



Reusable Tag Model 110A User Guide

www.radianse.com

Information in this manual is subject to change without notice. Companies, names, and data used in examples herein are fictitious unless otherwise noted. No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express permission of Radianse, Inc.

Radianse is a registered trademark of Radianse, Inc.

Other product and corporate names may be trademarks or registered trademarks of other companies. They are used for explanation only, with no intent to infringe.

Radianse does not warrant that the operation of Products will be uninterrupted or error free. The Radianse Products are not fault tolerant and are not designed, manufactured, or intended for use or resale as control equipment in hazardous environments requiring fail-safe performance in which failure could lead to directly to death, personal injury, or severe physical or environmental damage. The Radianse Indoor Positioning System is not designed to be sold as a medical ‘device’ as that term is defined at 21 U.S.C. 321(h) of the Federal Food, Drug and Cosmetic Act, or a component or accessory thereof. As sold, it is not intended to be subject to the Food and Drug Administration’s jurisdiction. It is intended to provide information on the position of specific items or persons only. No claim is made for the diagnosis of disease or other conditions or for the cure, mitigation, treatment or prevention of disease.

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.

Contents

.....

Chapter 1	Introduction	1
Chapter 2	Activating the Reusable Tag.....	3
	Activating and Installing ID-Tags.....	3
Chapter 3	Maintaining ID-Tags.....	5
	Assigning ID-Tags to Patients.....	5
	Assigning ID-Tags to Equipment	15



INTRODUCTION

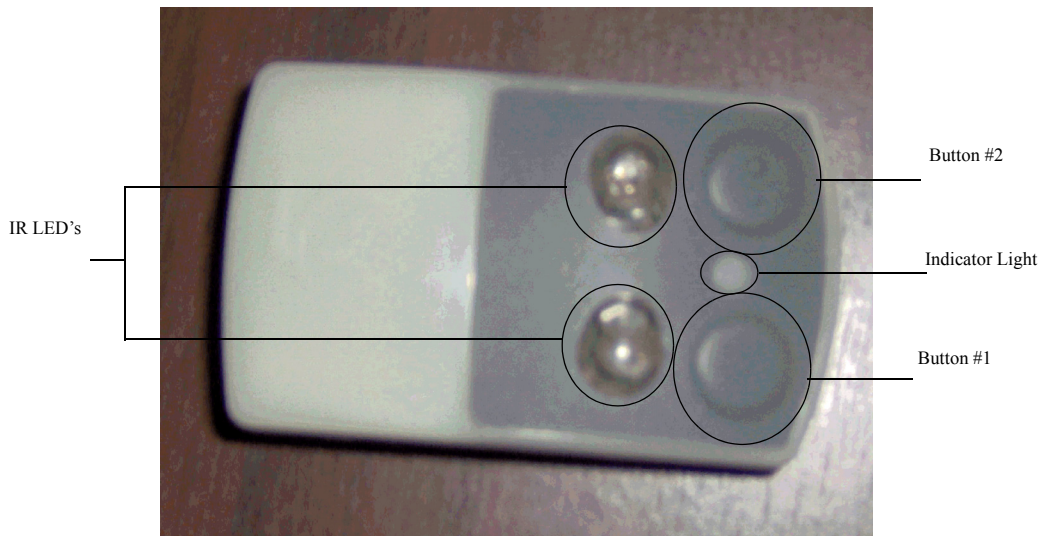
In a hospital, you need to find patients quickly. With a Radianse Indoor Positioning System (IPS), you can. This book, which includes the following, is for those who want to locate equipment and patients and support staff members more quickly using the Radianse IPS system and the reusable ID-tag Model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



