



# *Reusable Tag Model 110A User Guide*

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## **Safety and Regulatory Information**

### **FCC**

FCC ID: Q9V-110-A  
Radianse Indoor Location Systems  
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.

### **Caution!**

Radianse Inc. warns the user that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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# INTRODUCTION

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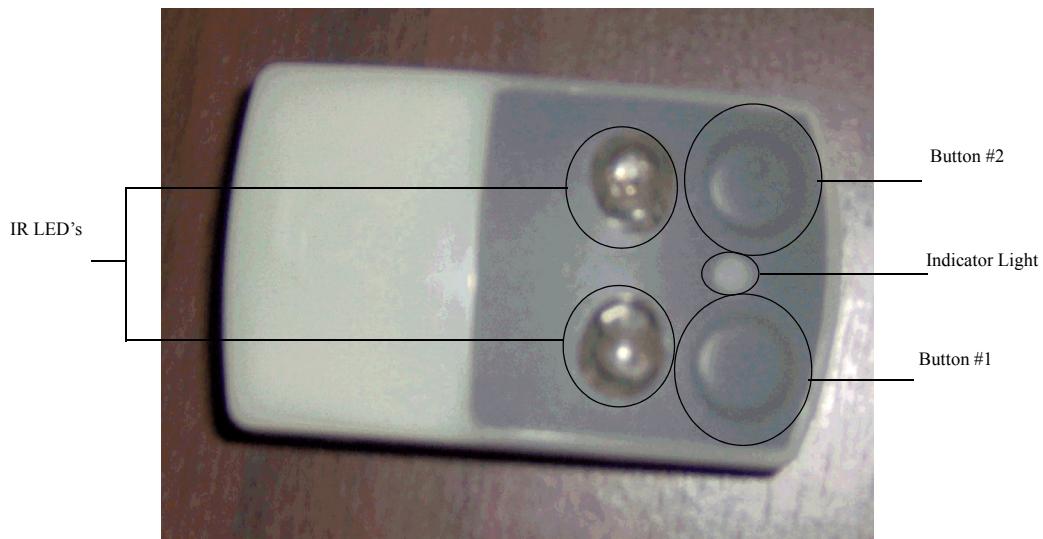
In a hospital, you need to find patients quickly. With a Radianse Indoor Positioning System (IPS), you can. This book, which includes the following, is for those who want to locate equipment and patients and support staff members more quickly using the Radianse IPS system and the reusable ID-tag Model 110A.

- Chapter 1, Introduction, describes the reusable ID-tag Model 110A hardware.
- Chapter 2, Activating and installing the reusable ID-tag Model 110A, describes how to make the tag ready for its first use.
- Chapter 3, Using ID-Tags, shows how to assign ID-tags to equipment and people and how to unassign ID-tags from equipment and people.

## ID-TAG MODEL 110A

You provide Radianse IPS Reusable ID-tags to patients to wear so you can track their location.

The reusable tag Model 110A has two buttons, two IR LED's, and an indicator light as shown.



## INTRODUCTION

# ACTIVATING THE REUSABLE TAG

**T**o use the Radianse IPS reusable tag, you must first activate the tag.

## ACTIVATING AND INSTALLING ID-TAGS

To *activate* a reusable ID-tag, or make the ID-tag ready for first use, you use the two buttons on the tag as follows:

### To activate a reusable ID-tag

**Step 1** Hold down button #1 on the front of the tag.



**Step 2** Continue to hold button #1, while you press and release the button #2 once.

**Step 3** Release button #1.

You see the indicator light flash 4 times.

**To attach a reusable ID-tag**

- You attach a reusable ID-tag to a person's apparel using a clip.
- You attach a reusable ID-tag to equipment using adhesive as follows:
  - 1 Find a flat area on the piece of equipment that is protected from being hit or bumped.
  - 2 Clean the area with alcohol and let dry.
  - 3 Apply the tag with the adhesive using firm direct pressure for 10 seconds.

**Note:** After an hour, the adhesive is set at 75% strength. Adhesive is at full strength after 48 hours.

- You attach a reusable ID-tag to equipment using a lanyard as follows:
  - 1 Slide the connector onto the tag backing.
  - 2 Wrap the lanyard around the asset to secure as needed.
  - 3 Attach the other connector to the tag backing.

**Note:** Keep the connectors in the track on the tag backing.

- 4 Clean the back of the tag with an alcohol wipe.
- 5 Remove paper from the adhesive.
- 6 Attach the backing to the tag using firm direct pressure for 1 minute.

**Note:** To replace a used lanyard tag, you peel off the old adhesive, clean both the tag and the tag backing, and apply a new adhesive and follow the instructions for attaching a tag to equipment using a lanyard.

# MAINTAINING ID-TAGS

**Y**ou assign ID-tags to patients you want to track with the Radianse Indoor Positioning System. When a resource no longer needs to be tracked, you unassign the related ID-tag.

