



ActaView Software
Operation Manual
(Preliminary)

FCC Notices

The four components of the BullzI Asset Tracking System, as listed below, have been found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. The system may not cause harmful interference.
2. The system must accept any interference received, including interference that may cause undesired operation.

Collector, Model BICLA

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded Cables: Connections between the Collector and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits.

Modifications: Any modifications made to this device that are not approved by PDM Corporation may void the authority granted to the user by the FCC to operate this equipment.

Serial Switch, Model BISSA

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded Cables: Connections between the Serial Switch and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits. Networking connections can be made using unshielded twisted-pair (UTP) cables.

Modifications: Any modifications made to this device that are not approved by PDM Corporation may void the authority granted to the user by the FCC to operate this equipment.

Receiver Processor, Model BIRPA13

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded Cables: Connections between the Receiver Processor and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits.

Modifications: Any modifications made to this device that are not approved by PDM Corporation may void the authority granted to the user by the FCC to operate this equipment.

BullzI RFID Tag, Models BITGA-12, BITGA-25, BITGA-50

FCC ID: QFFLLIBCRAMDERF

Note: BullzI tags have been certified in accordance with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. The system may not cause harmful interference.
2. The system must accept any interference received, including interference that may cause undesired operation.

Modifications: Any modifications made to this device that are not approved by PDM Corporation may void the authority granted to the user by the FCC to operate this equipment.

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ActaView Software

Operation Manual (Preliminary)

Introduction

BullzI ActaView is a Windows based software package designed to be extremely user friendly.

This manual is divided into two parts, organized as follows:

- Part 1 – Administrative Module
- Part 2 – Asset Locator Module



ADMINISTRATIVE MODULE

Starting BullzI Administrator:

1. Click the start button on the Windows Task bar and then choose Programs – BullzI – Administrator.

After a short delay, you'll see the opening screen shown in Figure 1.1

NOTE: If a shortcut has been added to your desktop you can skip step 1 and double click the BullzI Administrator icon.

FIGURE 1.1

The Administrator Opening screen. Here you enter your User ID and password to gain access to the Administrator program.



2. Enter your User ID and password. Click Execute. The program screen shown in Figure 1.2 will appear.

FIGURE 1.2**The System****Administrator screen.**

Select the task you want to perform from the Administrator drop down menu.



3. From the Administrator menu, do any of the following:
 - **Add an asset record to the database**, choose Add Asset
 - **Delete an asset record from the database**, choose Delete Asset
 - **Modify an asset record**, choose Modify Asset

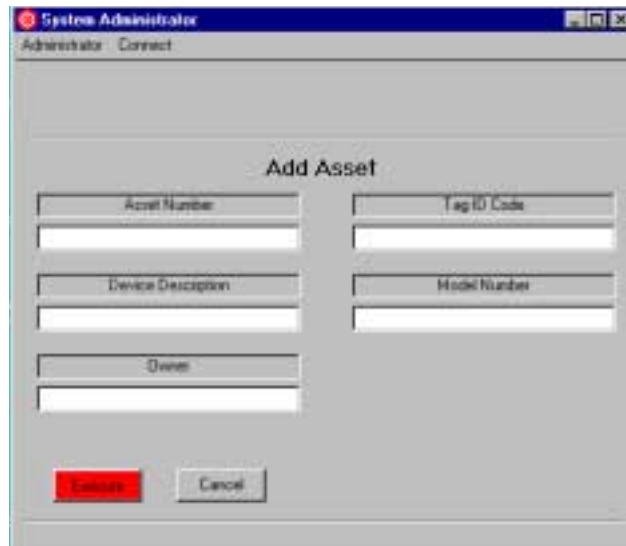
Adding a Tagged Asset

1. Choose Add Asset from the drop down menu. (Refer to Figure 1.2).

The Add Asset dialogue will be displayed as shown in Figure 1.3

FIGURE 1.3**The Add Asset dialogue.**

All information about the Asset is entered here. If your system is set up to do so, this information can be scanned into the database.

The image shows a screenshot of a software window titled "System Administrator" with a subtitle "Administrator : Connect". Inside the window is a dialog box titled "Add Asset". The dialog box contains five text input fields arranged in two columns. The left column has fields for "Asset Number", "Device Description", and "Owner". The right column has fields for "Tag ID Code" and "Model Number". At the bottom of the dialog box are two buttons: a red "Execute" button and a grey "Cancel" button.