ACTIVATING THE REUSABLE TAG

To 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 1

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

You 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

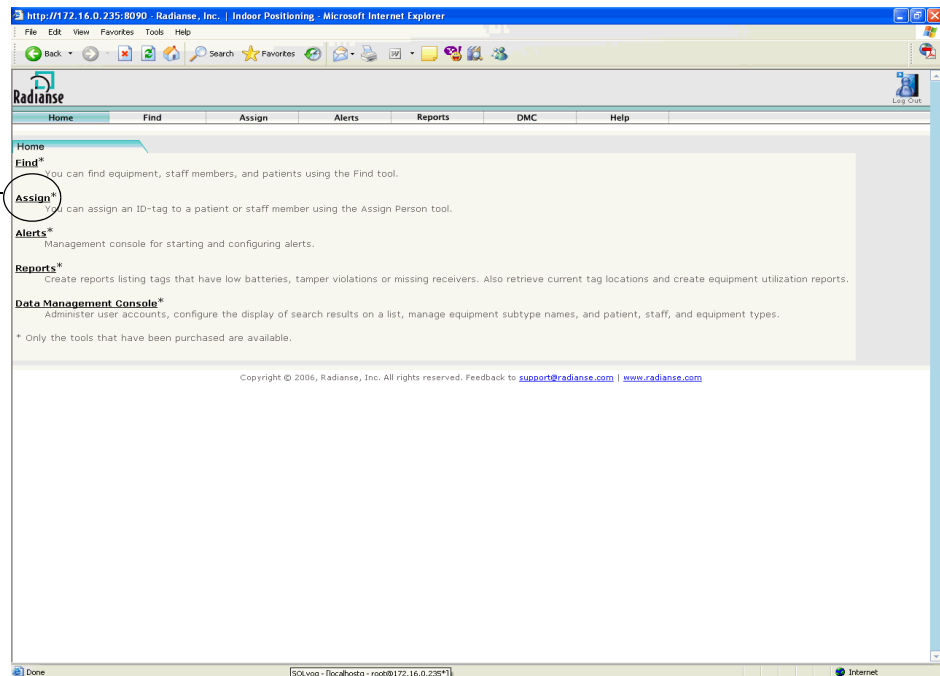
You assign ID-tags to patients so you can use the Radianse system to locate them.

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**.

Step 1



You see the Radianse **Login** page.

MAINTAINING ID-TAGS

Assigning ID-Tags to Patients

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 web browser window titled "http://172.16.0.235:8090 - Assign Equipment - Radianse, Inc. - Microsoft Internet Explorer". The browser's address bar and menu bar are visible. The web application has a navigation bar with links: Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person, and Help. The "Assign Person" link is circled in red. Below the navigation bar, the "Assign" section is active. It contains a heading "Assign Another ID Tag" and a sub-instruction: "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." There are five input fields: "ID Tag Serial Number:", "Asset Serial Number:", "Barcode Number:", "Equipment Type:" (a dropdown menu showing "Bairhugger blue"), "Manufacturer:" (a dropdown menu showing "Augustine Medical"), "Model:" (a dropdown menu showing "Bair Hugger 750"), and "Owner:" (a dropdown menu showing "MGH Anesthesia"). At the bottom of the form are two buttons: "Assign" and "Clear". The footer of the page reads: "Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | 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 & Staff - Radianse, Inc. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

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: Patient

Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com

Internet

Step 4

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

Step 5

The screenshot shows a web browser window with the URL <http://172.16.0.235:8090>. The page title is "Assign Patient & Staff - Radianse, Inc.". The browser's address bar shows the URL. The page has a navigation bar with links: Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person, and Help. The "Assign" tab is selected. Below the navigation bar, there is a section titled "Assign" with a sub-section "Assign Another ID Tag". A message says: "Please enter the last 4 digits of the ID Tag's serial number. All fields are required." Below this message are four input fields: "ID Tag Serial Number:", "First Name:", "Last name:", and "Category:". The "Category:" field is a drop-down menu that is currently open, showing three options: "Patient", "Resident", and "Staff". The "Patient" option is highlighted. Below the drop-down menu are two buttons: "Assign" and "Clear". A line points from the text "Step 5" to the "Patient" option in the drop-down menu. At the bottom of the page, there is a copyright notice: "Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com".

