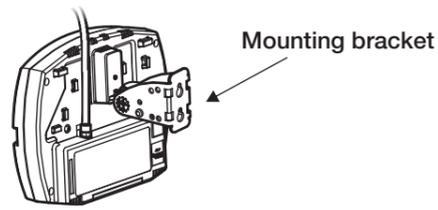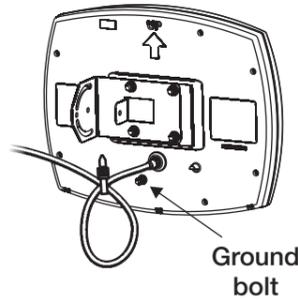## 9. Mount CU

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

Mounting bracket

For a **SpotCell 267** system, connect the extra power supply to the Auxiliary CU, then plug the adapter into an AC outlet.
Repeat step 8 and step 9 for installing the Auxiliary CU.

10. Final Checklist

1. Follow local code requirements for properly grounding the system.

2. If the DU is mounted outdoors, ensure that there is a drip loop on the cable connecting to the DU, on the cables connecting to both sides of the ground block, and where the cable enters the building.

3. Firmly affix the cables to the building where they run between the DU, hub, and CU.

Ground bolt

SPOTWAVE

coverage made simple

SPOTWAVE

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SpotCell® 167/267 for Private Trunked Radio
Quick Installation Guide

www.spotwave.com

Spotwave Wireless Inc. 1 Hines Road, Ottawa ON   K2K 3C7   Canada

780-00059-01-01

To install the SpotCell® system:

If required, more detailed information on installing a SpotCell system can be found in the User Manual which is available for downloading at

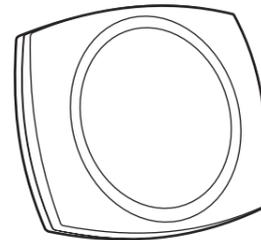**http://www.spotwave.com/support/documentation.**

⚠ WARNING

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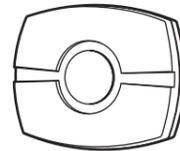
1. Parts List

- Donor Unit (DU)
- Coverage Unit (CU)*
- Cables
- Power supply*
- Mounting kits
- Hub
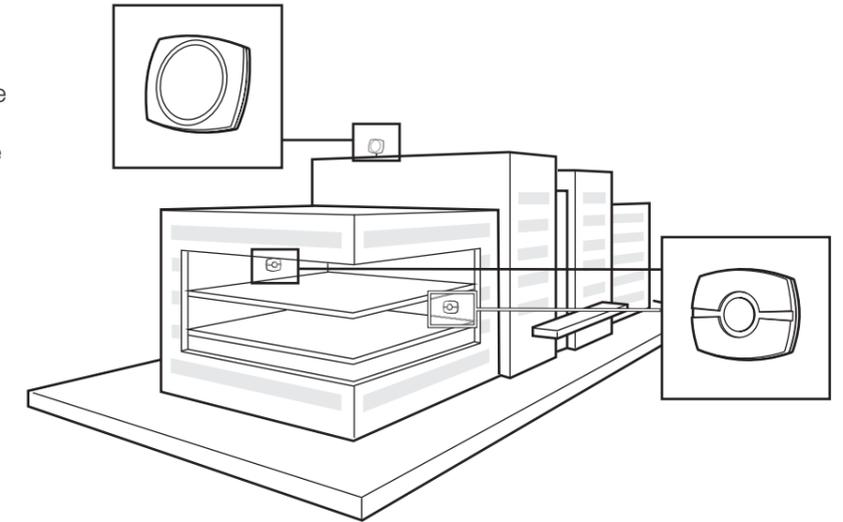
DU
(outward-facing unit)

CU
(indoor unit)

*x2 with SpotCell 267 system

2. Location

The DU can be mounted anywhere your cell phone works. This may be on a rooftop, on the side of a building, or inside a building (typical downtown set-up). The one or two CUs will be mounted inside the building where your cell phone does not work.

