

Liberty™ UHX Pedestal for Retail

Upgrade Guide

Checkpoint



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- OR -

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- OR -

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INTRODUCTION

This Guide allows you to upgrade existing installations of QS2000, Strata PX and Liberty PX pedestals to the new Liberty UHX pedestal. The new Liberty UHX pedestals can read both EAS and UHF/RFID tags simultaneously.

The following upgrade scenarios are covered in this document:

- Removing the existing pedestals
 - QS2000 pedestals (EAS)
 - Strata PX pedestals (EAS)
 - Liberty PX pedestals (EAS)
- Installing the new Liberty UHX pedestals (EAS and RFID)
 - Cutting the new wiring channel
 - Installing the power supplies
 - Running the electrical and network wiring
 - Installing the new Liberty UHX pedestals

An upgrade is completed by Checkpoint in an expeditious manner from the legacy pedestals without disruption to the store operations for extended periods of times. All upgrades will take place outside of store hours during a period of time mutually agreed upon by both parties.

Similar to the initial installation of either the Liberty PX, Strata PX or QS2000 pedestals, the process of upgrading to the Liberty UHX pedestals requires the presence of Checkpoint Technicians, Target personnel, and Checkpoint contractors. Checkpoint is responsible for carefully screening and engaging the Checkpoint contractor prior to the scheduled installation date. In some instances, a licensed electrician may be required. Whether an electrician is required or not will depend on the local building codes.

An upgrade plan includes installing the Liberty UHX antennas and fully configuring and testing the EAS functionality of the antennas prior to the store opening. Once the EAS functionality of the antennas is confirmed, the Liberty UHX pedestals will be configured and tuned for full UHF functionality.

The following table outlines the responsibilities for each installation group. The tasks are listed in the order they should be completed.

Table 0.1 Installation/upgrade task list

Responsibility (Task)	Installation Group
*Acquiring replacement mat, if necessary	Target
Removing existing pedestals	Checkpoint
Repairing old drill holes, if necessary	Checkpoint Contractor
Removing existing floor mats	Checkpoint Contractor
Removing any bumper posts, if necessary	Checkpoint Contractor
Filling in old bumper post holes, if necessary	Checkpoint Contractor
Cutting new floor channel (trench)	Checkpoint Contractor
Installing walker duct	Checkpoint Contractor
Installing power supply boxes	Checkpoint Contractor
Running power from ceiling to floor	Checkpoint
Running power in walker duct to pedestals base	Checkpoint
Crimping power wires and installing connectors	Checkpoint
Running CAT 5 network cable and terminate at the power supply with appropriate length	Target
Running CAT 5 network cable from power supply to floor	Checkpoint Contractor
Running CAT 5 network cable in walker duct to pedestal base	Checkpoint
Installing connectors on the CAT 5 network cable	Target
Testing network connectivity	Target
Connecting CAT 5 cable to pedestal riser	Checkpoint
Connection power to pedestal riser	Checkpoint
Installing new pedestals	Checkpoint
Replacing floor mats, if necessary	Checkpoint Contractor
Testing new pedestals for EAS	Checkpoint
Testing new pedestals for UHF	Checkpoint

*Note: Replacement mats are ordered and maintained by Target. It is important for Checkpoint personnel to review the site survey and determine necessity of mats. If replacement mats are required, Checkpoint personnel must notify Target to have mats ordered and delivered in time for the upgrade to the existing pedestals. As a precautionary measure, Checkpoint technicians will carry a 15 by 10 foot mat to all installations.

REMOVING EXISTING PEDESTALS

In order to install the Liberty UHX pedestals, you must first remove the existing legacy pedestals. This chapter provides detailed instructions for removing the following legacy pedestals:

- QS2000 (EAS) - See “Removing QS2000 Pedestals” on page 2-2.
- Strata PX (EAS) - See “Removing Strata PX Pedestals” on page 2-4.
- Liberty PX (EAS) - See “Removing Liberty PX Pedestals” on page 2-6.

Each of these procedures is very straight-forward and can be accomplished by Checkpoint Technicians. It is estimated that removing a single pedestal would take a Checkpoint Technician approximately 15 minutes. This time can vary.

Removing QS2000 Pedestals

To remove existing QS2000 pedestals, complete the following.

- 1 Checkpoint Technician removes the plastic covering from the QS2000 pedestal.

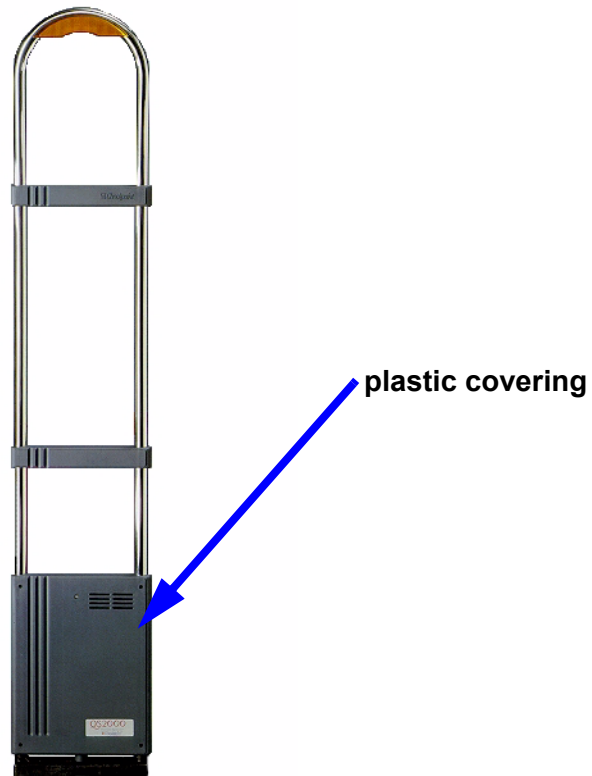


Figure 2.1 QS2000 pedestal.

- 2 Checkpoint Technician unbolts and removes existing QS2000 pedestals.

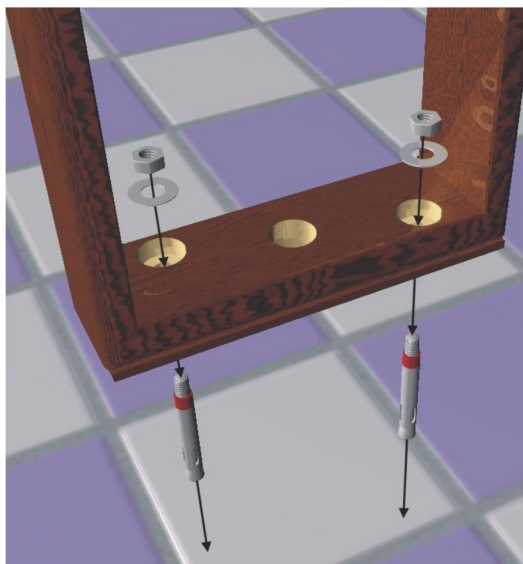


Figure 2.2 The QS2000 pedestal is installed with two **3 inch by 1/2 inch** anchor bolts.

- 3 Checkpoint Technician removes the existing bolt anchors in one of the following ways:
 - Break
 - Cut
 - Pound down
- 4 Since the footprint of all QS pedestals is 12 inches by 3 1/2 inches, the existing bolt anchor holes will need to be filled in because these holes cannot be reused for Liberty UHX installations.