2. At the prompt, type in the Asset Number. Tab over to the Tag ID Code and fill in the data. Repeat this process for the remaining blank fields. Click execute.

The asset record has now been added to the database.

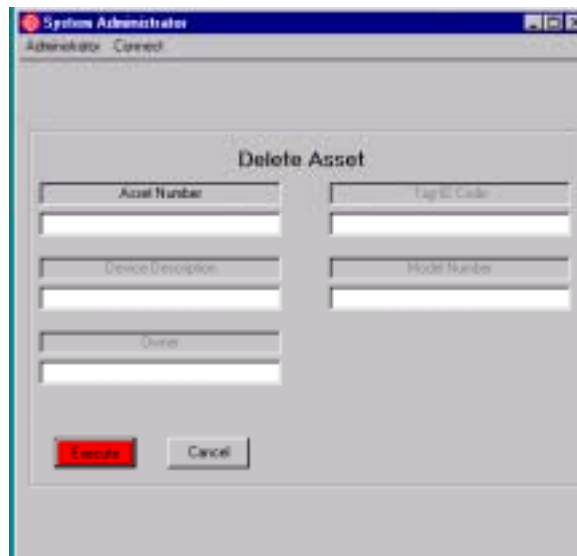
Deleting a Tagged Asset

1. Choose Delete Asset from the drop down menu. (Refer to Figure 1.2).

The Delete Asset dialogue will be displayed as shown in Figure 1.4.

FIGURE 1.4

The Delete Asset dialogue. Type in the asset number and click Execute. The remaining fields will be filled in from the database.



2. At the prompt, type in the Asset Number. Click Execute. The remaining fields will be filled in from the database.

A message box (Figure 1.5) will ask you to confirm your action.

FIGURE 1.5

The Confirm Delete message box. Click okay to permanently delete the Asset from the database.



3. After you have verified that this is the correct asset and are sure you want to delete it, click okay.

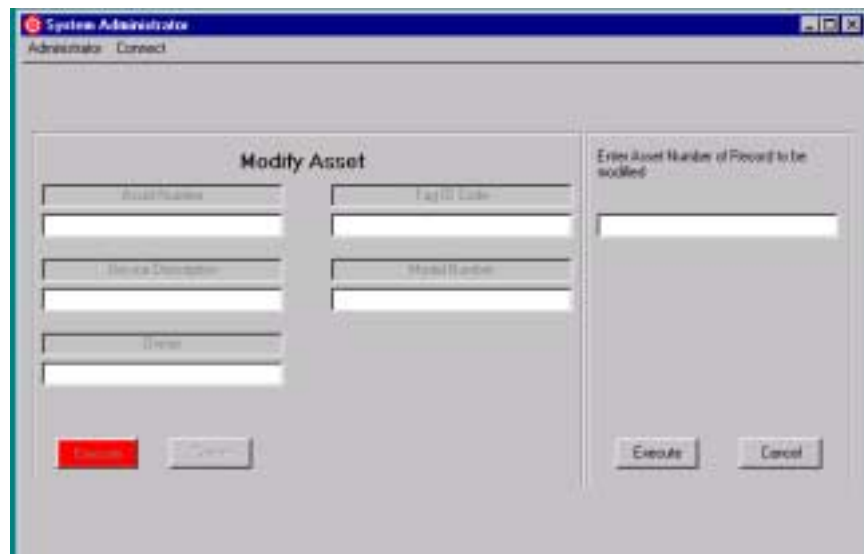
Modifying a Tagged Asset

1. Choose Modify Asset from the drop down menu. (Refer to Figure 1.2).

The Modify Asset dialogue box will be displayed as shown in Figure 1.6

FIGURE 1.6

Modify Asset dialogue. Type the asset number in the “Enter Asset Number ...” dialogue box and click Execute. The other fields will be filled in from the database.

The image shows a screenshot of a 'System Administrator' window. Inside, there is a 'Modify Asset' dialog box. The dialog box has a title bar that says 'System Administrator' and 'Administrator - Connect'. The main area of the dialog box is divided into two columns. The left column has three input fields labeled 'Asset Number', 'Device Description', and 'Device'. The right column has two input fields labeled 'Tag ID Code' and 'Model Number'. Below these fields are two buttons: 'Execute' (highlighted in red) and 'Cancel'. To the right of the main input area, there is a separate section titled 'Enter Asset Number of Record to be modified' with a single input field and two buttons: 'Execute' and 'Cancel'.

