



# SpotCell™ 111s/112s Quick Installation Guide



[www.spotwave.com](http://www.spotwave.com)

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# For quick installation of SpotCell:

If required, more detailed information on installing a SpotCell system can be found in the User Manual which is also available for downloading at [www.spotwave.com/2003/support/manuals.htm](http://www.spotwave.com/2003/support/manuals.htm).

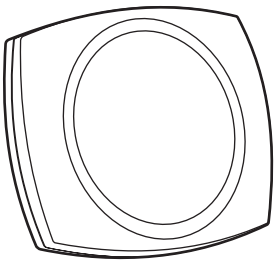
## WARNING

For your safety beware of power lines and ensure that appropriate safety measures are maintained at all times during the installation of the SpotCell 100 equipment. Contact with high-voltage power lines could result in death or serious injury.

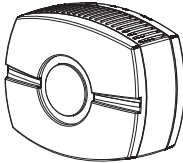
### 1. Parts List

- Donor Unit (DU)
- Cable (80'/25 m)
- Mounting kit
- Coverage Unit (CU)
- Power supply

DU  
(outward-facing unit)



CU  
(indoor unit)

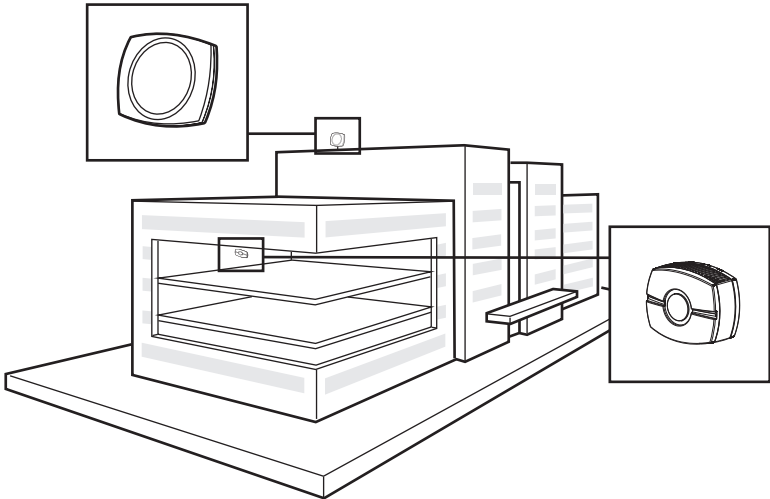


### 2. Location

The DU can be mounted anywhere your cell phone works. This may be on a rooftop (typical rural set-up), on the side of a building, or inside a building (typical downtown set-up). The CU will be mounted inside the building where your cell phone does not work. (The illustration at the right depicts a typical installation.)

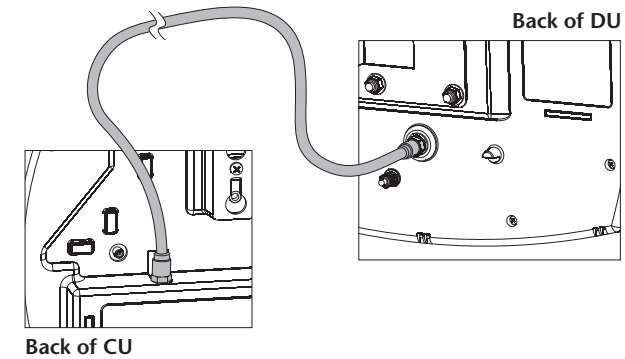
To start the installation, place the DU and CU in the general areas where they are to be located. Do not physically mount them at this time.

Maximum separation between the DU and CU, and back-to-back positioning are optimal when both are mounted indoors.