Estimated completion time

Removal of the legacy QS2000 pedestal will take approximately 30 minutes per single pedestal.

Removing bumper posts

QS2000 pedestal may have a bumper post installed on either side of the pedestal to protect the pedestal from damage. These bumper posts should be removed and the post holes filled in with concrete. Instead of bumper posts, the new Liberty UHX pedestals are installed on top of metal risers. The riser elevates the base of the Liberty UHX pedestal off of the floor to protect it from being damaged.

To remove the existing bumper posts:

- 1 Checkpoint contractors remove flooring.
- 2 Checkpoint contractors remove both bumper posts.
- 3 Checkpoint contractors fill in bumper post holes with concrete.

Estimated completion time

Removal of each bumper post will take approximately 15 minutes plus time for concrete. This can vary by Checkpoint contractor.

Removing Strata PX Pedestals

To remove existing Strata PX pedestals, complete the following.

- 1 Checkpoint Technician removes the plastic covering from the Strata PX pedestal.

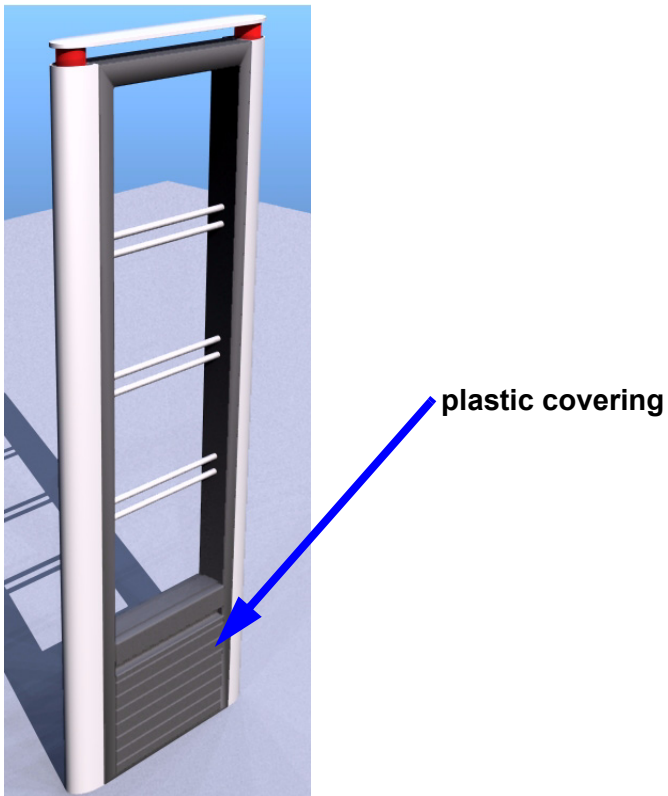


Figure 2.3 Strata PX pedestal.

- 2 Checkpoint Technician unbolts and removes existing Strata PX pedestals.



Figure 2.4 The Strata PX pedestal installed with two **3 inch** by **1/2 inch** anchor bolts.

Estimated completion time

Removal of legacy Strata PX pedestal will take approximately 15 minutes per single pedestal.

Removing bumper posts

Strata PX pedestal may have a bumper post installed on either side of the pedestal to protect the pedestal from damage. These bumper posts should be removed and the post holes filled in with concrete. Instead of bumper posts, the new Liberty UHX pedestals are installed on top of metal risers. The riser elevates the base of the Liberty UHX pedestal off of the floor to protect it from being damaged.

To remove the existing bumper posts:

- 1** Checkpoint contractors remove flooring.
- 2** Checkpoint contractors remove both bumper posts.
- 3** Checkpoint contractors fill in bumper post holes with concrete.

Estimated completion time

Removal of each bumper post will take approximately 15 minutes plus time for concrete. This can vary by Checkpoint contractor.

Removing Liberty PX Pedestals

To remove existing Liberty PX pedestals, complete the following.

- 1 Checkpoint Technician removes the plastic covering from the Liberty PX pedestal.