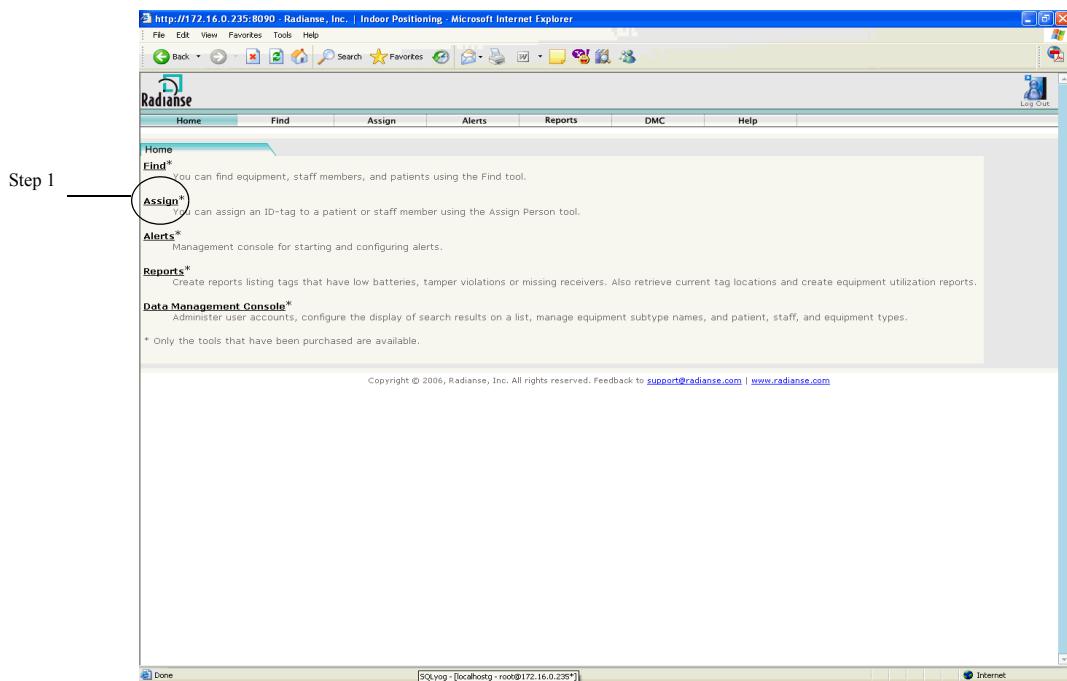
## ASSIGNING ID-TAGS TO PATIENTS

You assign ID-tags to patients so you can use the Radianse system to locate them.

### To assign an ID-tag to a patient

You can assign an ID-tag to a patient as follows:

**Step 1** From the Radianse Find/Assign home, click **Assign**.



You see the Radianse **Login** page.

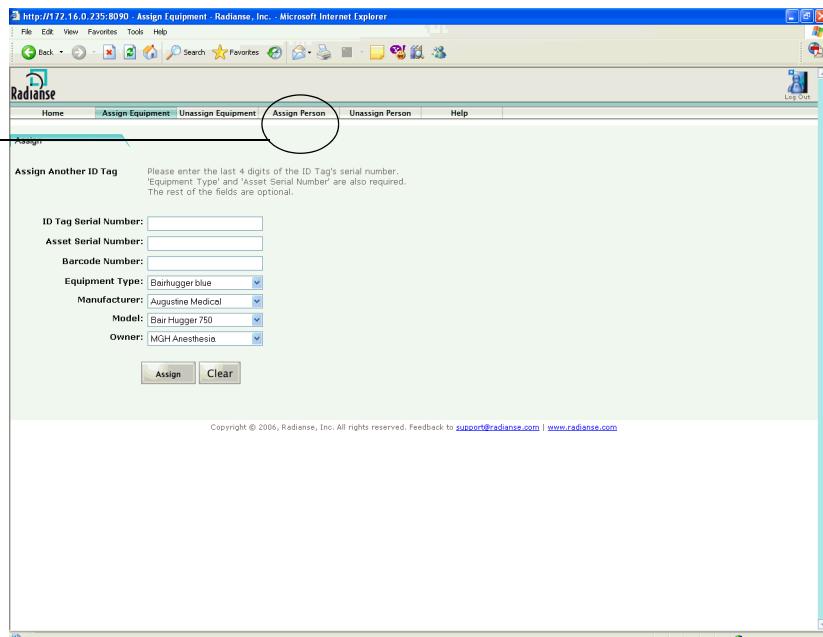
3

**Step 2** Enter your Radianse **username** and **password**, and click **Login**.

You see the **Assign Equipment** page.

**Step 3** Click **Assign Person**.

Step 3



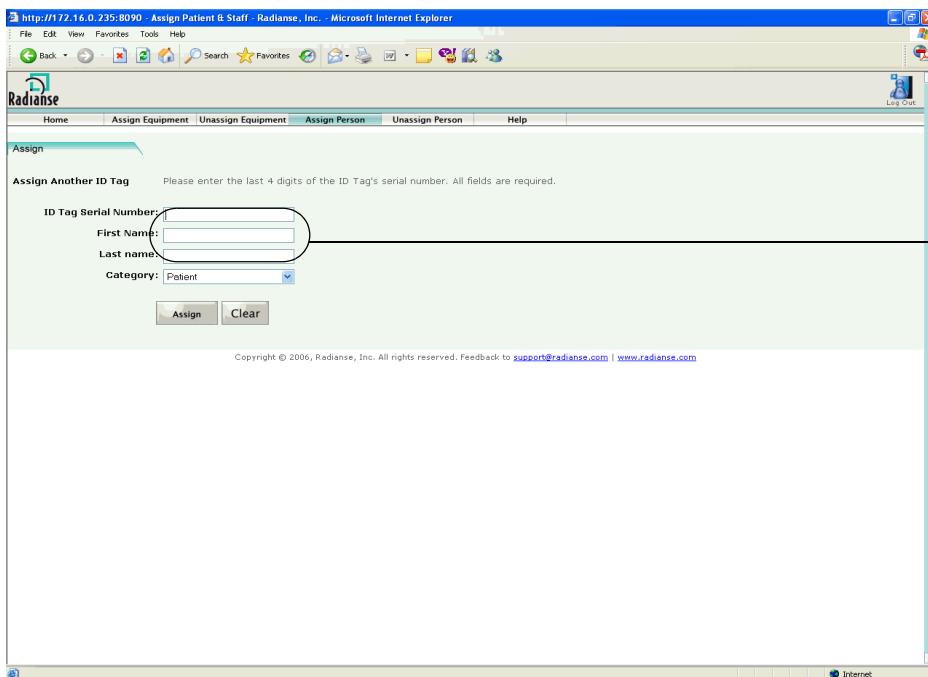
The screenshot shows a Microsoft Internet Explorer window with the following details:

- Title Bar:** http://172.16.0.235:8090 Assign Equipment - Radianse, Inc. - Microsoft Internet Explorer
- Menu Bar:** File, Edit, View, Favorites, Tools, Help
- Toolbar:** Back, Forward, Stop, Refresh, Favorites, Mail, Help
- Header:** Radianse, Home, Assign Equipment, Unassign Equipment, **Assign Person** (highlighted with a red circle), Unassign Person, Help, Log Out
- Content Area:**
  - Section:** Assign
  - Form:** Assign Another ID Tag
  - Instructions:** Please enter the last 4 digits of the ID Tag's serial number. 'Equipment Type' and 'Asset Serial Number' are also required. The rest of the fields are optional.
  - Fields:** ID Tag Serial Number: [input], Asset Serial Number: [input], Barcode Number: [input], Equipment Type: [dropdown: Bairhugger blue], Manufacturer: [dropdown: Augustine Medical], Model: [dropdown: Bar Hugger 750], Owner: [dropdown: MGH Anesthesia]
  - Buttons:** Assign, Clear
- Page Footer:** Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to [support@radianse.com](mailto:support@radianse.com) | [www.radianse.com](http://www.radianse.com)

You see the Assign Person window.

**Step 4** Enter the following information for the ID-tag you want to assign:

- Last 4 digits of Transmitter Serial Number
- First Name
- Last Name



http://172.16.0.235:8090 - Assign Patient B Staff - Radianse, Inc. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Search Favorites Favorites Home Assign Equipment Unassign Equipment Assign Person Unassign Person Help

Log Out

Assign

Assign Another ID Tag Please enter the last 4 digits of the ID Tag's serial number. All fields are required.

ID Tag Serial Number:

First Name:

Last Name:

Category:

Assign Clear

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Step 4

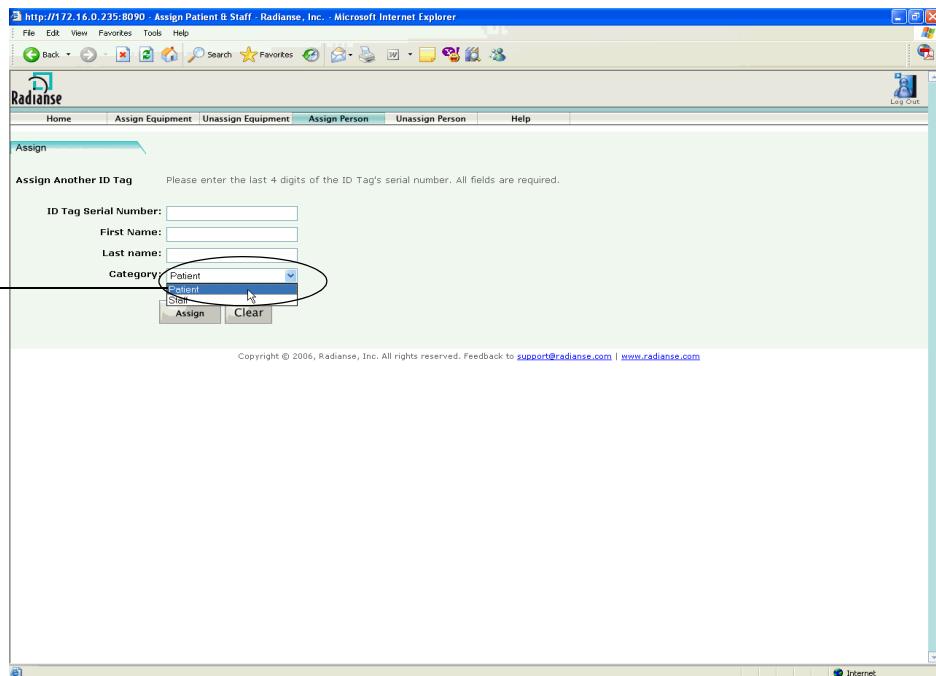
## MAINTAINING ID-TAGS

## Assigning ID-Tags to Patients

3

**Step 5** From the **Category** drop-down, choose **Patient**.

Step 5



http://172.16.0.235:8090 - Assign Patient & Staff - Radianse, Inc. Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Search Favorites Log Out

Radianse

Home Assign Equipment Unassign Equipment Assign Person Unassign Person Help

Assign

Assign Another ID Tag

Please enter the last 4 digits of the ID Tag's serial number. All fields are required.