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

Step 6

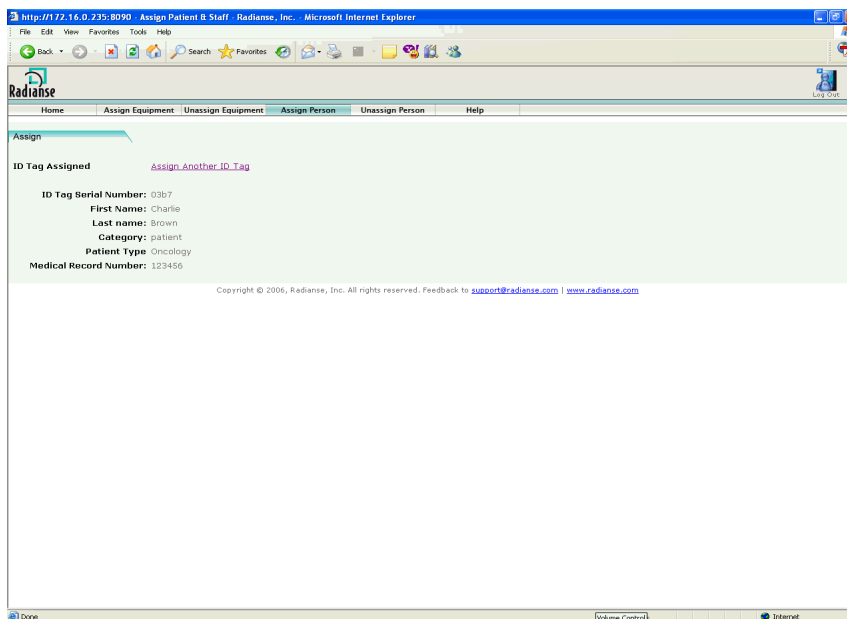
The screenshot shows a web browser window with the Radianse application. The address bar shows the URL: <http://172.16.0.235:8090> - Assign Patient & Staff - Radianse, Inc.. The browser is Microsoft Internet Explorer. The application has a navigation bar with links: Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person, and Help. The 'Assign' section is active. Below the navigation bar, there is a heading 'Assign' and a sub-heading 'Assign Another ID Tag'. A message states: 'Please enter the last 4 digits of the ID Tag's serial number. All fields are required.' The form contains the following fields: 'ID Tag Serial Number' with the value '03b7', 'First Name' with the value 'Charlie', 'Last name' with the value 'Brown', and 'Category' with a dropdown menu showing 'Patient'. At the bottom of the form are two buttons: 'Assign' (which is circled) and 'Clear'. Below the form, there is a copyright notice: 'Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com'. The browser status bar at the bottom shows 'Done' and 'Internet'.

MAINTAINING ID-TAGS

Assigning ID-Tags to Patients

3

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

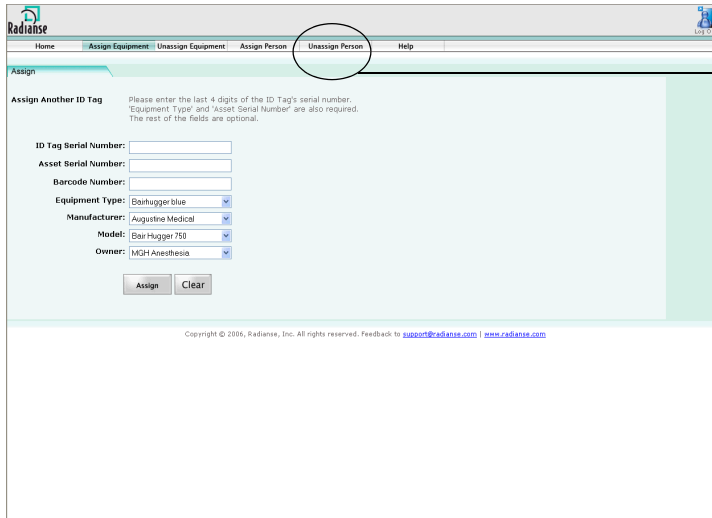


Note: You can click **Assign Another Transmitter** to begin assigning another ID-tag, or you can click **Logout** to exit the program.

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**.



The screenshot shows the Radianse web application interface. The top navigation bar includes links for Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person (circled), and Help. The main content area is titled 'Assign' and contains a section for 'Assign Another ID Tag'. This section includes input fields for ID Tag Serial Number, Asset Serial Number, and Barcode Number. It also features dropdown menus for Equipment Type (set to 'Boehringer blue'), Manufacturer (set to 'Augustine Medical'), Model (set to 'Boer Hugger 750'), and Owner (set to 'MGH Anesthesia'). At the bottom of this section are 'Assign' and 'Clear' buttons. A copyright notice at the bottom of the page reads: 'Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com'.

Step 1

You see the **Unassign Person** page.