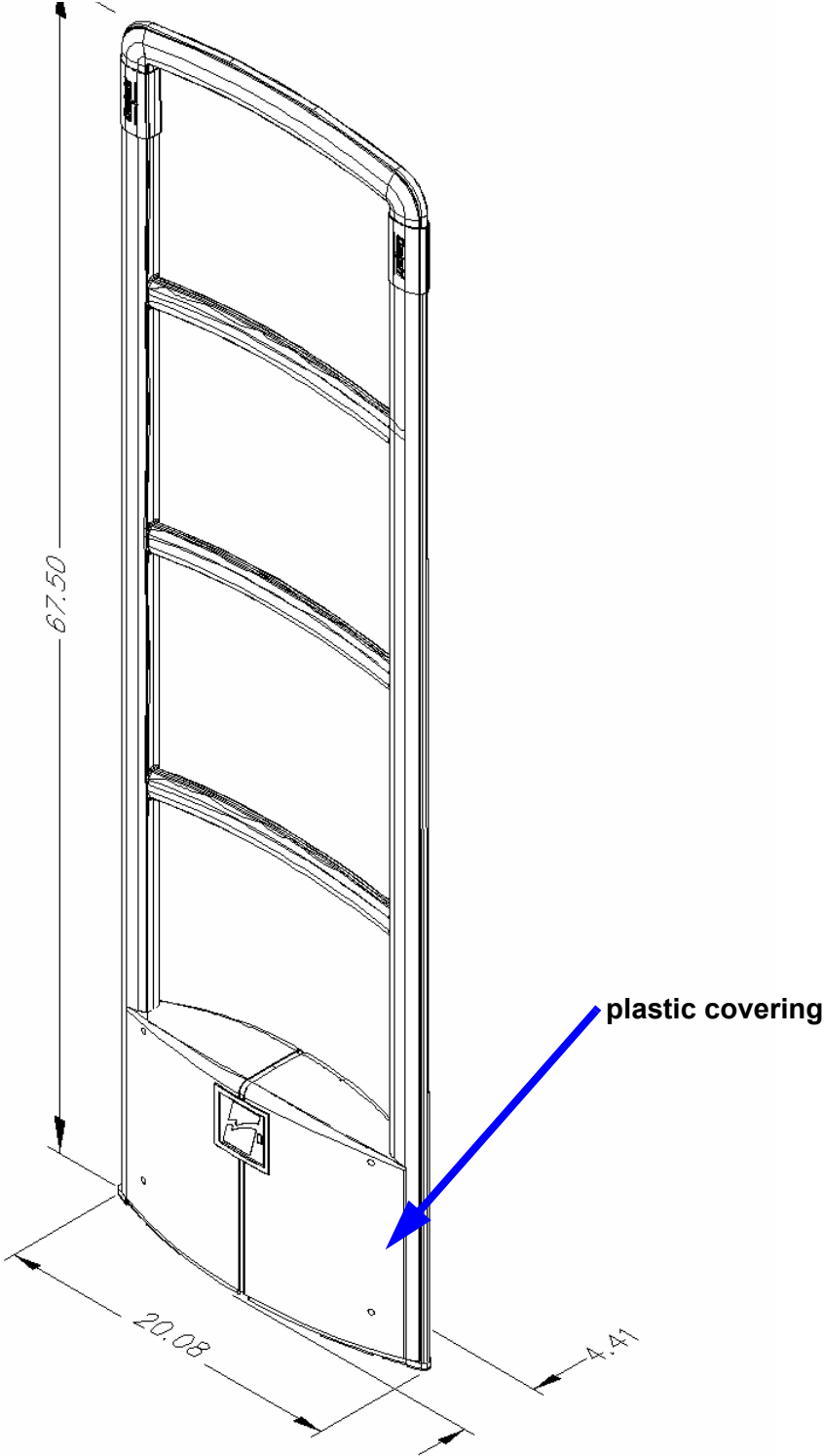


Figure 2.5 Liberty PX pedestal

2 Checkpoint Technician unbolts and removes existing Liberty PX pedestals.

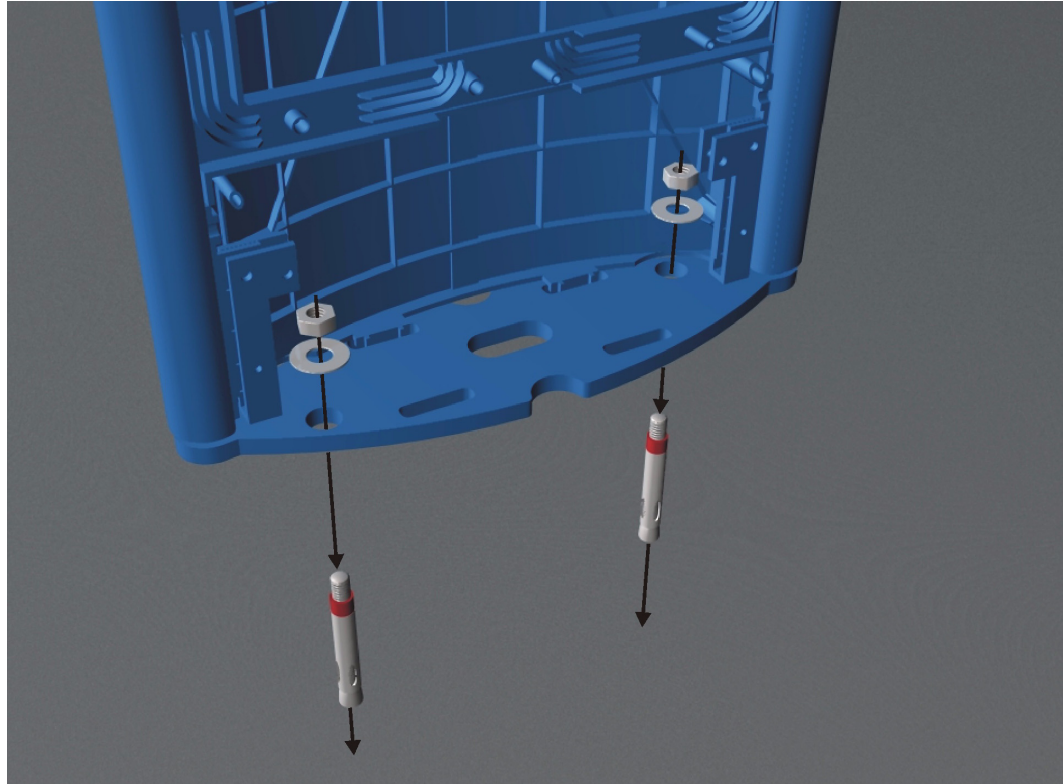


Figure 2.6 Liberty PX pedestal is installed with two **3 inch** by **1/2 inch** anchor bolts.

Estimated completion time

Removal of legacy Liberty PX pedestal will take approximately 15 minutes per single pedestal.

Notes

INSTALLING LIBERTY UHX PEDESTALS

Once the legacy pedestals are removed, you are ready to install the new Liberty UHX pedestals.

The installation of the new Liberty UHX pedestal includes the following:

- Cutting a new wiring channel
- Running the electrical and network wiring
- Installing the new Liberty UHX pedestal



Placement of the Liberty UHX pedestals coincides with normal placement of the Liberty PX pedestals.

Cutting new wiring channel

- ▶ Checkpoint contractors will cut floor trench in the center of existing EAS pedestal infrastructure and back fill trench upon completion of wire installations.

Estimated completion time

The cutting of a 35-foot floor channel will take approximately 60 minutes. This can vary by Checkpoint contractor.

Electrical and Network Wiring

For the new Liberty UHX pedestal the following wiring is required:

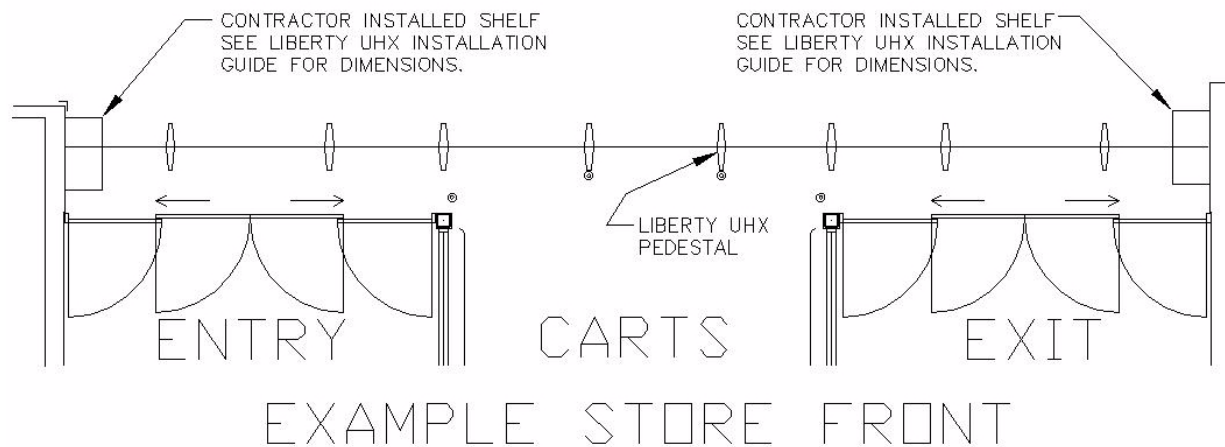
- Electrical - 1 gauge wire (shielded). 1 wire required per pedestal.
- Network - CAT 5 or 5e cable (un-shielded twisted pairs). 1 cable required per pedestal.

To complete the network and electrical installation and wiring,

- 1** Checkpoint contractor installs one or two additional shelves in the ceiling on one side of the entry way or attaches the 3 power supplies directly to the studded wall.
 - Each shelf must support two (2) power supplies along with all required controls.
 - Each shelf must support 1 network access point.
 - Six (6) power supplies are required for a six (6) pedestal installation. Each supply powers a single pedestal.
- 2** Checkpoint contractor ensures that the power supplies are within AC power cord range (4 feet) of the outlet box.



A licensed electrician may be required for this part of the installation. Please consult local building codes to determine if a licensed electrician is required.



Wiring for front entrance

The network and electrical wiring for all six pedestals originate from the power supply and network access point installed in the ceiling above side of the entry way on the studded wall.

The power cabled are shipped in standard 100' lengths with connectors attached to one end. The other end of the power cable will have connectors added at the site. The power supply also ships with the connector attached.