ID Tag Serial Number:

First Name:

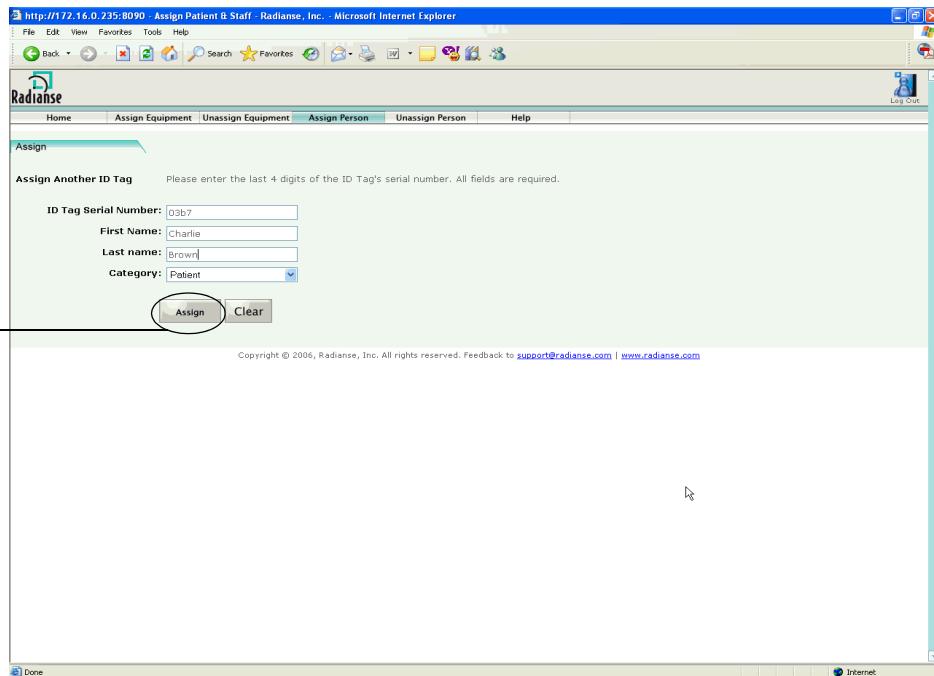
Last name:

Category:

Assign Clear

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**Step 6** Choose from any additional drop-downs displayed, and enter other information requested, for example, **Patient Type**, or **Medical Record Number**. Click **Assign**.



http://172.16.0.235:8090 : Assign Patient & Staff - Radianse, Inc. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Search Favorites Mail

Home Assign Equipment Unassign Equipment Assign Person Unassign Person Help

Log Out

Assign

Assign Another ID Tag Please enter the last 4 digits of the ID Tag's serial number. All fields are required.

ID Tag Serial Number: 03b7

First Name: Charlie

Last name: Brown

Category: Patient

Assign Clear

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Done Internet

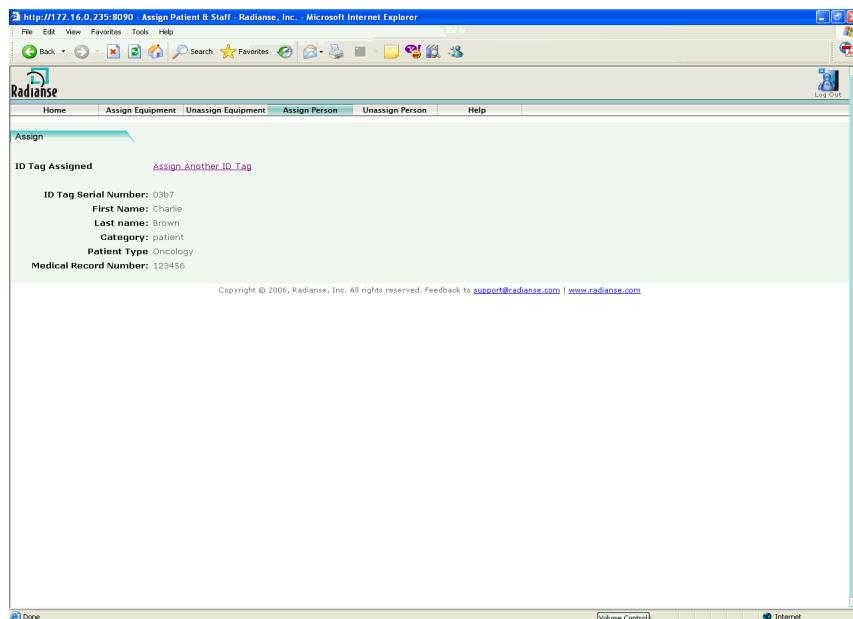
Step 6

## MAINTAINING ID-TAGS

## Assigning ID-Tags to Patients

3

You see the information now associated with the transmitter you successfully assigned.