The screenshot shows the 'Unassign Person' page in a Microsoft Internet Explorer browser window. The page has a navigation bar with links: Home, Assign Equipment, Unassign Equipment, Assign Person, Unassign Person, and Help. The main content area is titled 'Unassign Person' and contains the following text: 'Remove Assignment of Another ID Tag. Please enter the last 4 digits of the ID Tag's serial number.' Below this is a text input field labeled 'ID Tag Serial Number' with a circled '4' indicating the number of digits. An 'Or' section follows, with the text 'Type in the person's last name and choose person type.' Below this are two fields: 'Last name' and 'Category' (a dropdown menu). Both fields are circled. At the bottom of the form is a button labeled 'Unassign'. Annotations with lines point to these elements: 'Step 2' points to the 'ID Tag Serial Number' field and the 'Last name' field, with the text 'Last 4 digits or Last Name + Category'; 'Step 3' points to the 'Unassign' button.

Step 2
Last 4 digits or
Last Name +
Category

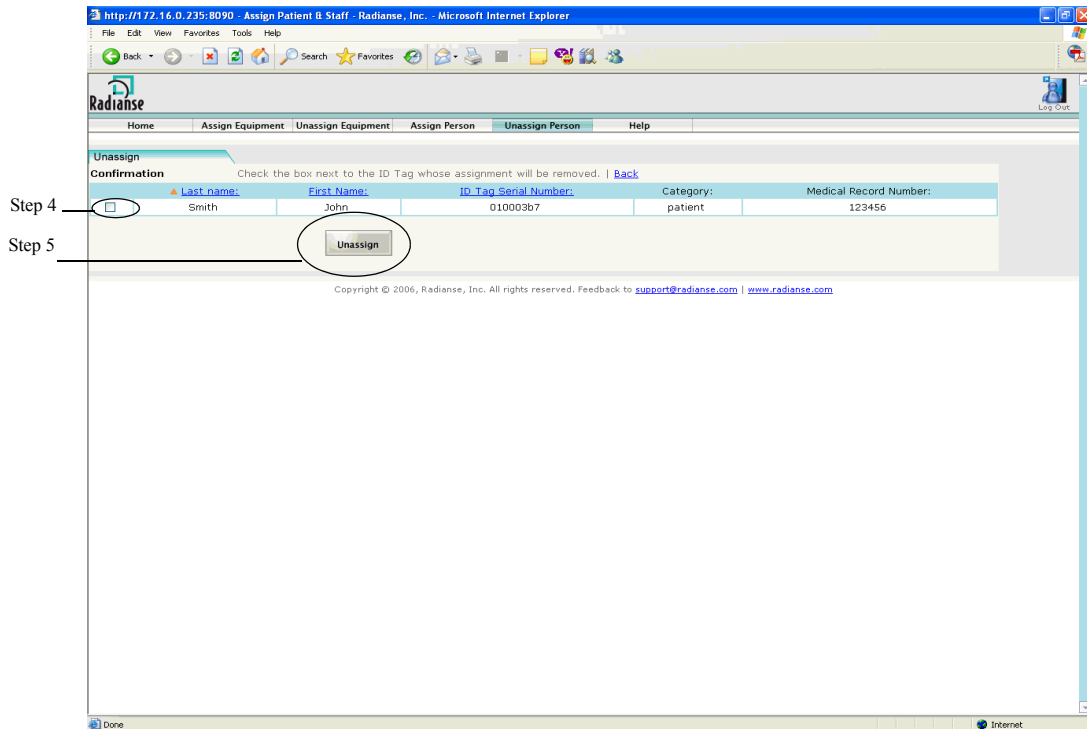
Step 3

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**.

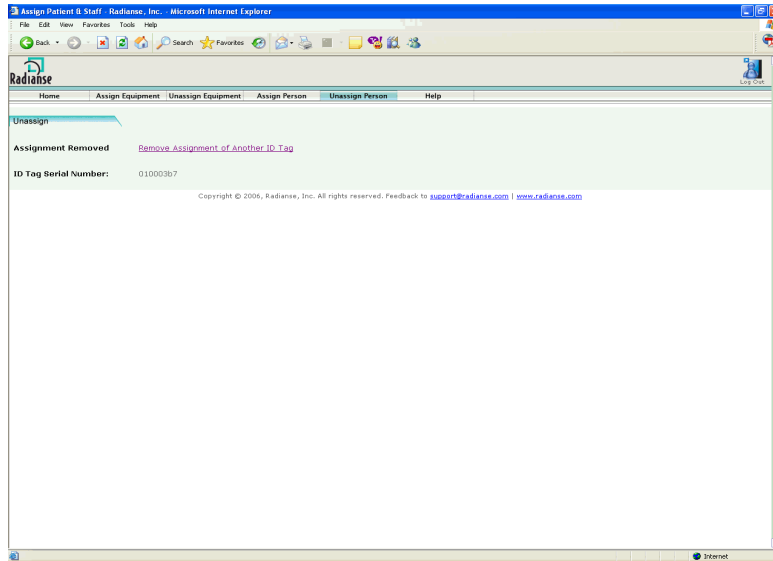
You see a confirmation that the transmitter assignment has been successfully removed.