The following tasks should be completed by Target IT staff prior to the start of the installation by Checkpoint Technicians.

- 1 Target Technician runs CAT 5 cables from the homerun area and terminates at the power supply with appropriate length.
- 2 Target Technician installs router and network connection near both shelves.

The following tasks are completed on the installation date by a Checkpoint Technician and a Checkpoint contractor.

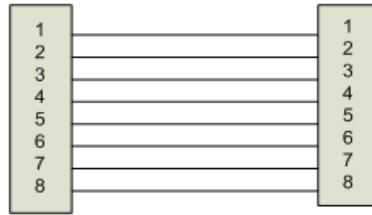
- 1 Checkpoint contractor runs CAT 5e network cable into a 0.5" PVC conduit to run from power supply to floor.
- 2 Checkpoint Technician inserts wiring into 1.00" PVC conduit to run from ceiling to trench. This PVC conduit is recommended, but is not electrically required. The factory installed connector should remain at the portion of the PVC pipe nearer the ceiling. Fish the rest of the cable through the PVC pipe towards the floor.
- 3 Checkpoint contractor installs walker duct in trench.
- 4 Checkpoint Technician runs the necessary power cable through the walker duct to the junction boxes at the foot of each pedestal.
- 5 Checkpoint Technician crimps the wires into a connector.
- 6 Checkpoint Technician runs the CAT 5e cables through the walker duct to junction boxes at the foot of each pedestal.
- 7 Plug the factory installed connector into the power supply.

The following tasks must be completed by Target IT staff after the trench has been cut and the CAT 5 cable run in the walker duct by the Checkpoint Technician.

- 1 Target Technician crimps the wires into an RJ-45 surface mount jack.
 - Pins 1 and 2 - orange pair - white, orange, white
 - Pins 3 and 6 - green pair - white, green, white

- Blue pair and brown pair are not used.

**Ethernet Cable Wiring
Diagram**



Color Codes for

Wires:

- 1 white-orange**
- 2 orange**
- 3 white-green**
- 4 blue**
- 5 white-blue**
- 6 green**
- 7 white-brown**
- 8 brown**

Signal Names:

- 1 Transmit Data +**
- 2 Transmit Data -**
- 3 Receive Data +**
- 5 Common**
- 6 Common**
- 7 Receive Data -**
- 8 Common**

- 2 Target Technician tests the CAT 5 cable for network connectivity.
- 3 Checkpoint contractor back-fills floor trench (over top of wiring).

Wiring for employee entrance pedestal

Currently there are 2 antenna pedestals at the employee entrance. These 2 pedestals are replaced by one single Liberty UHX pedestal to be installed near the wall that contains the power supply. The following wiring instructions only apply to one pedestal.

The following tasks should be completed by Target IT staff prior to the start of the installation by Checkpoint Technicians.

- 1 Target Technician runs CAT 5 cables from the homerun area and terminates at the power supply with appropriate length.
- 2 Target Technician installs router and network connection near both shelves.

The following tasks are completed on the installation date by a Checkpoint Technician and a Checkpoint contractor.

- 1 Checkpoint contractor runs CAT 5e network cable into a 0.5” PVC conduit to run from power supply to floor.
- 2 Checkpoint Technician inserts wiring into 1.00" PVC conduit to run from ceiling to floor. This PVC conduit is recommended, but is not electrically required. The factory installed connector should remain at the portion of the PVC pipe nearer the ceiling. Fish the rest of the cable through the PVC pipe towards the floor.
- 3 Checkpoint Technician runs necessary power cable to the junction box at the foot of the pedestal.
- 4 Checkpoint Technician crimps power wires into a connector.
- 5 Checkpoint Technician runs CAT 5e cable to junction boxes at the foot of each pedestal.

6 Plug the factory installed connector into the power supply.

The following tasks must be completed by Target IT staff.

1 Target Technician crimps the wires into an RJ-45 surface mount jack.

- Pins 1 and 2 - orange pair - white, orange, white
- Pins 3 and 6 - green pair - white, green, white
- Blue pair and brown pair are not used.

2 Target Technician tests the CAT 5 cable for network connectivity.

Estimated completion time

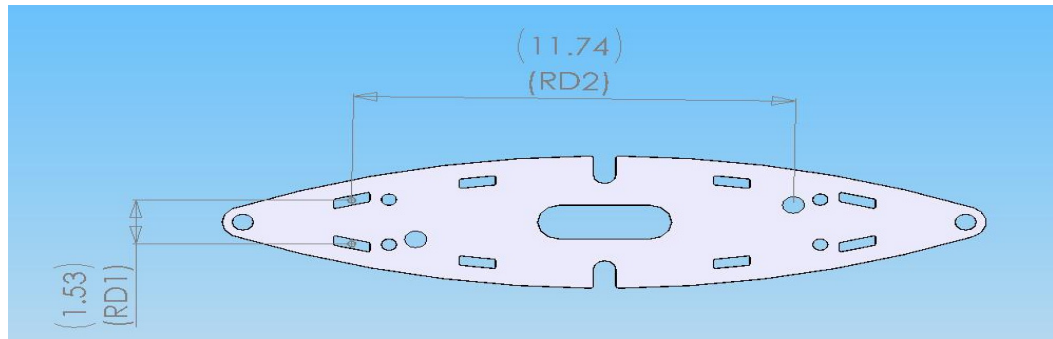
Conduit preparation will take approximately 120 minutes. This can vary by Checkpoint contractor.

Installing the pedestal



Once the wiring is completed, you are ready to install the actual Liberty UHX pedestal. New anchor bolt holes are only required if the legacy pedestals are QS2000s. The bolt locations for the QS2000 were closer together than those of the Strata PX and Liberty PX. Since the bolt hole locations for the Strata PX and Liberty PX are identical to those of the Liberty UHX, the existing bolts can be reused.

- 1 For replacement of QS2000 pedestals only, Checkpoint Technician drills new holes and installs anchor bolts.



- 2 If larger raised base plates are used, cut the floor mats or existing flooring material to accommodate the larger raised base plates (Checkpoint contractor).

In certain instances, longer and wider raised base plates are required. This varies by store location.