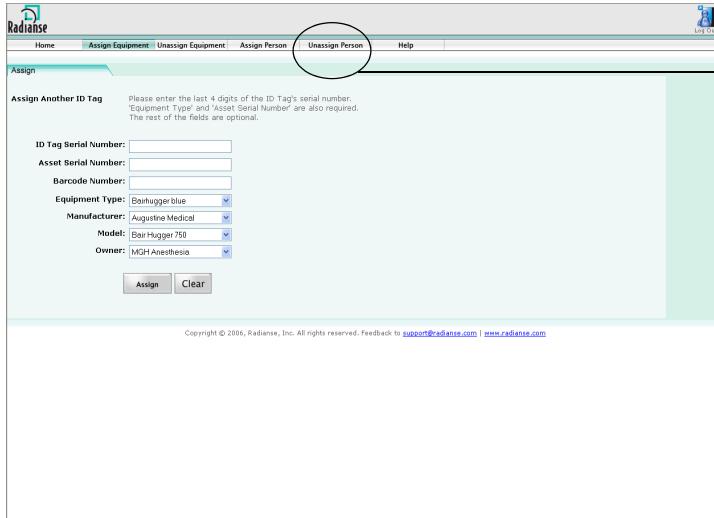


**Note:** You can click **Assign Another Transmitter** to begin assigning another ID-tag, or you can click **Logout** to exit the program.

## To unassign an ID-tag from a patient

You can unassign an ID-tag from a patient as follows:

- Step 1 From the **Assign Person** page, click **Unassign Person**.



Step 1

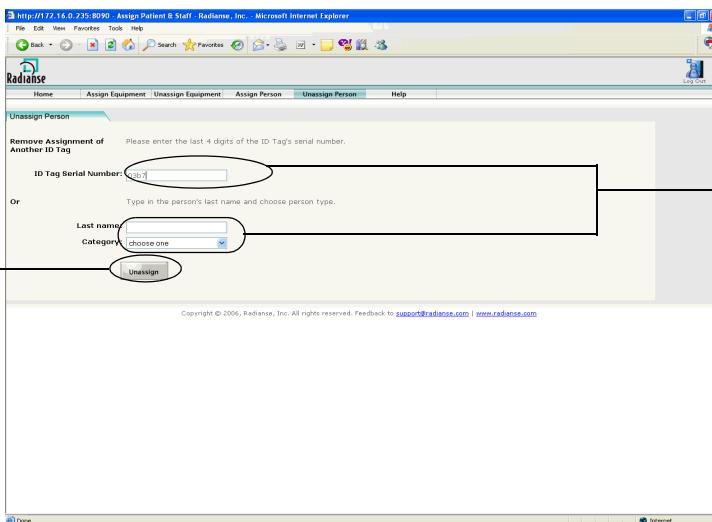
The screenshot shows the Radianse software interface. The top navigation bar includes links for Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person (which is highlighted with a circle), and Help. The main content area is titled 'Assign' and contains a sub-section 'Assign Another ID Tag'. A note says: 'Please enter the last 4 digits of the ID Tag's serial number. 'Equipment Type' and 'Asset Serial Number' are also required. The rest of the fields are optional.' Below this are several input fields: 'ID Tag Serial Number' (with a placeholder '0000'), 'Asset Serial Number' (empty), 'Barcode Number' (empty), 'Equipment Type' (set to 'Barhugger Blue'), 'Manufacturer' (set to 'Augustine Medical'), 'Model' (set to 'Bar Hugger 750'), and 'Owner' (set to 'MGH Anesthesia'). At the bottom are 'Assign' and 'Clear' buttons. The footer contains the copyright notice: 'Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com'.

## MAINTAINING ID-TAGS

## Assigning ID-Tags to Patients

3

You see the **Unassign Person** page.



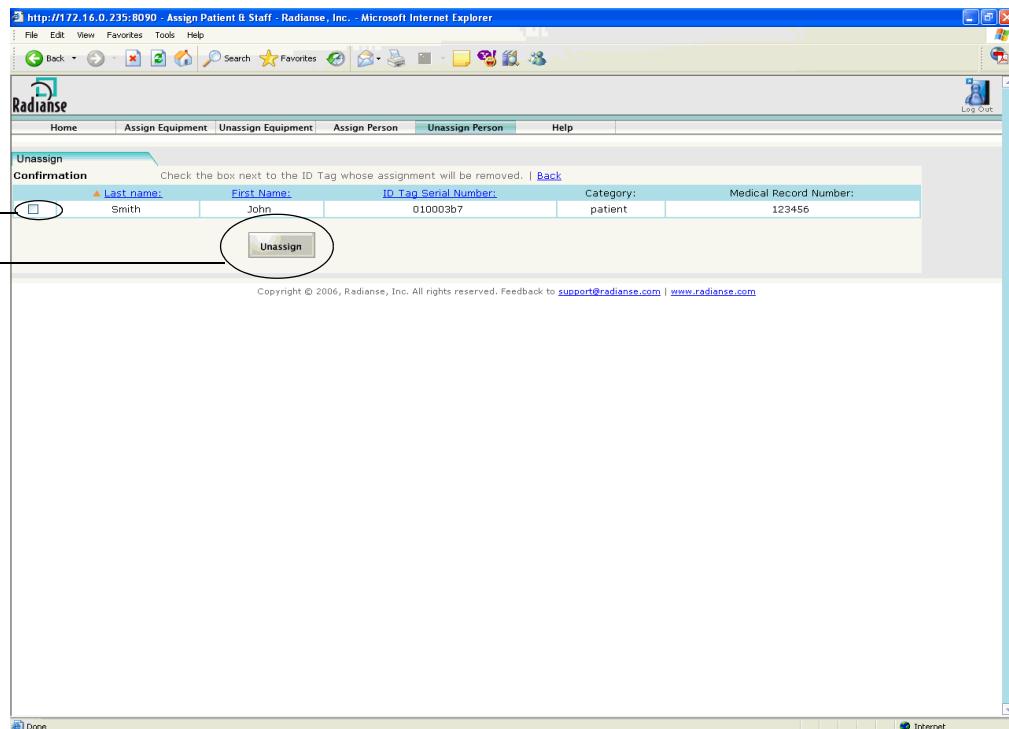
Step 2  
Last 4 digits **or**  
Last Name +  
Category