2. Enter the asset number at the prompt and click the active Execute button.

The record information fields will be filled in automatically.

3. Modify the information as required, click the Execute button. (refer to Figure 1.7).

FIGURE 1.7**The Modify Asset Dialogue.**

Edit the information by highlighting the text in the appropriate box and typing in the new information.



The screenshot shows a 'System Administrator' window with a 'Modify Asset' dialog box open. The dialog box contains several text input fields for editing asset information. The fields are arranged in two columns. The left column includes 'Asset Number', 'Device Description', and 'Device'. The right column includes 'Tag ID Code' and 'Model Number'. At the bottom of the dialog box are two buttons: 'OK' (highlighted in red) and 'Cancel'. The current values in the fields are: Asset Number: AH130813, Tag ID Code: 120723R, Device Description: Able NPumpDC, Model Number: 5000, and Device: Dncel.

Field	Value
Asset Number	AH130813
Tag ID Code	120723R
Device Description	Able NPumpDC
Model Number	5000
Device	Dncel

This information has been modified in the database.

To modify another record, select Administrator.



LOCATION VIEWER MODULE

Starting BullzI Location Viewer:

1. Click the Start button on the Windows Task bar and then choose Programs – BullzI – Location Viewer.

After a short delay, you'll see the opening screen shown in Figure 2.1

NOTE: If a shortcut has been added to your desktop, you can skip Step 1 and double click the BullzI icon.

FIGURE 2.1

The BullzI Opening screen. Here you enter your User ID and password to gain access to the Location Viewer.



2. Enter your User ID and password. Click Log On. The Tagged Asset Database window will appear.

Report Generator

Connect (Log/On/Off)

Search

Location Tree

Asset Viewer

[illegible]

Major Category Viewer

Location Viewer Screen Layout

Asset Viewer

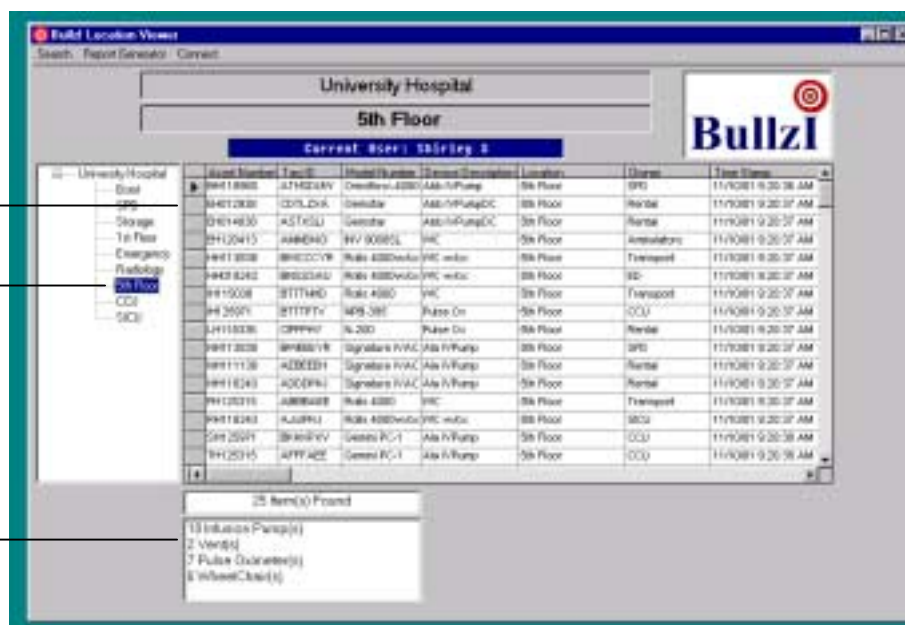
The Asset Viewer displays information related to the tagged asset, including:

- **Asset Number** – The facilities ID number for each tagged asset sorted alpha-numerically.
- **Tag ID** – The identification number of the BullzI RF Tag.
- **Model Number** – The tagged asset’s model number.
- **Device Description** – The facilities description of the tagged asset.
- **Location** – The current location of the tagged asset.
- **Owner** – The departmental owner of the tagged asset.
- **Time Stamp** – The date and time the asset was first seen at its current location.