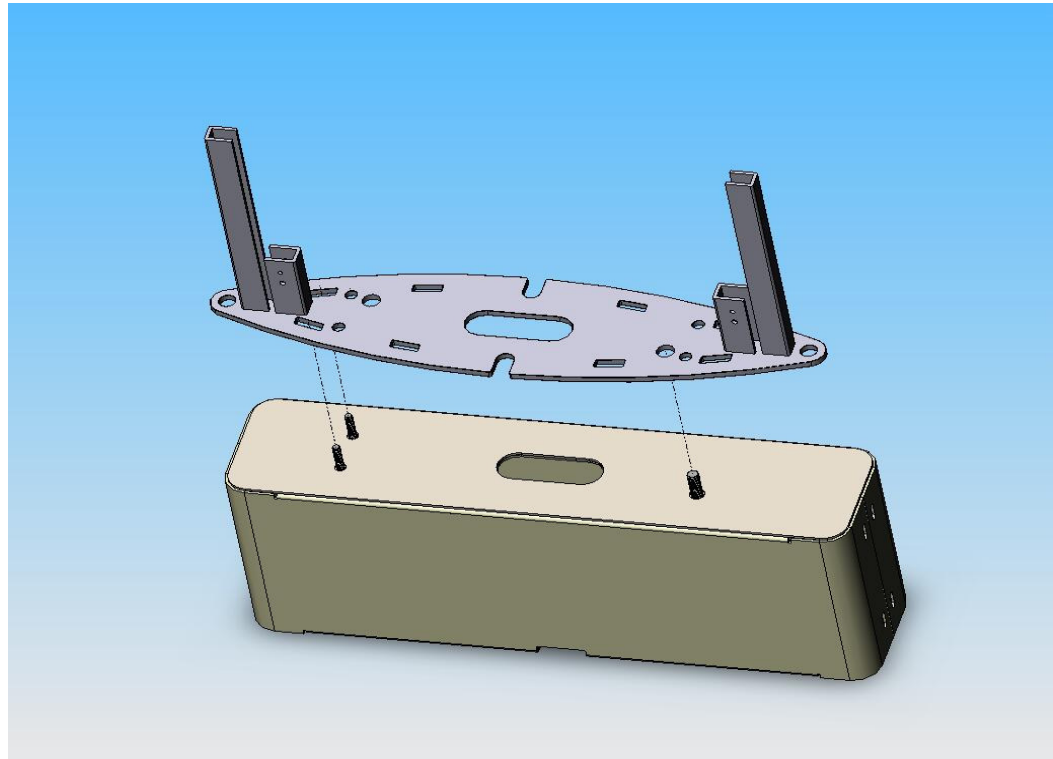
- 3 Checkpoint contractor repairs flooring.



It may be necessary to install new flooring or replacement mats due to cuts and holes (from the previous pedestals).

- 4 Checkpoint Technician bolts down the raised base plate assembly to the previously installed anchor bolts.

- 5 Checkpoint Technician bolts down Liberty UHX pedestals to the raised base plate assembly.



- 6 Checkpoint Technician connects the power to the Liberty UHX pedestal.
- 7 Checkpoint Technician connects the network cable to the Liberty UHX pedestal.
- 8 Checkpoint Technician configures, tunes and tests the Liberty UHX pedestals.

Estimated completion time

Approximate install time for a single pedestal is 60 minutes if new anchor bolt holes need to be drilled. This will be for an upgrade from a QS2000 pedestal. This can vary by Checkpoint contractor.

Approximate install time for a single pedestal is 30 minutes if an upgrade from Liberty PX or Strata PX that does not include drilling new bolt holes. In most instances, this type of upgrade will not include drilling new bolt holes. This can vary by Checkpoint contractor.

NOTES

LIBERTY UHX INSTALLATION CHECKLIST

A site survey will be conducted by a team composed of both customer and Checkpoint personnel. Once a site survey is reviewed by both parties, Checkpoint will detail store specific information in a customer-specific version of the sample Installation Checklist shown below.

Installation Checklist

General Information

- _____ and Checkpoint will collaborate on upgrading existing EAS installed Target Stores to Liberty UHX with Riser Baseplates.
- The installation start time will be ____ PM for both Checkpoint and _____.
- Store hours may vary; work will begin at the Store Manager's discretion. Speaking to the Store Manager prior to the installation time is recommended.
- If the Checkpoint contractors are not onsite by ____ PM, the Checkpoint Technician should contact _____'s POC (Point Of Contact).
- If Checkpoint is not onsite by ____ PM, the Checkpoint contractor should contact the Onsite Project Coordinator.

Project Management/Marketing Scope

- Door layouts are reviewed to verify project deliverables.
- Checkpoint personnel will be responsible for ensuring that all local building codes are met.
- Checkpoint personnel will remind Target to buy replacement mats (if necessary) and to ensure they are delivered in time for the upgrade of existing pedestals.
- Checkpoint personnel will work with Target to determine which riser baseplate is best suited for this store location.
- As a precautionary measure, Checkpoint personnel will carry a 15 by 10 foot mat to all installations.

Checkpoint Contractor Scope

- The Checkpoint contractor is responsible for the removal of any Alvarado protective posts that are currently installed for the purpose of protecting the existing EAS pedestals.
 - Removing Alvarado posts usually requires that the posts are cut to floor level.
- The Checkpoint contractor installs walker duct and power supply boxes.
 - Optional one or two additional shelves in the ceiling on one side of the entry way can be built or Checkpoint contractor can attach the 3 power supplies directly to the studded wall.
- The Checkpoint contractor runs the CAT 5 network cable from the power supply to the floor.
- The Checkpoint contractor is responsible for performing floor cuts, as specified by the Checkpoint Technician.
- The Checkpoint contractor is responsible for back filling all floor cuts after all necessary wiring has been installed by Checkpoint.
- When performing floor cuts on ceramic tiled floors, cuts should only be made within existing grout lines.
- Any specific instruction regarding mats, carpets, tiles, and any other special flooring consideration will come from Target. (_____)
- The Checkpoint contractor should be prepared to replace VCT tiles in certain stores. The tiles will be provided by Target.

Checkpoint Technical Scope

- Checkpoint Technician removes all legacy pedestals and related equipment.
- Checkpoint Technician is responsible for inserting wiring into 1.00" PVC conduit (recommended) to run from ceiling to trench. Factory installed connector should remain at the portion of the PVC pipe nearer the ceiling.
- Ensures that both the Cat 5 cable and power wiring is run in the walker duct from base of stud wall to bottom of each pedestal.
- Checkpoint Technician crimps the wires into a connector.

- Once network connectivity is confirmed by Target, Checkpoint Technician connects Cat 5 cable and power connection to pedestals.
- All Liberty UHX antennas are installed, configured and tested for full EAS functionality by the Checkpoint Technician prior to store opening.
 - Once EAS functionality of the antennas is confirmed, the Liberty UHX pedestals will be configured and tuned for full UHF functionality.
- Checkpoint Technician ensures that completed checklist is faxed to Onsite Project Coordinator and leaves a voice mail message for the Installation Scheduler, Onsite Project Coordinator, Account Representative and the Project Manager.

Target Technical Scope

- Target is responsible for obtaining replacement mat prior to installation.
- Target IT staff must install router and network connections prior to the start of the installation by Checkpoint technicians.
- Target IT staff is responsible for running Cat 5 network cable and terminating at the power supply, installing connectors on the network cable and testing network connectivity.

System Removal

- Do not remove any systems until the following conditions have been met:
 - 1 The intended Checkpoint shipment is verified.
 - 2 All Checkpoint contractors are present or accounted for, to include the individual responsible for performing floor cuts, and the flooring contractor.
 - 3 The intended layout is assessed and shown to the Target store manager or person in charge.
 - 4 Ensure that any new mats do not interfere with the motion of in-swinging doors.
- All removed equipment will be placed in a dumpster or compactor (ask the store manager or person in charge).

System Installation

- Reference the appropriate configuration drawing later in this document. Each drawing lists the relative store numbers.
- Systems should not exceed 72" on center.
- If there are layout issues, the store manager or person in charge should be consulted and given options first. If a decision is not reached then the Onsite Project Coordinator should be contacted, and then the Target Project Manager.