Step 3

**Step 2** Enter the last 4 digits of the serial number of the ID-tag (transmitter) you want to unassign,  
- OR -  
Enter the last name of the person whose ID-tag you want to unassign, and from the **category** drop-down, choose the correct category.

**Step 3** Click **Unassign**.

You see the **Unassign Confirmation** page.



**Step 4** Check the box beside the user whose ID-tag you want to unassign.

**Step 5** Click **Unassign**.

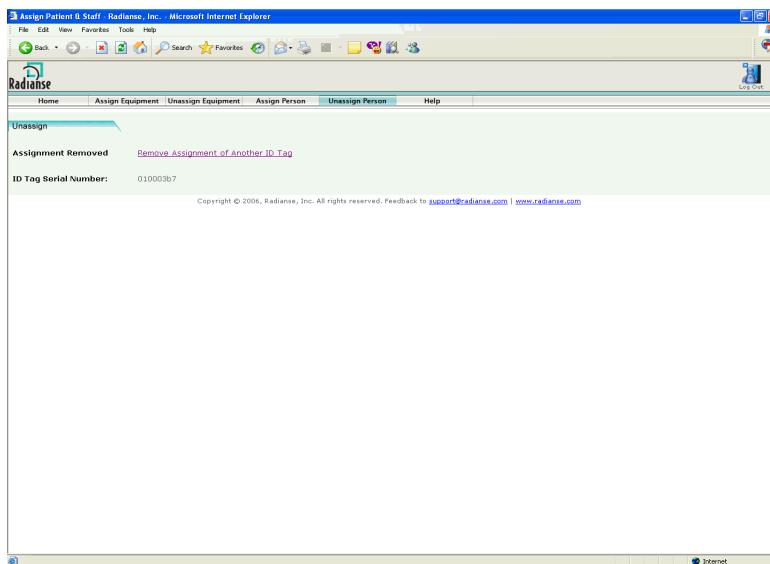
You see a confirmation that the transmitter assignment has been successfully removed.

## MAINTAINING ID-TAGS

## Assigning ID-Tags to Patients

3

**Note:** You can click **Remove Assignment of Another Transmitter** to begin unassigning another ID-tag, or you can click **Logout** to exit the program.



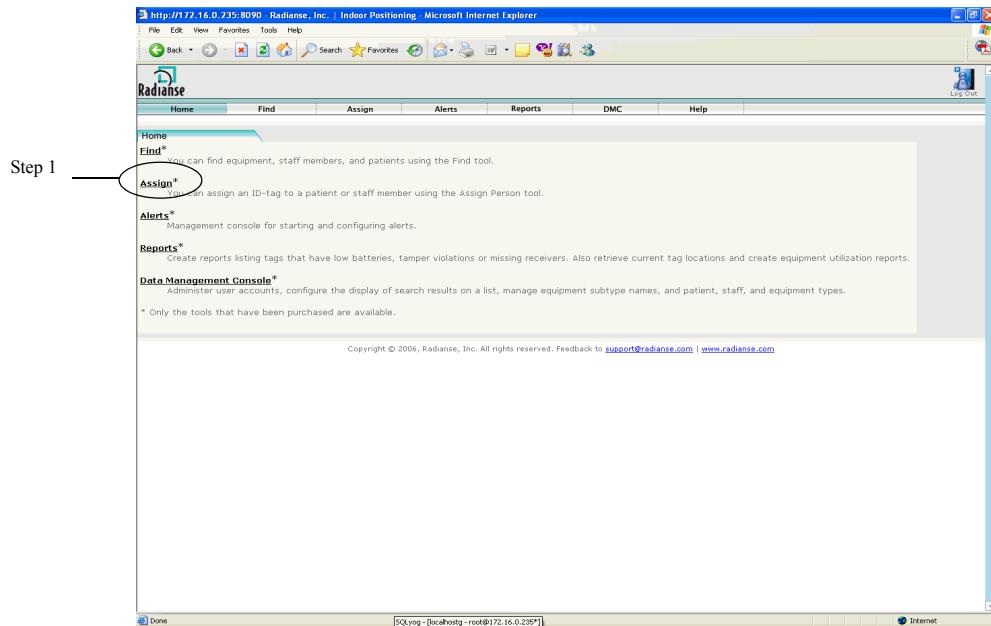
## ASSIGNING ID-TAGS TO EQUIPMENT

You assign ID-tags to equipment so you can use the Radianse system to locate the equipment.

### To assign ID-tags to equipment

You can assign ID-tags to equipment as follows:

**Step 1** From the Radianse Find/Assign Home, click **Assign**.



You see the Radianse **Login** page.

**Step 2** Enter your Radianse **username** and **password**, and click **Login**.

You see the **Assign Equipment** page.