Location Tree

5th Floor node highlighted

Major categories of equipment
currently on 5th floor



The Major Category Viewer has two functions (Reference Figure 2.5):

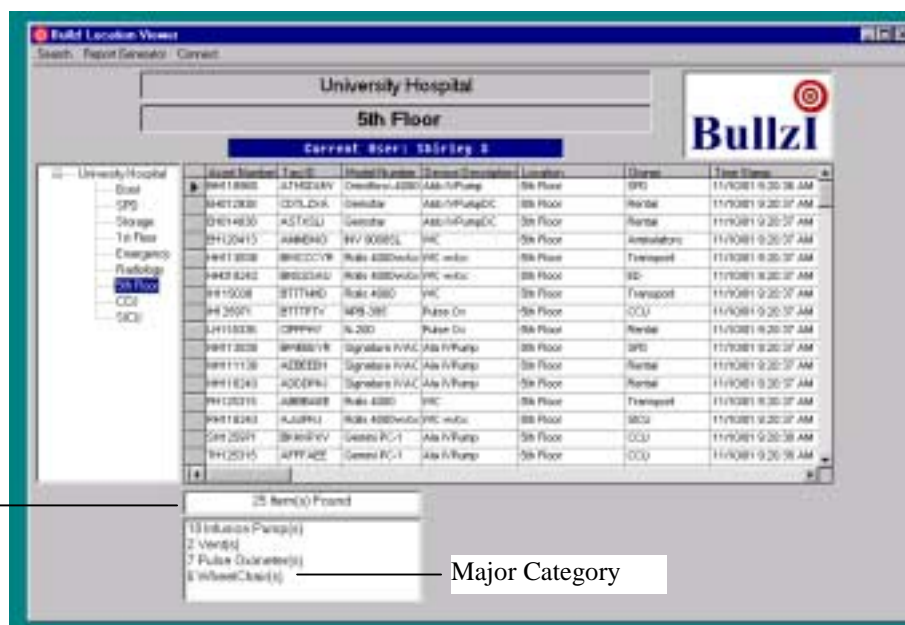
- Display a total count of all tagged assets relative to the selected node in the Location Tree.
- List tagged assets by major category, enabling quick viewing of all assets within a category (i.e. Wheelchairs).

FIGURE 2.5

The Major Category Viewer. Only the tagged assets of 5th floor are displayed.

Total count

- Major Category



Search Functions

The Search Function drop down menu provides a means to quickly search for a specific tagged asset or group of tagged assets. Two very important points to remember when doing a search are:

- Asset number or Tag ID searches – These searches locate the asset wherever it is in the facility no matter what is displayed in the Location Tree.
- All other searches will only find tagged assets located at the node selected in the Location Tree.

FIGURE 2.6

The Search Function.

Start by clicking Search and then selecting the type of search from the drop down menu.

Search drop down menu



All Search Functions begin by clicking Search and then selecting the type of search from the drop down menu.

To Search by Description, Model or Owner

1. Select Description, Model, or Owner from the drop down menu.

A drop down list box will appear as shown in Figure 2.7. This list box lists all of the descriptions/models/owners in the database.

FIGURE 2.7

Model Drop Down List. Searching by model gives us a Model drop down list box from which to select.

Search type display

Drop down list box



2. Click on the asset Description, Model or Owner you are trying to locate.
3. Click Execute

The Asset Viewer will display all items matching the criteria you selected. Remember, the search is relative to the node selected in the Location Tree.

To Search by Asset Number or Tag ID

1. Click Search and then the type of search from the drop down menu.

A dialog box will appear, as shown in Figure 2.8, allowing you to enter the Asset Number or Tag ID.

2. Type in the Asset Number or Tag ID. Click Execute.

The Asset Viewer will display the item that you have requested. Remember Tag ID's and Asset Numbers are unique so unlike other types of searches, there is only one possible match.

Type Tag ID or Asset Number here



The screenshot shows the Bullz! software interface. At the top, there's a title bar with 'Bullz! 2.000000 - Viewport'. Below it, a menu bar includes 'Search', 'Report Generator', and 'Connect'. The main window has a header area with 'University Hospital' and 'Results of Search By Tag ID'. A status bar at the bottom indicates 'Current User: Shirley J'. A search result window is open, displaying details for Asset No. EH014936, Tag ID AG715U, located in the 5th Floor. A floor plan is visible on the right side of the search result window.