Follow up Procedures

- Ensure that the installation checklist is filled out and initialed by Checkpoint, the Checkpoint contractor, and the onsite Target representative. The checklist should be faxed to the Onsite Project Coordinator.
- At the completion of the installation, a voice mail message must be left for the **Installation Scheduler, Onsite Project Coordinator, Account Representative, and the Project Manager.**

Table 4.1 Project contact information

Title	Name	Office	Ext.	Cell	Pager
Account Scheduler					
Onsite Project Coordinator					
[Customer Name] Project Manager					
[Checkpoint Contractor Name] Point of Contact					
Account Manager					
Project Manager					

Table 4.2 Door installation checklist

Item #	Door Designation (i.e., North Door)	No? Explain Below	Customer Initials	Checkpoint Initials	Checkpoint Contractor Initials
A	New layout agreed upon?				
B	Replacement mat acquired? (if necessary)				
C	Existing pedestals removed and disposed of?				
D	Old drill holes repaired? (if necessary)				
E	Floor mats removed?				
F	Alvarado posts removed and disposed of?				
G	Alvarado bumper post holes filled in? (if necessary)				
H	New floor channel cut?				
I	Walker duct and power supply boxes installed?				
J	Power run from ceiling to floor?				
K	Power run through walker duct to pedestal riser?				
L	Power wires crimped and connectors installed?				
M	CAT 5 cable run and terminated at pedestal riser?				
N	CAT 5 cable crimped and connectors installed?				
O	Floor cut filled in?				
P	Floor covering repaired/installed/replaced?				
Q	Work area is clean and ready for store opening?				
R	Pedestals tested and properly functioning for EAS?				
S	Pedestals tested and properly functioning for UHF?				

Table 4.2 Door installation checklist

Item #	Door Designation (i.e., North Door)	No? Explain Below	Customer Initials	Checkpoint Initials	Checkpoint Contractor Initials
Explanation of negative responses or further comments					

Table 4.3 Door installation checklist

Item #	Door Designation (i.e., North Door)	No? Explain Below	Customer Initials	Checkpoint Initials	Checkpoint Contractor Initials
A	New layout agreed upon?				
B	Replacement mat acquired, if necessary				
C	Existing pedestals removed and disposed of?				
D	Old drill holes repaired? (if necessary)				
E	Floor mats removed?				
F	Alvarado posts removed and disposed of?				
G	Alvarado bumper post holes filled in? (if necessary)				
H	New floor channel cut?				
I	Walker duct and power supply boxes installed?				
J	Power ran from ceiling to floor?				
K	Power ran from walker duct to pedestal riser?				
L	Wires crimped and power connectors installed?				
M	Cat 5 cable ran and terminated at pedestal riser?				
N	Floor cut caulked and/grouted?				
O	Floor covering repaired/installed/replaced?				
P	Work area is clean and ready for store opening?				
Q	Pedestals tested and properly functioning for EAS?				
R	Pedestals tested and properly functioning for UHF?				
Explanation of negative responses or further comments					

Table 4.4 Door installation checklist

Item #	Door Designation (i.e., North Door)	No? Explain Below	Customer Initials	Checkpoint Initials	Checkpoint Contractor Initials
A	New layout agreed upon?				
B	Replacement mat acquired, if necessary				
C	Existing pedestals removed and disposed of?				
D	Old drill holes repaired? (if necessary)				
E	Floor mats removed?				
F	Alvarado posts removed and disposed of?				
G	Alvarado bumper post holes filled in? (if necessary)				
H	New floor channel cut?				
I	Walker duct and power supply boxes installed?				
J	Power ran from ceiling to floor?				
K	Power ran from walker duct to pedestal riser?				
L	Wires crimped and power connectors installed?				
M	Cat 5 cable ran and terminated at pedestal riser?				
N	Floor cut caulked and/grouted?				
O	Floor covering repaired/installed/replaced?				
P	Work area is clean and ready for store opening?				
Q	Pedestals tested and properly functioning for EAS?				
R	Pedestals tested and properly functioning for UHF?				
Explanation of negative responses or further comments					

Table 4.5 Project Signoff Sheet

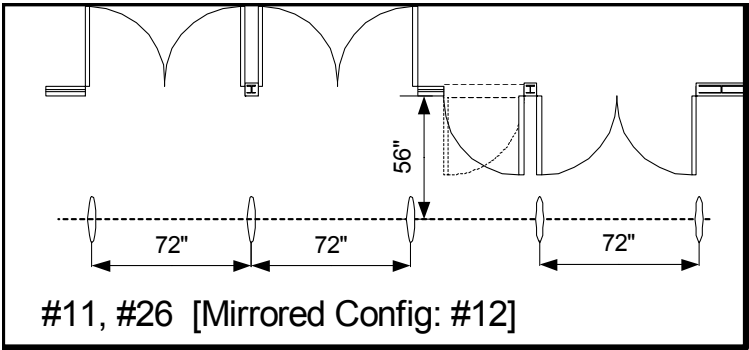
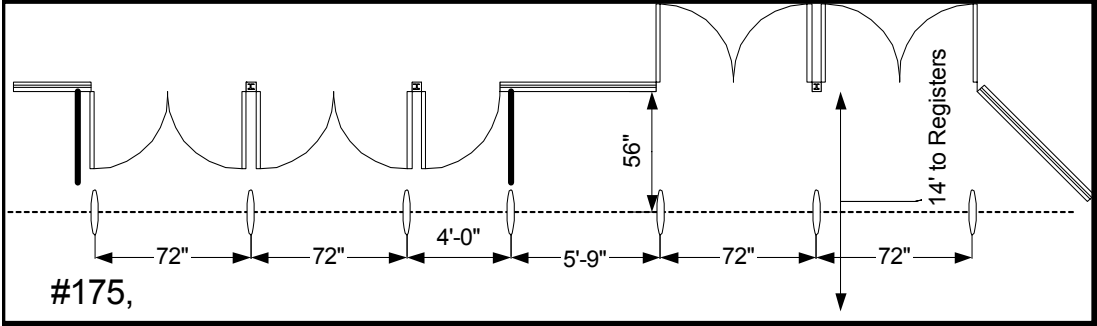
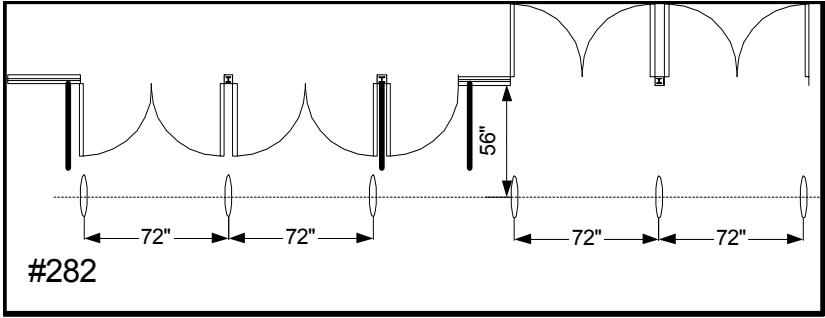
Representative	Name (Print)	Signature
Target		
Checkpoint		
Checkpoint Contractor		

