



Linking/Deleting Instructions

for:



DCN:	DOC-WaveControllerLink
RELEASE DATE:	Feb 6, 2012



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CHANGE NOTICES

Version	Date	Description	Changes
A	May 25, 2001	Initial Release	

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1.0 Scope

This document provides instructions for Linking WaveReaders to the WaveController as well as Viewing/Deleting WaveReader Names associated with the WaveController

1.1 Linking

Follow Section 3 followed by Section 4

1.2 View/Delete

Follow Section 3 Followed by Section 5

1.3 High-Rise Location In a High-Rise Location Follow the Steps in Section 6

2.0 Keypad Layout



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3.0 Entering Configuration Mode

Upon Power-Up the WaveController will display a Startup Screen. Typically, the WaveController will be at the Status Screen as its Home Screen.

3.1 Startup Screen

Startup Screen
WaveRider Sys
2.0b 05-24-11
W00003
PN:2425 LC:155

This screen will show up at Power-Up and will change to the Status Screen once an IP Address is obtained.

It will display the Software Revision/Revision Date, the WaveController ID Name, Zigbee PAN, and Location ID.

If the WaveController is already ON and has been communicating, this screen will not be seen. It will be at the Status Screen.

3.2 Status Screen (Home)

Status Screen						
IP: Connected						
XB: Idle						
HP: Idle						
SH: Idle						

The Status Screen is the Home Screen. It displays the following communication traffic:

- IP Connected if has a Valid IP Address
- XB Zigbee Message Traffic
- HP Heartland Exchange Traffic
- SH Heartland Status Host Traffic



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3.3 PIN Screen



You must enter the PIN number to access most functions. If you do not remember your PIN #, call **1-800-332-4835**, then **Press 2**.



When numbers are pressed, * is displayed.



Note: Future Release will have a Configurable PIN code via setup webpage.

Entering Correct PIN will display the Selection Screen 1

3.4 Selection Screens

The available options can be viewed on the selection screens. Linking and Deleting use the Selection 2 Screen.



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3.5 Additional Notes

- After entering correct PIN, the WaveController is in Configuration mode.
- When in Configuration mode, all WaveReaders will connect to the WaveController. When the WaveReader has connected to the WaveController, the screen of the WaveReader should show its setup information with the Zigbee PAN and Zigbee Address.
- If the WaveReader has not joined the WaveController's Zigbee PAN, the WaveReader display will scroll through 2425, 2426, 2427, 2428, 2429, 242A, 242B, and 242C.
- The WaveReader will look as follows:



- In the screen menus, use the CLR **Button** to go back to a previous screen.
- To exit Configuration Mode, continue to Press CLR until the Status Screen (Section 3.2) is displayed again.

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4.0 Linking a WaveReader to the WaveController

The following steps will Link a WaveReader to the WaveController.

NOTE: The example screens show a Machine Names as "001",002", "003" and "004" and Zigbee Addresses as "12AB" and "74CD". Actual Machine Names and Zigbee Address will vary upon installation.

Step	1:	Go	to	Selecti	ion 2	Screen	to	select	Configure	ZB
		~ ~								



Step 2: Select Zigbee Address to Link



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Step 3: Select Name to Link to Zigbee Address



Step 4: Save Link

Save/Cancel Zigbee Link Screen	• The Zigbee Address along with the Machine Name is displayed on the top of the screen
12AB 001 2)Save	• To Save the Link, Press the 2
3)Cancel Link	Button
	• To Cancel the Link, Press the Button
	• It will return to the Configure Zigbee

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		Screen	
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Step 5: Restart Step 2 until all Zigbee Address have been linked up

Step 6	: Save	All Z	igbee	Address	
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Configure Zigbee Screen Configure ZB 1) ZB: Empty[0] 2) Next ZB 3) Save All	<ul> <li>Be sure the Configure Zigbee Screen is viewed</li> <li>After linking all the WaveReaders, Press the 3Button to save all the links into memory.</li> </ul>
	• NOTE: Failure to Save All will result with the WaveReaders not Connecting to the WaveController upon Power-up

# Step 7: Exit out of Configuration Mode.

Status Screen IP: Connected XB: Idle HP: Idle SH: Idle	<ul> <li>When complete, continue to Press the CLR Button to return to the Status Screen. This will exit Configuration Mode</li> <li>Now when the WaveController responds to the WaveReaders, the WaveReaders will display Insert Card. This may take several minutes before the WaveReader attempts to communicate to the WaveController.</li> </ul>
	communicate to the WaveController.

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# 5.0 View/Delete Reader Names and Zigbee Links

The following steps will show how to View/Delete links between a WaveReader and a WaveController.

**NOTE**: The example screens shows Machine Names as "001",002", "003" and "004" and a Zigbee Address as "12AB". Actual Machine Names and Zigbee Address will vary upon installation.

#### Step 1: Go to Selection 2 Screen to select Reader Names



#### Step 2: Select the Machine Name you want to View/Delete



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#### **Step 3: View/Delete Machine Information**

Machine Information	• Top of the screen shows the Machine Name and the Zigbee Address associated with it.
1) Get Config 2) Delete Link	<ul> <li>If there is no Zigbee address associated with the name, NO_ZB will appear next to the Reader Name</li> <li>Press the 1Button to get Reader Configuration. Note: Not currently available.</li> <li>Press the 2Button to delete the link between the Machine Name and Zigbee Address.</li> </ul>

# Step 4: Restart Step 2 if more Reader and Zigbee Links will be deleted

#### **Step 5: Save Changes**

Select Machine Name Machine Name 1) ID: 001 2) Next Name 3) Save All	• If a Reader and Zigbee Link has been deleted, save the change by Pressing the Button
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# Step 6: Exit out of Configuration Mode.

Status Screen IP: Connected XB: Idle HP: Idle SH: Idle	<ul> <li>When complete, continue to Press the CLR Button to return to the Status Screen. This will exit Configuration Mode</li> <li>Now when the WaveController responds to the WaveReaders, the WaveReaders will display Insert Card</li> </ul>

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# 6.0 Installation in a High-rise Location

When installing in a High-rise location where the laundry rooms are located above each other, the readers will connect to the WaveController by hopping vertically across adjacent floors. This will only occur when the readers are all part of the same network. While the network is under construction the various WaveReaders will not connect through the building to the WaveController. The configuration method for high-rise apartments is similar to that of a large room except that the operator must configure each floor independent of the one above or below.

To configure a high-rise building perform the following steps.

#### Step 1

Determine the most likely configuration for the WaveController.

Ex:
Floor 5
Floor 4
Floor 3 – WaveController Location
Floor 2
Floor 1

## Step 2

Relocate the WaveController to the first floor and link the WaveReaders corresponding to the first floor. Follow Sections 3 and 4 to Link up the WaveReaders to the WaveController. Remember to SAVE the configuration on each floor.

## Step 3

Repeat the Step 2 on each floor until all of the mapped floors are saved into the WaveController.

## Step 4

Locate the WaveController on the target floor (example 3rd floor)

## Step 5

Bring up the location as you would a large room.

#### Step 6

Repeat the process for all WaveControllers in the high-rise tower.