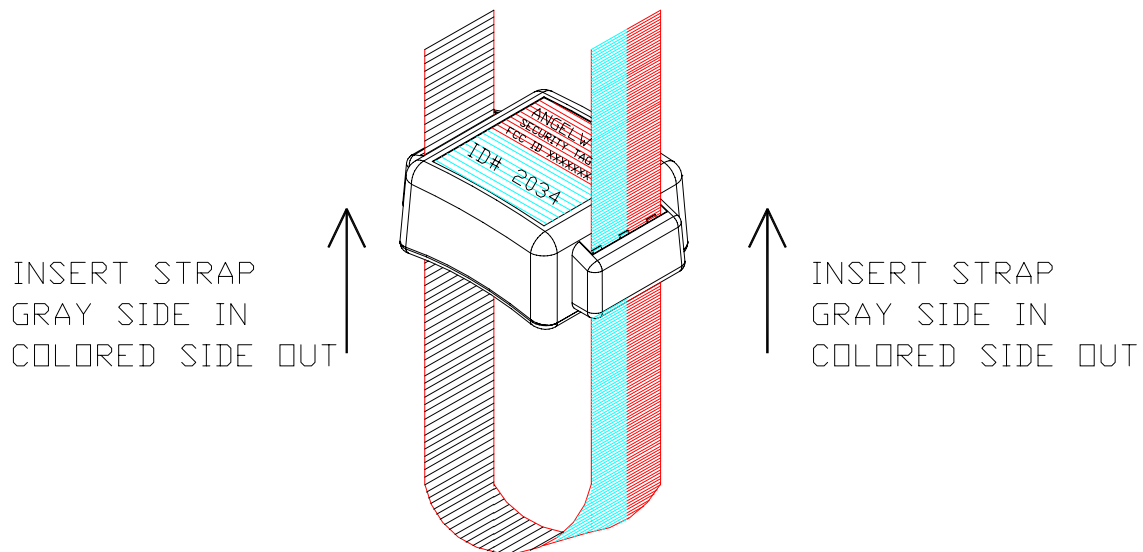INSERT STRAP GRAY SIDE IN COLORED SIDE OUT

ID# 2034

INSERT STRAP GRAY SIDE IN COLORED SIDE OUT

FIGURE 1. CORRECT TAG AND STRAP CONNECTION