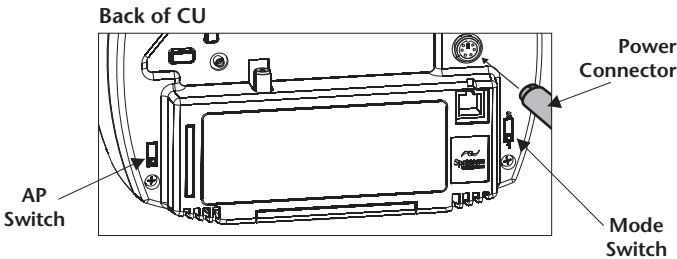
### 3. Connect CU to DU

Connect the CU and DU with the cable provided.



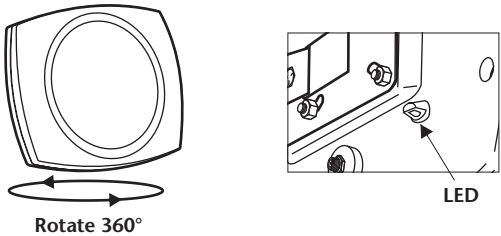
### 4. Set Mode and AP Switch

Set the switch on the bottom of the CU to "1" (install). If only one of the split bands is currently active, then set the AP switch to the active band. If both bands are active, then the AP switch can be in either position for DU alignment. Connect the power supply to the CU, and then plug the adapter into the AC outlet.



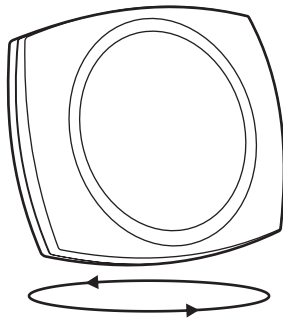
### 5. Align DU - 1st rotation

In the location where the DU is to be mounted, rotate the unit in a complete circle. The LED on the back will turn red or green during the rotation.



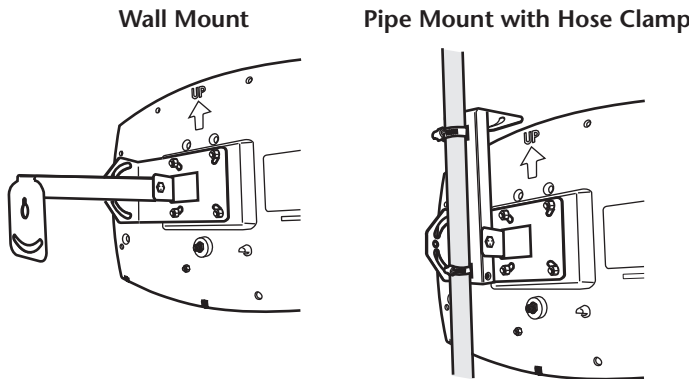
### 6. Align DU - 2nd rotation

Again rotate the DU. When the LED turns green, stop the rotation. This is the direction the DU must face when mounted.



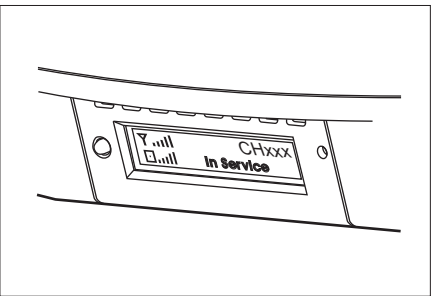
### 7. Mount DU

Now mount the DU. Typical installations are pictured below .



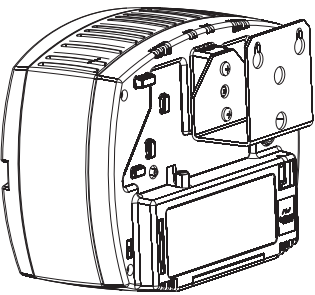
### 8. Set CU to Active

Move the switch on the bottom of the CU to "2" (active). Hold the CU in the location to be mounted. The LCD on the bottom of the CU indicates coverage (▣) by the number of bars; more bars indicate better coverage.



### 9. Mount CU

Mount the CU from a wall or ceiling, close to the center of the area requiring coverage.



### 10. Final Checklist

1. Properly ground the DU via the grounding bolt.
2. Ensure that there is a drip loop on the cable connecting to the DU.
3. Firmly affix the cable to the building where it runs between the DU and CU.