To start the installation, place the DU and CUs in the general areas where they are to be located. Do not physically mount them at this time.
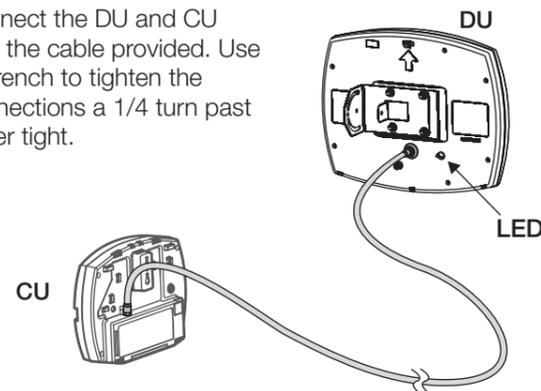
If the DU is mounted indoors, maximum separation between the DU and CUs, and back-to-back positioning will optimize performance.
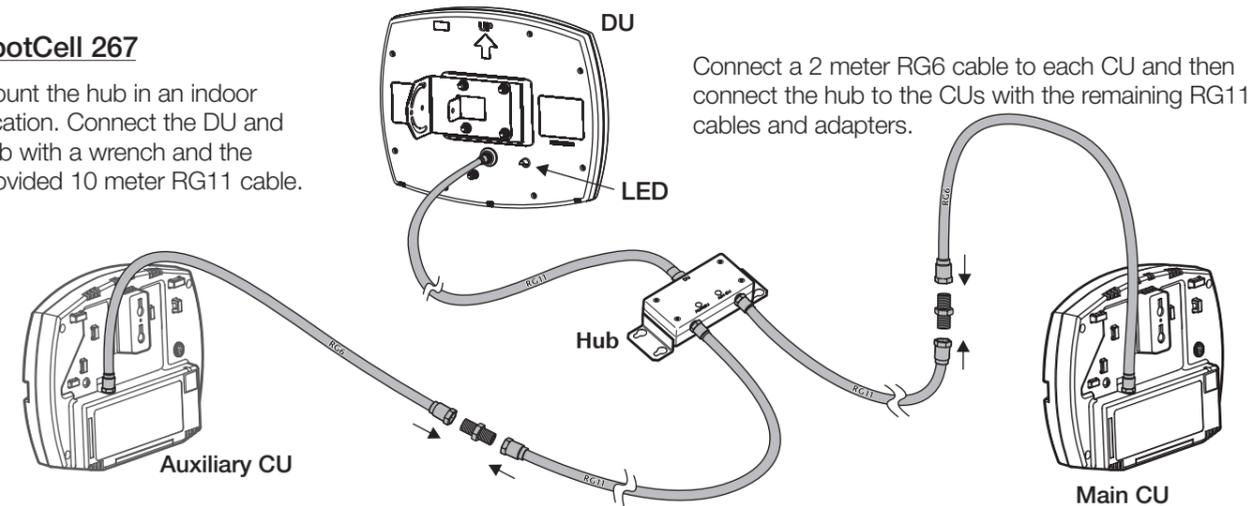
3. Connect the DU and CUs

SpotCell 167

Connect the DU and CU with the cable provided. Use a wrench to tighten the connections a 1/4 turn past finger tight.

DU

LED

CU

SpotCell 267

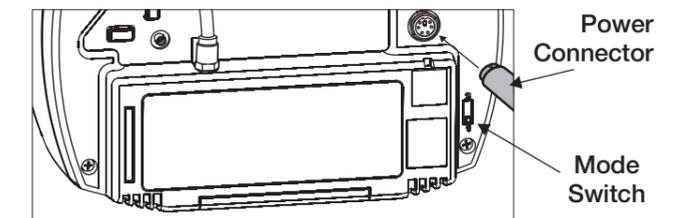Mount the hub in an indoor location. Connect the DU and hub with a wrench and the provided 10 meter RG11 cable.

DU

LED

Connect a 2 meter RG6 cable to each CU and then connect the hub to the CUs with the remaining RG11 cables and adapters.

Hub

Auxiliary CU
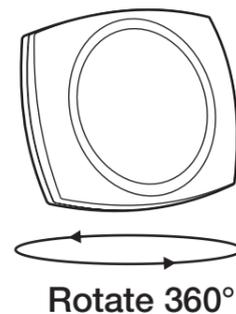
Main CU

4. Set Mode & Connect Power

Set the switch on the bottom of the CU (Main CU of a 267 system) to "1". Connect the power supply to this CU, then plug the adapter into an AC outlet.

Back of Main CU

Power Connector

Mode Switch
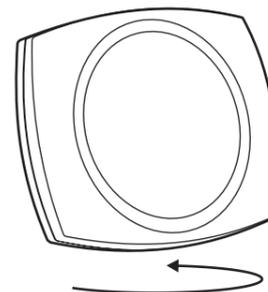
5. Align DU - first rotation

The DU should be mounted in an area where your cell phone works best. In this location, rotate the DU in a complete circle. The flashing LED on the back of the DU will change color (red, yellow, or green) during the rotation.
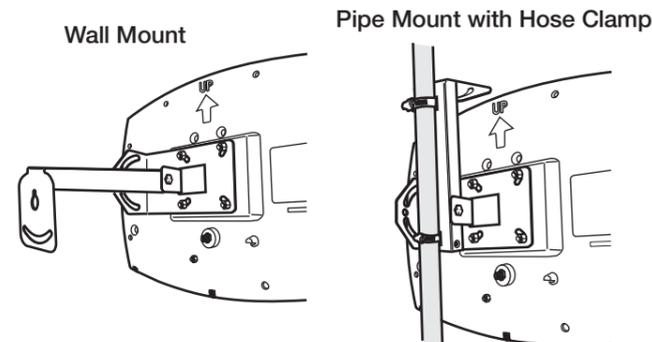
Rotate 360°

6. Align DU - final rotation

Begin rotating the DU again. When the flashing LED turns green, stop the rotation. This is the direction the DU must face when mounted.
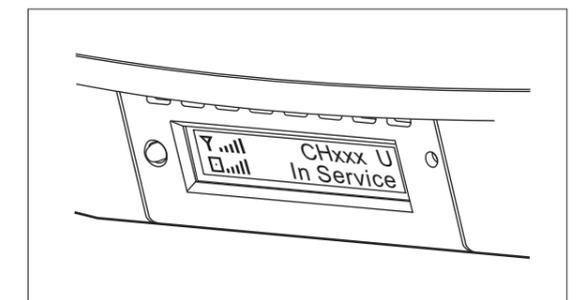
7. Mount DU

Now mount the DU. Typical installations are pictured below. Make sure the DU is facing in the same direction where the LED turned green in step 5.

Wall Mount

Pipe Mount with Hose Clamp

8. Set CU to Active

Set the mode switch on 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.

CHxxx U
In Service