Level Two Search

Searches can also be done within the Asset Viewer and Major Category Viewer windows. The items displayed will be context specific to the node currently selected in the Location Tree.

Asset Viewer Window

1. Select an item description under the Device Description column in the Asset Viewer Window. Double click.

In this example we selected Ala IV Pump and get a complete listing of all 38 pumps with this Device Description as shown in Figure 2.10.

- or -

2. Select an item description under the Model Number column in the Asset View window. Double click.

- or -

3. Select an owner description under the Owner column in the Asset Viewer window. Double click.

FIGURE 2.10

Asset Window Viewer. Results of double clicking on Ala IV Pump.

Asset Viewer window displays all 38 Ala IVPumps

Major Category Viewer shows total number of Ala IVPumps

The screenshot shows the Bullz! Location Viewer interface. At the top, it says 'University Hospital' and 'Results of Search By Device Description'. Below this, a table lists 38 results for 'Ala IV Pump'. The table has columns for Asset Number, Tag ID, Device Description, Location, Owner, and Date Stamp. The results are sorted by Date Stamp, showing various locations like ED, Storage, ICU, Ward, Radiology, etc.

Asset Number	Tag ID	Device Description	Location	Owner	Date Stamp
94121781	ANFAM	Signature IVAC Ala IV Pump	Ward	ED	11/10/01 9:30:38 AM
94121782	BN0781	Signature IVAC Ala IV Pump	Storage	ED	11/10/01 9:30:38 AM
94121783	BN0782	Signature IVAC Ala IV Pump	ICU	Ward	11/10/01 9:30:38 AM
94121784	BN0783	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121785	BN0784	Signature IVAC Ala IV Pump	Radiology	Radiology	11/10/01 9:30:38 AM
94121786	BN0785	Signature IVAC Ala IV Pump	ED	ED	11/10/01 9:30:38 AM
94121787	BN0786	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121788	BN0787	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121789	BN0788	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121790	BN0789	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121791	BN0790	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121792	BN0791	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121793	BN0792	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121794	BN0793	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121795	BN0794	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121796	BN0795	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121797	BN0796	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121798	BN0797	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121799	BN0798	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121800	BN0799	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121801	BN0800	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121802	BN0801	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121803	BN0802	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121804	BN0803	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121805	BN0804	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121806	BN0805	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121807	BN0806	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121808	BN0807	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121809	BN0808	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121810	BN0809	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121811	BN0810	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121812	BN0811	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121813	BN0812	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121814	BN0813	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121815	BN0814	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121816	BN0815	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121817	BN0816	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121818	BN0817	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121819	BN0818	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121820	BN0819	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121821	BN0820	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121822	BN0821	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121823	BN0822	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121824	BN0823	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121825	BN0824	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121826	BN0825	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121827	BN0826	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121828	BN0827	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121829	BN0828	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121830	BN0829	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121831	BN0830	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121832	BN0831	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121833	BN0832	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121834	BN0833	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121835	BN0834	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121836	BN0835	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121837	BN0836	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121838	BN0837	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121839	BN0838	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121840	BN0839	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121841	BN0840	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121842	BN0841	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121843	BN0842	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121844	BN0843	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121845	BN0844	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121846	BN0845	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121847	BN0846	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121848	BN0847	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121849	BN0848	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121850	BN0849	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121851	BN0850	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121852	BN0851	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121853	BN0852	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121854	BN0853	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121855	BN0854	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121856	BN0855	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121857	BN0856	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121858	BN0857	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121859	BN0858	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121860	BN0859	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121861	BN0860	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121862	BN0861	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121863	BN0862	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121864	BN0863	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121865	BN0864	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121866	BN0865	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121867	BN0866	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121868	BN0867	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121869	BN0868	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121870	BN0869	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121871	BN0870	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121872	BN0871	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121873	BN0872	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121874	BN0873	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121875	BN0874	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121876	BN0875	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121877	BN0876	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121878	BN0877	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121879	BN0878	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121880	BN0879	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121881	BN0880	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121882	BN0881	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121883	BN0882	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121884	BN0883	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121885	BN0884	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121886	BN0885	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121887	BN0886	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121888	BN0887	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121889	BN0888	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121890	BN0889	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121891	BN0890	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121892	BN0891	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121893	BN0892	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121894	BN0893	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121895	BN0894	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121896	BN0895	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121897	BN0896	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121898	BN0897	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM
94121899	BN0898	Signature IVAC Ala IV Pump	Ward	Ward	11/10/01 9:30:38 AM
94121900	BN0899	Signature IVAC Ala IV Pump	ICU	ICU	11/10/01 9:30:38 AM

- In this example we selected Pulse Oximeters and a complete listing of 41 pulse oximeters of all descriptions was displayed as shown in Figure 2.11.