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

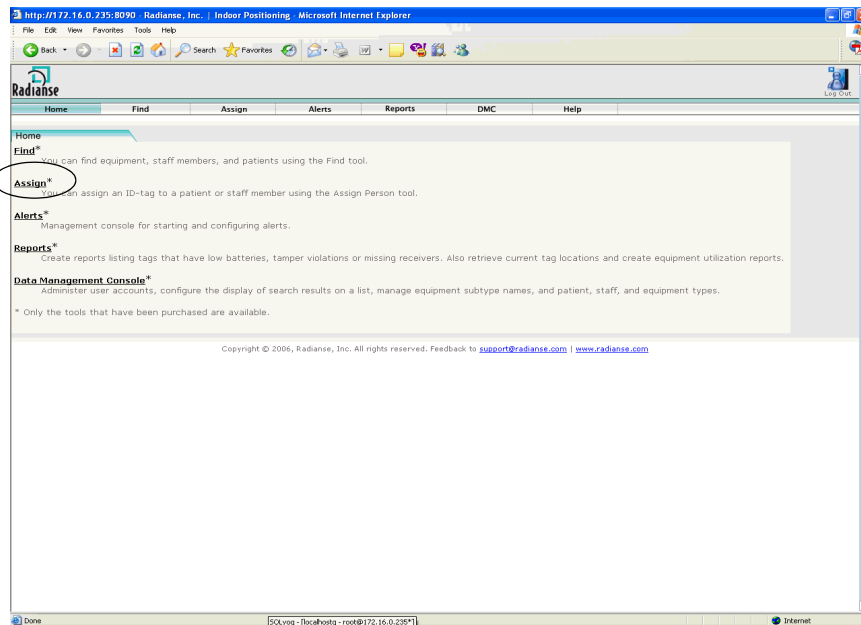
You assign ID-tags to equipment so you can use the Radianse system to locate the equipment.

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**.

Step 1



You see the Radianse **Login** page.

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

You see the **Assign Equipment** page.

MAINTAINING ID-TAGS

Assigning ID-Tags to Equipment

3

- 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.

http://172.16.0.235:8090 - Assign Equipment - Radianse, Inc. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

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.
'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: 051122411496

Equipment Type: Wheelchair

Manufacturer: Company C

Model: W100

Owner: none

Assign **Clear**

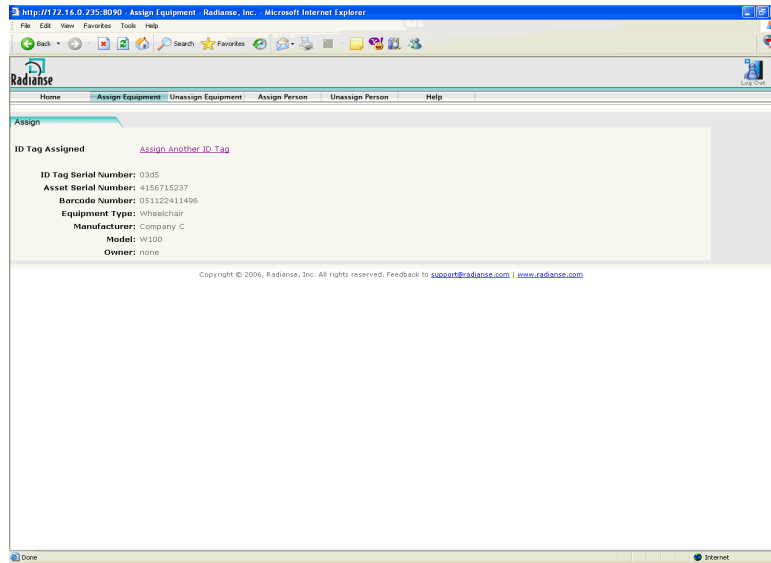
Copyright © 2006, Radianse, Inc. All rights reserved. Feedback to support@radianse.com | www.radianse.com