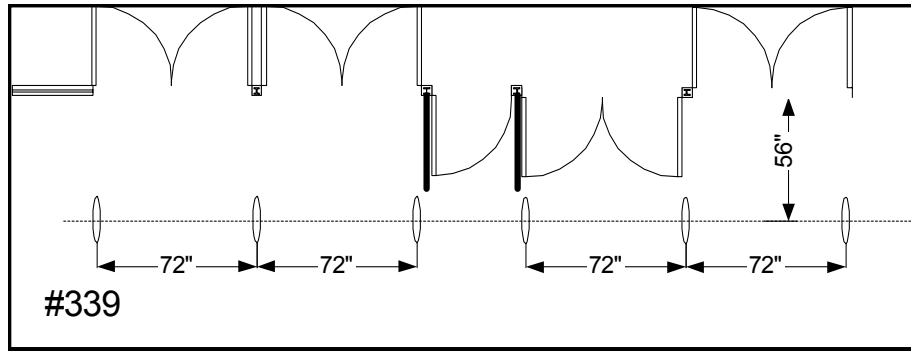
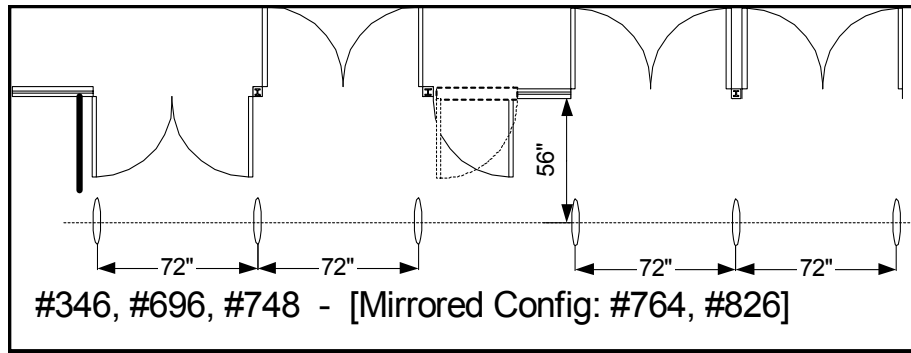
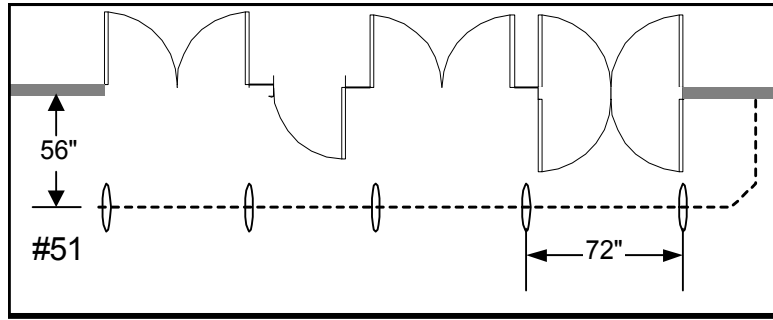
Table 4.6 Store specific information

Store #		City:		State:		Date:	
---------	--	-------	--	--------	--	-------	--

***Please Fax completed checklist to _____ at _____.

Sample Door Layouts





LIBERTY UHX AR-400 SETUP INSTRUCTIONS

The Liberty UHX AR-400 is configured via the configuration computer after installation of the Liberty UHX pedestals.

Equipment

- Configuration computer, functional and powered
- Cat5 Cable, 3 ft. or longer
- Liberty UHX Pedestal
- Power Supply, Checkpoint Part No. 7375784
- Power Cord, Checkpoint Part No. 623532

Post-Installation Procedure

- 1 Connect the Cat5 cable to AR-400 Ethernet port (using the access door).
- 2 Connect the opposite end of the Cat5 cable to the configuration computers Ethernet port.
- 3 Power-up the computer.
- 4 Change the IP address of the configuration computer to 192.168.0.1.
- 5 Change the Subnet Mask of the configuration computer to 255.255.0.0.
- 6 Open Internet Explorer and type HTTP://192.168.127.254 in the address box and then press Enter.

You see the Reader Administrator Console screen.

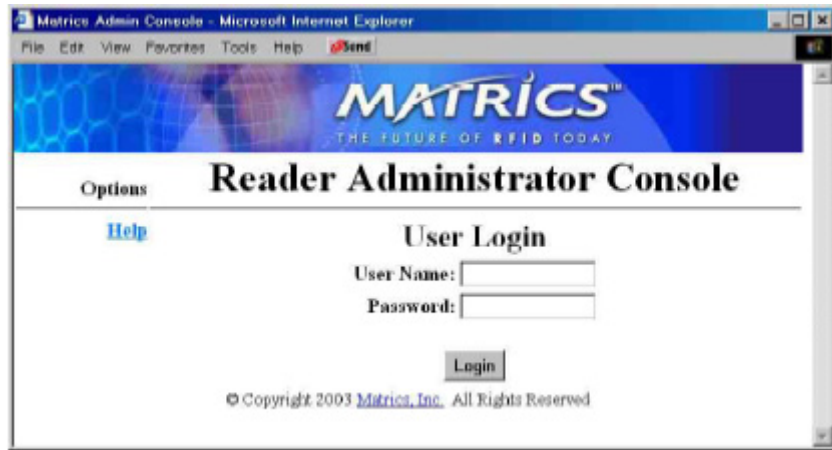


Figure 5.1 User Login screen of the Reader Administrator Console

- 7 Next to User Name:, type in the **admin**.
- 8 Next to Password, type in the **admin**.
- 9 Click **Login**.

OR

Press **Enter**.

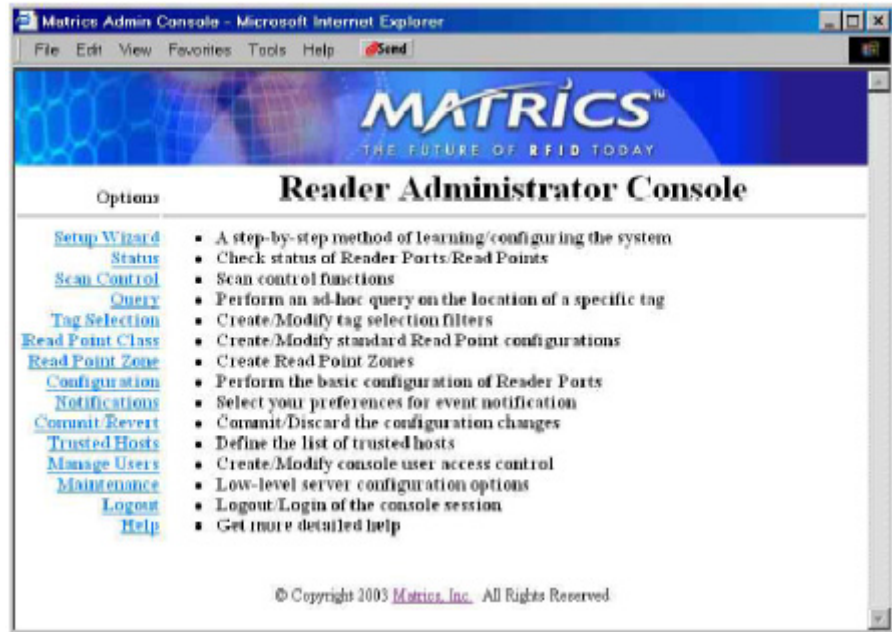


Figure 5.2 Reader Administrator Console screen

10 Click the **Maintenance** link on the left hand navigation bar.

You see the Reader Maintenance Console screen.