Major Category Viewer Window. Results of double clicking on pulse oximeters.

Build Location Viewer

Search: Report Generator: Connect

University Hospital

Current: Board: Shürleg 8



id	University Hospital	Asset Number	Tag ID	Model Number	Device Description	Location	Status	Last Status
1		SH112839	0375.223	9-200	Pulse On	CCU	Normal	11/10/01 9:20:37 AM
2		UH111130	A205554H	9-200	Pulse On	1st Floor	Normal	11/10/01 9:20:37 AM
3		UH119125	810000W	9-200	Pulse On	OPD	Normal	11/10/01 9:20:37 AM
4		UH110243	4UPP93	9-200	Pulse On	SCU	Normal	11/10/01 9:20:37 AM
5		UH110242	609994G	9-200	Pulse On	Storage	Normal	11/10/01 9:20:37 AM
6		UH110330	099999	9-200	Pulse On	5th Floor	Normal	11/10/01 9:20:37 AM
7		UH122470	409901U	9-200	Pulse On	OPD	Normal	11/10/01 9:20:37 AM
8		94-20071	811777V	9PS-380	Pulse On	5th Floor	CCU	11/10/01 9:20:37 AM
9		9403079	9AC988H	9PS-380	Pulse On	Skull	CCU	11/10/01 9:20:38 AM
10		9403081	9AL719V	9PS-380	Pulse On	5th Floor	Normal	11/10/01 9:20:38 AM
11		94031307	9AC9A2E	9PS-380	Pulse On	5th Floor	CCU	11/10/01 9:20:38 AM
12		9403148	9J9B34E	9PS-380	Pulse On	OPD	Normal	11/10/01 9:20:38 AM
13		9403157	9AC9A3E	9PS-380	Pulse On	OPD	CCU	11/10/01 9:20:38 AM
14		9403160	999999W	9PS-380	Pulse On	Emergency	CCU	02/02/01 9:12:30 AM
15		94031733	9AC755F	9PS-380	Pulse On	SCU	CCU	11/10/01 9:20:38 AM
16		94031838	9J9B34U	9PS-380	Pulse On	CCU	Normal	11/10/01 9:20:38 AM

31 Items (3 Paged)

31 Pulse Outcomes

2D Viewer

The 2D viewer displays the approximate location of a tagged asset. It provides a detailed view of the tagged asset's location and a complete floor view.

The 2D viewer can be displayed in one of two ways.

1. Select the Asset Number or Tag Number of the item to be located and then double click it.

-or -

2. From the Search drop down menu select Asset Number or Tag Number. Type in the desired item. Click on Execute.

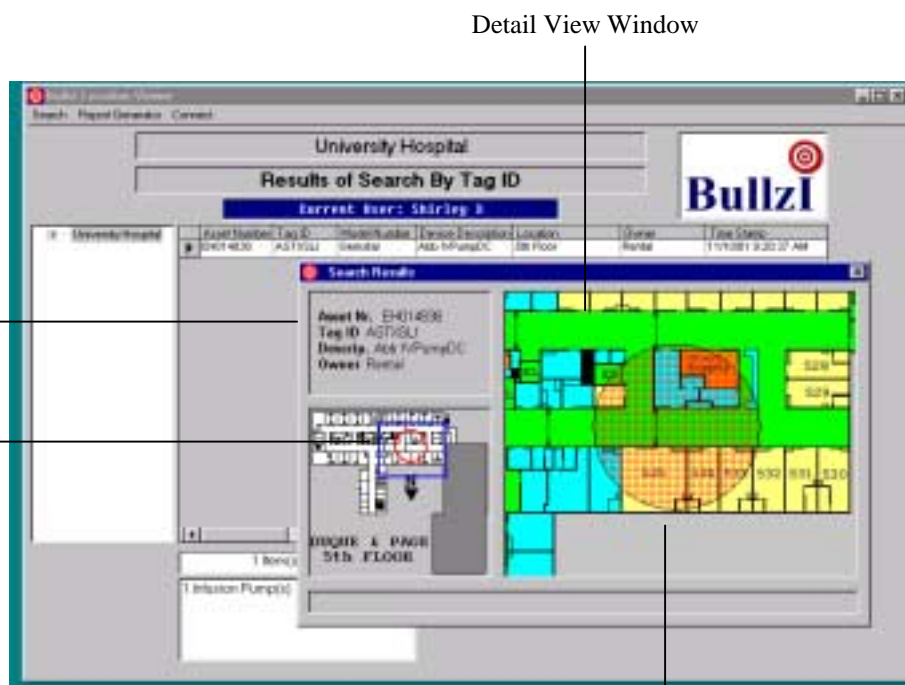
Either will display a screen similar to the one shown in Figure 2.12.