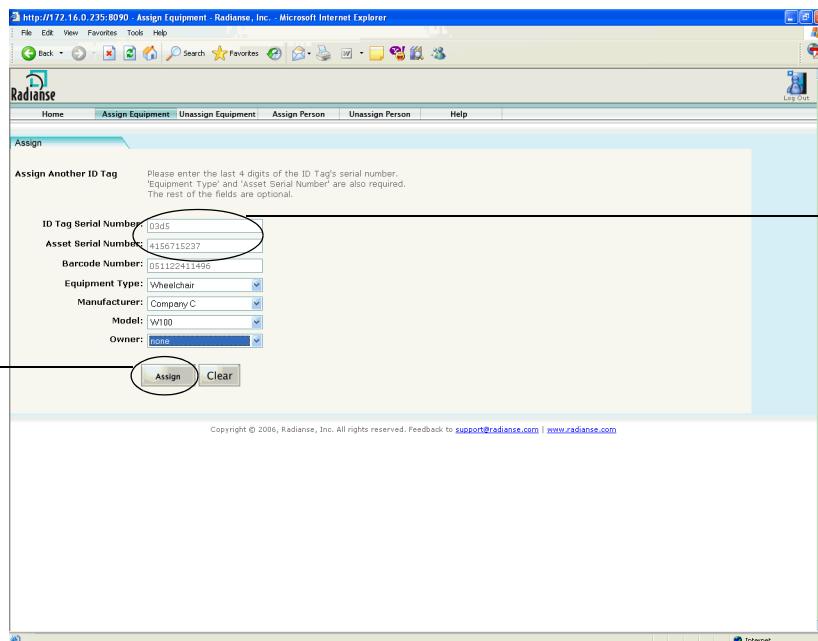
**Step 3** Enter the following in their respective text boxes:

- Last 4 digits of the **ID-tag Serial Number**
- **Asset Serial Number**

**Step 4** From the **Equipment Type** drop-down, select the **Equipment Type**.

**Step 5** Choose or enter any additional search options you want.

Step 6



Assign Another ID Tag

Please enter the last 4 digits of the ID Tag's serial number. 'Equipment Type' and 'Asset Serial Number' are also required. The rest of the fields are optional.

ID Tag Serial Number: 0345

Asset Serial Number: 4156715237

Barcode Number: 031122411496

Equipment Type: **Wheelchair**

Manufacturer: Company C

Model: W100

Owner: None

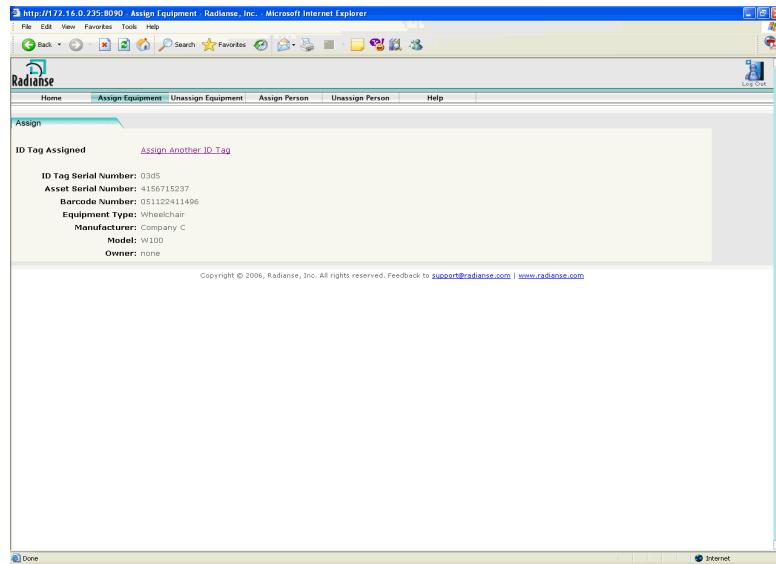
Assign Clear

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Steps 3 and 4

**Step 6** Click **Assign**.

You see a confirmation that the ID-tag has been successfully assigned.



**Note:** You can click **Assign Another ID-tag** to begin assigning another ID-tag, or you can click **Logout** to exit the program.

## MAINTAINING ID-TAGS

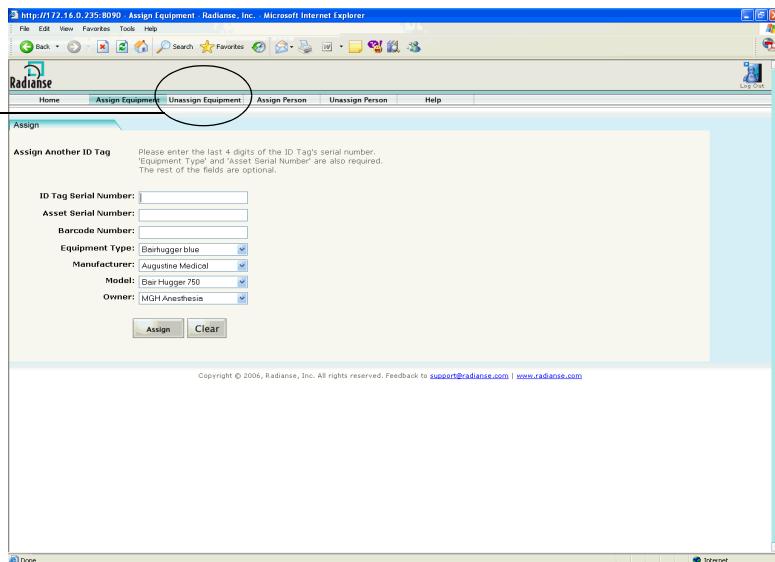
### Assigning ID-Tags to Equipment

3

#### To unassign ID-tags from equipment

**Step 1** From the Assign Equipment page, click Unassign Equipment.

Step 1



The screenshot shows a Microsoft Internet Explorer window with the following details:

- Title Bar:** http://172.16.0.235:8090 - Assign Equipment - Radianse, Inc. - Microsoft Internet Explorer
- Navigation Bar:** File, Edit, View, Favorites, Tools, Help
- Toolbar:** Back, Forward, Stop, Refresh, Favorites, Home, Stop, Refresh, Favorites, Help
- Header:** Radianse, Home, Assign Equipment (circled), Unassign Equipment, Assign Person, Unassign Person, Help
- Content Area:**
  - Section:** Assign
  - Form:** Assign Another ID Tag
  - Instructions:** Please enter the last 4 digits of the ID Tag's serial number. 'Equipment Type' and 'Asset Serial Number' are also required. The rest of the fields are optional.
  - Fields:** ID Tag Serial Number: (input field), Asset Serial Number: (input field), Barcode Number: (input field), Equipment Type: (dropdown: Bierhugger blue), Manufacturer: (dropdown: Augustine Medical), Model: (dropdown: Bier Hugger 750), Owner: (dropdown: MGH Anesthesia).
  - Buttons:** Assign, Clear
- Page Bottom:** Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com
- Internet Explorer Status Bar:** Done, Internet

You see the **Unassign Equipment** page.

Step 2  
Enter last 4 digits of ID-tag serial number  
- OR -  
Enter equipment serial number

Step 3

Unassign Equipment

Remove Assignment of Another ID Tag

Please enter the last 4 digits of the ID Tag's serial number.

ID Tag Serial Number: 0325

Or

Enter the asset's serial number.

Asset Serial Number:

Unassign

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**Step 2** Enter the last 4 digits of the **Transmitter Serial Number** or enter the **Equipment Serial Number**.

**Step 3** Click **Unassign**.

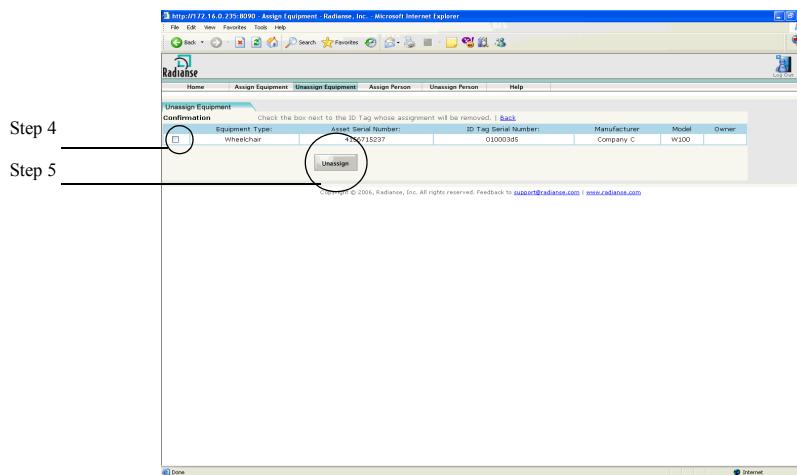
You see the **Unassign Confirmation** page.

## MAINTAINING ID-TAGS

### Assigning ID-Tags to Equipment

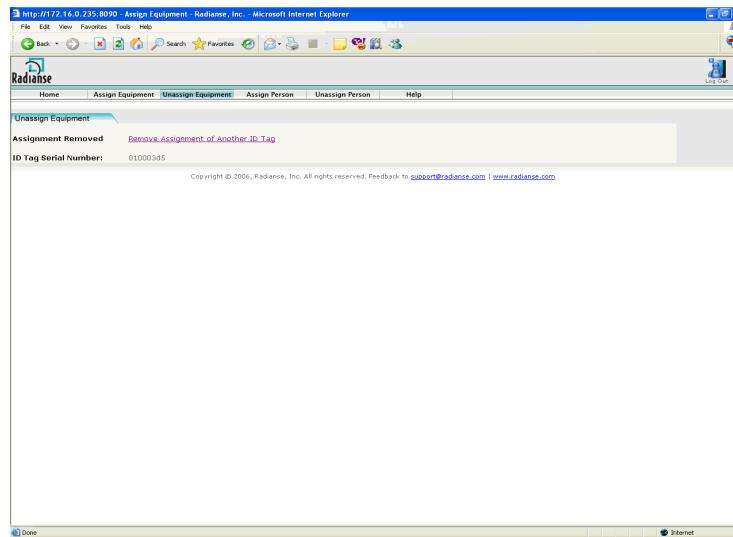
3

**Step 4** Check the box beside the item with the ID-tag you want to unassign.



**Step 5** Click **Unassign**.

You see the message confirming removal of the assignment.



**Note:** You can click **Remove Assignment of Another ID-tag** to begin unassigning another ID-tag, or you can click **Logout** to exit the program.

**MAINTAINING ID-TAGS**  
*Assigning ID-Tags to Equipment*