Internet

Step 6

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

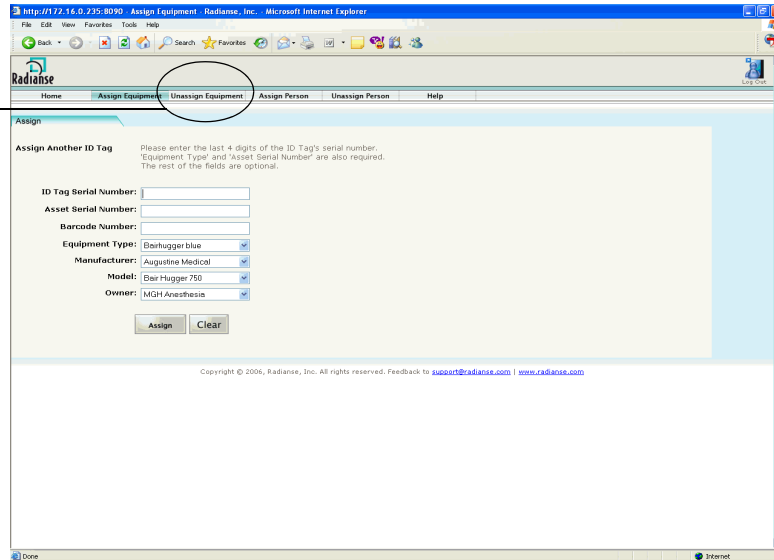
Assigning ID-Tags to Equipment

3

To unassign ID-tags from equipment

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

Step 1



You see the **Unassign Equipment** page.

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

Step 3

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

Step 3 Click **Unassign**.

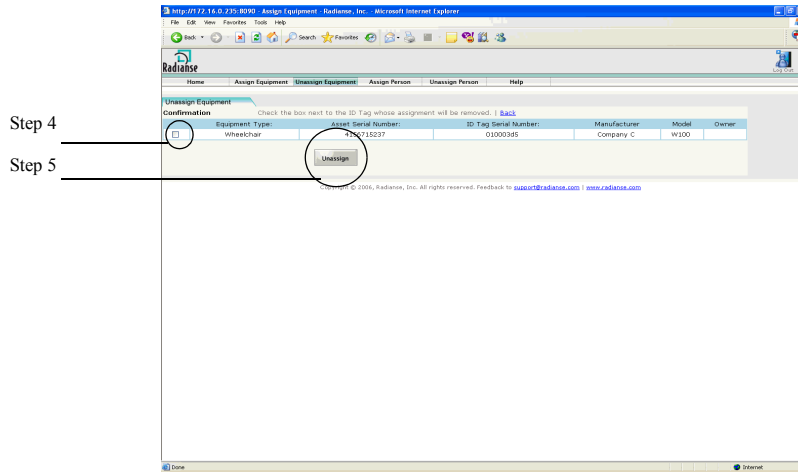
You see the **Unassign Confirmation** page.

MAINTAINING ID-TAGS

Assigning ID-Tags to Equipment

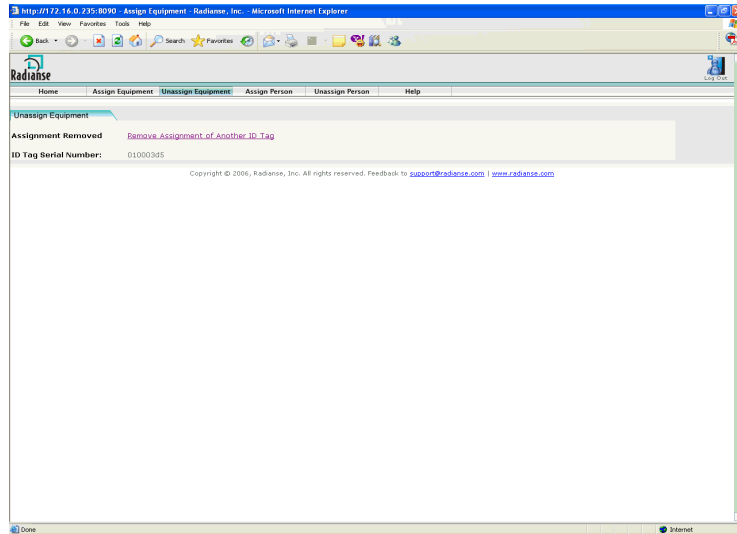
3

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.