FIGURE 2.12

2D Viewer Display

Floor View window
shows entire floor

View Finder box



Location Zone – The tagged asset is located in the area bounded by the circle

2D Viewer Operation

To display the location –

1. Place the mouse at any location in the Detail View Window.
2. Press and hold the left mouse button.

The location will be displayed below the Detail View Window.

To pan –

1. Place the mouse at any location in the Detail View Window.
2. Press and hold the left mouse button.
3. Drag the display until the area of interest comes into view.

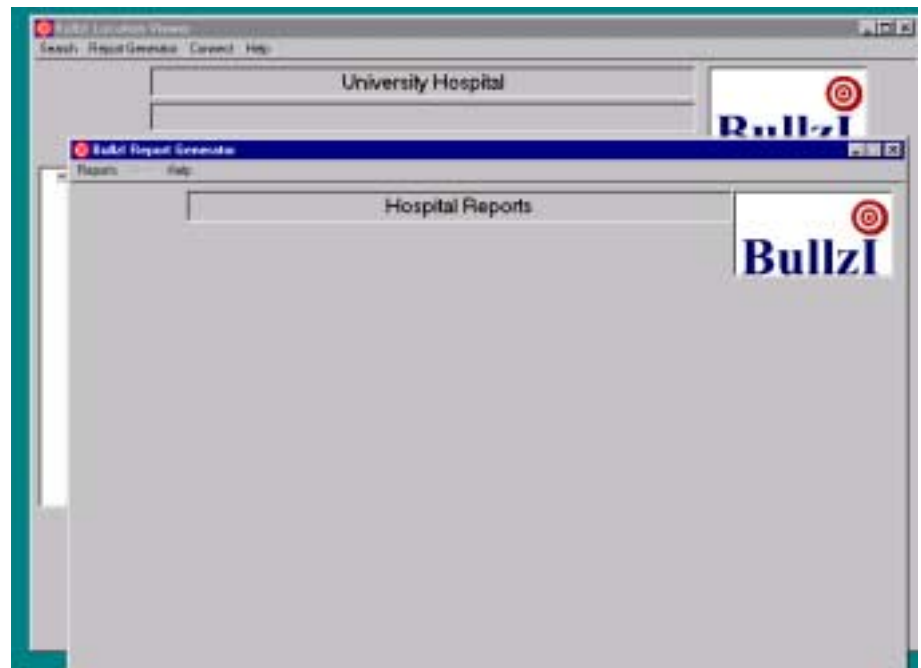
Notice the View Finder Window moves as the mouse is moved and the area inside the viewfinder box is what is displayed in the Detail View Window.

Report Generator

Provides the ability to view and print reports.

FIGURE 2.12

Selecting Report Generator from the menu bar causes the Reports screen to be displayed.