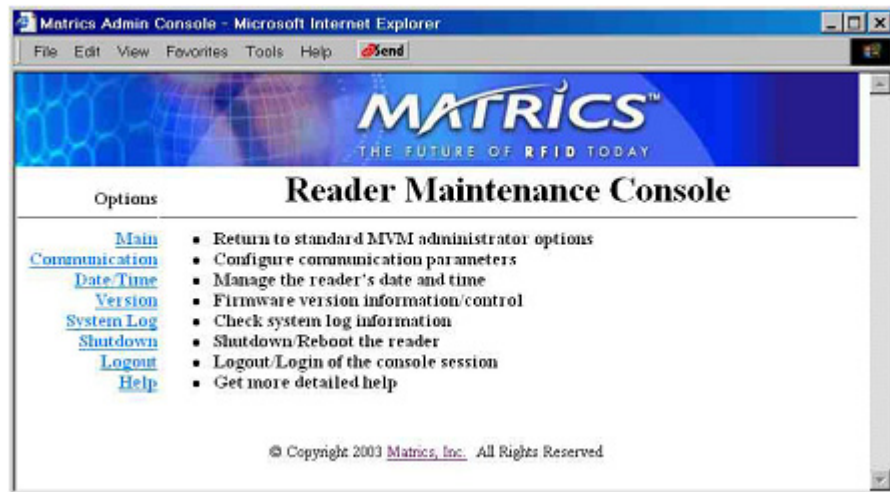


Figure 5.3 Reader Maintenance Console screen

11 Click the **Communication** link on the left hand navigation bar.

You see the Communication Configurations screen.

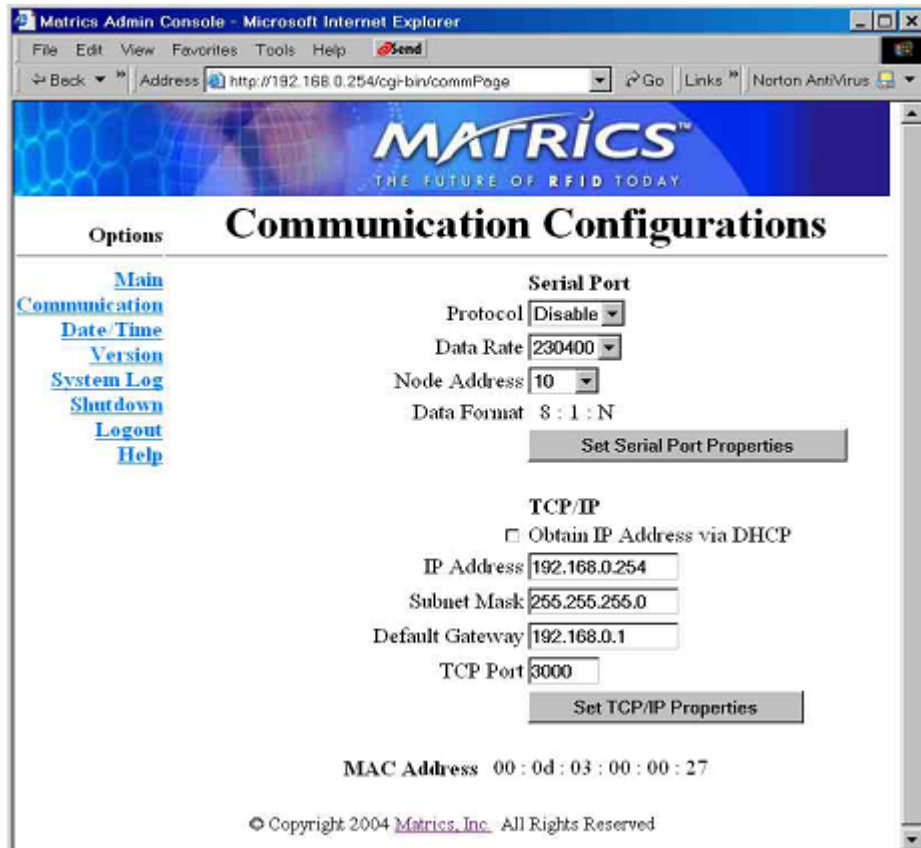


Figure 5.4 Communication Configurations screen

- 12 Change the **IP address** to the specified IP address.
- 13 Change the **Subnet Mask** to the specified Subnet Mask.
- 14 Change the **Default Gateway** to the specified Default Gateway.
- 15 Click **Set TCP/IP Properties**.
- 16 Click the **Main** link on the left hand navigation bar.
- 17 Click the **Commit/Revert** link.
- 18 Click **Commit**.
- 19 Click the **Logout** link.
- 20 Power cycle the AR-400.
- 21 Verify the IP address change by opening Internet Explorer.
- 22 Type the specified IP address in the address box (HTTP://xxx.xxx.xxx.xxx) and then press enter.

The following screen should appear.



Figure 5.5 User Login screen

- 23 Close Internet Explorer.
- 24 Unplug the cat-5 cable from the AR-400.
- 25 Close the access door.

Verification of Power Settings

To verify the power settings, complete the following:

- 1 Click the **Read Point Class** link on the left hand navigation bar.
- 2 Select **Area** (from class list on the right hand side).
- 3 Click **Select Class**.
- 4 Verify **Gain** is set to 50%.
- 5 Verify **Retry** is set to 1.
- 6 Verify **Air Protocol** is set to ALL.

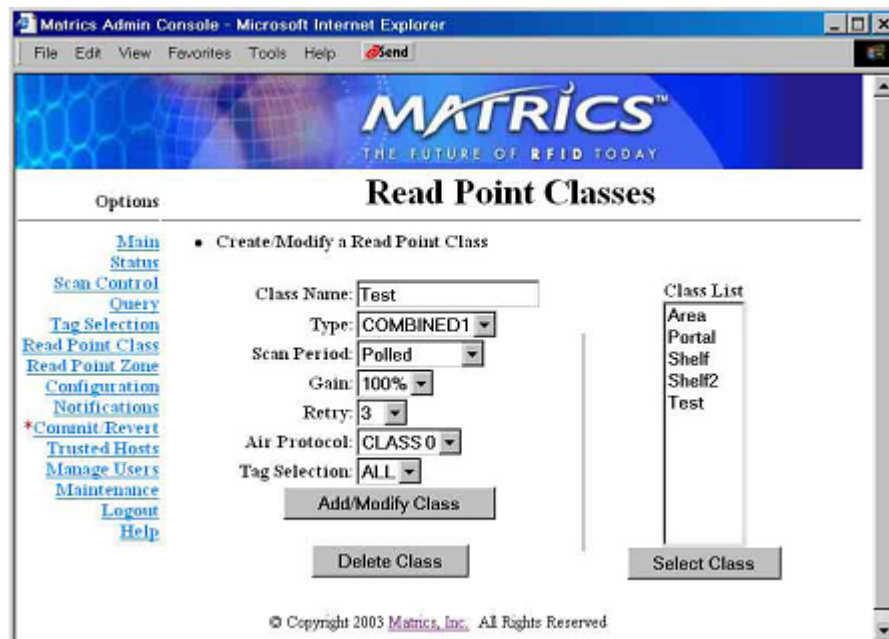


Figure 5.6 Read Point Classes screen



A Gain setting of 50% corresponds to a setting of 2567 in the ART (Advanced Reader Test console) program contained in the reader.

Notes