APPENDIX



RFID Tag BITGA-XX

Specification Sheet

Product Identification

FCC ID: QFFLLIBCRAMDERF

Part Nr. BITGA-12

Part Nr. BITGA-25

Part Nr. BITGA-50

Features

- ◆ More than 8 billion unique codes
- ◆ Long battery life
- ◆ Low cost
- ◆ Sealed plastic enclosure
- ◆ Cost effective tag exchange program

Physical Characteristics

Length: 2.49 in (63.25 mm)

Width: 1.44 in (36.58 mm)

Height: 0.50 in (12.70 mm)

Weight: 1.20 oz (34.0 g)

Material: ABS, Polylac 717C

Color: White

Seal: Ultrasonic Weld

Technical Specifications

Battery Life, BITGA-25: > six years

Frequency: 303.825 MHz

Operating Humidity: < 99% RH

Storage Humidity: < 99% RH

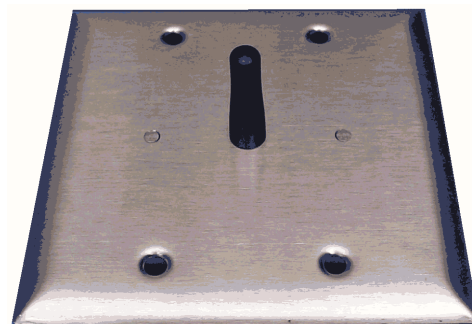
Operating Temperature: 0° C to 70° C

Storage Temperature: -20° C to 85° C



Receiver Processor BIRPA13

Specification Sheet



NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

Physical Characteristics

Length:	4.6 in (11.7 cm)
Width:	4.6 in (11.7 cm)
Height:	2.4 in (6.1 cm)
Weight:	8.5 oz (28.3 g)
Material:	Stainless Steel
Color:	Colors available
Mounting:	Standard 2-gang electrical box

Technical Specifications

Frequency:	303.825 MHz
Antenna:	Spiral, 1.3 in (3.3 cm)
Power Requirement:	5V DC, 26 Ma.
Network Connection:	RS-485
Maximum Cable Length:	300 ft (91.4 m)
Operating Humidity:	< 95% (non-condensing)
Storage Humidity:	< 95% (non-condensing)
Operating Temperature:	0° C to 70° C
Storage Temperature:	-20° C to 85° C



Serial Switch BISSA Specification Sheet



NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Physical Characteristics

Height:	10.0 in (25.4 cm)
Width:	17.2 in (43.7 cm)
Depth:	2.6 in (6.6 cm)
Weight:	10.0 lbs (4.5 kg)
Material:	Stainless steel
Color:	Ivory, matt finish
Mounting:	Wall, four # 10 keyholes

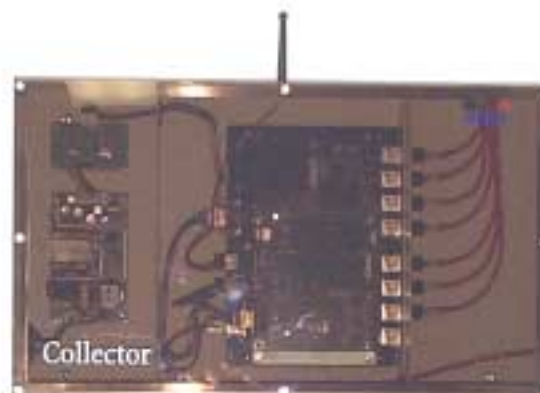
Technical Specifications

Ethernet Host Interface:	10Base-T (10 Mbps)
Number of Ports:	Four (4), RS-422-485, DB-9 F
Maximum Baud Rate:	230.4 kps
Power Requirement:	100-240 Vac, 0.1 A
Heat Output:	27.0 BTU / hour
Operating Humidity:	8% - 80% (non-condensing)
Storage Humidity:	20% - 80% (non-condensing)
Operating Temperature:	0° C to 40° C
Storage Temperature:	-20° C to 85° C



Collector BICLA

Specification Sheet



NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Physical Characteristics

Height:	10.0 in (25.4 cm)
Width:	17.2 in (43.7 cm)
Depth:	2.6 in (6.6 cm)
Weight:	10.0 lbs (4.5 kg)
Material:	Stainless steel
Color:	Ivory, matt finish
Mounting:	Wall, four # 10 keyholes

Technical Specifications

Receiver Processor Ports:	8 each RS-485
Standard I/O Ports:	1 each RS-485, 1 each RS-232
Optional I/O:	2.4 GHz SSFH, IEEE 802.3
Power Requirement:	90 – 264 Vac, 0.6A
Heat Output:	6.3 BTU / hour
Operating Humidity:	< 95% (non-condensing)
Storage Humidity:	< 95% (non-condensing)
Operating Temperature:	0° C to 60° C
Storage Temperature:	-20° C to 85° C

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