

# AT&T MicroCell™

## User Guide





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# Requirements

## To use the AT&T MicroCell™, you will need:

- Fixed broadband Internet service such as DSL, fiber, or cable. For best performance, download speeds of at least 1.5 Mbps and upload speeds of at least 256 Kbps are recommended. Not compatible with satellite and mobile broadband.
- A dedicated Ethernet port available on your modem or router.
- Computer with Internet access to activate your device.
- Device must be able to access a Global Positioning System (GPS) signal to verify the device location. Installation near a window is strongly recommended.
- AT&T 3G, 4G, or 4G LTE wireless handset.
- Post paid wireless plan from AT&T

## Package Contents

- AT&T MicroCell™
- Yellow Ethernet cable
- AC power adapter
- Quick Start
- User Guide

# Getting to Know your Device

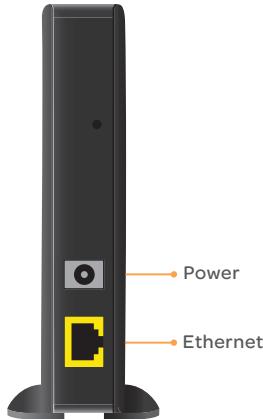
## STATUS INDICATORS

Your MicroCell uses indicator lights on the front of the device to show service status.



## DEVICE CONNECTIONS

Color coded connection ports are located on the back of the device.



# Frequently Asked Questions

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I completed my MicroCell online activation at the AT&T store. Do I have to do it again?

No, you can skip Step 3 and proceed to Step 4 of the setup process.

## What's the best location for the MicroCell?

Your MicroCell works best within three feet of a window and not in a basement or closet. You will improve the chances of receiving a GPS signal when you install your MicroCell:

- On first floor or above basement level.
- Next to a window with a clear, unobstructed view of the sky.
- At least one foot away from other wireless broadcasting devices.
- When the weather is clear (no clouds or rain).

## Will all cell phones work with my MicroCell?

All 3G, 4G and 4G LTE cell phones that receive wireless service from AT&T will work with the MicroCell if they are added online to the MicroCell's approved user list.

## Do I need to change any settings on my AT&T cell phone to make it work with my MicroCell?

No, you don't have to change anything on your phone. If your AT&T cell phone number is on your approved user list, it should work.

## What is an approved user list?

The approved user list contains the phone numbers of friends, family and associates that you allow to use your MicroCell while they are at your home or office. You can only add people to this list who have an AT&T wireless service plan. When they make phone calls, they will use their own minutes and service plan. To add an AT&T 3G, 4G or 4G LTE wireless cell phone number to your approved user list, go to [att.com/MicroCell](http://att.com/MicroCell) and manage your settings.

**IMPORTANT NOTE:** When adding a wireless number to your approved user list, that handset will need to be restarted (turned off and back on again) when in range of your MicroCell. This is a one-time occurrence and only needs to be done the first time you add the wireless number to your approved user list.

## What type of Internet service does the MicroCell need?

The MicroCell uses high speed fixed broadband Internet service such as DSL or cable. For best performance, your service should have download speeds of at least 1.5 Mbps and upload speeds of at least 256 Kbps. You can use any high-speed Internet service provider. Not compatible with satellite or mobile broadband. Contact your Internet Service Provider if your Internet service is slower than minimum requirements.

## Frequently Asked Questions (continued)

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### Why did my MicroCell lights go off during activation?

Your MicroCell automatically checks for software updates each time you turn it on. If necessary, the MicroCell downloads updated software and then restarts.

### Will my MicroCell slow down my network?

The MicroCell takes up very little of your bandwidth. Downloading music, videos, or other large files may impact the bandwidth available for your MicroCell and affect voice quality.

### Should I use my MicroCell for data instead of Wi-Fi?

The MicroCell supports data usage. However, it is not intended to be a replacement for your wireless network (Wi-Fi). Data over Wi-Fi doesn't affect your wireless plan and provides best performance for Wi-Fi capable cell phones and other devices. The MicroCell is a great supplement for data on cell phones that aren't Wi-Fi capable.

### How do I move my MicroCell to a new location?

Use the Quick Start for setup instructions and then update your account online with the new address by visiting [att.com/MicroCell](http://att.com/MicroCell) and manage your settings.

**NOTE:** The new location must be in an area where AT&T is licensed to provide service.

### How do I purchase the Unlimited MicroCell Calling feature?

Go to [www.att.com/mywireless](http://www.att.com/mywireless). Log in to your online wireless account, click the “I want to...” dropdown, hover the mouse over “Manage my plan & services”, and click “Add or change a service”. Scroll down and select “AT&T Unlimited MicroCell Calling”.

### Is there a MicroCell Mobile App?

Yes, you can download the free MicroCell iPhone App at the Apple App Store. The app allows you to activate and manage your MicroCell settings, including adding a new approved user, changing your location, and updating your email address.

### I have more questions.

For more information about your MicroCell, visit [att.com/MicroCell](http://att.com/MicroCell).

# Overview

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This guide will take you step-by-step through configuration, activation, and confirmation.



## STEP 1

Connect your device to the Internet



## STEP 2

Power on your device



## STEP 3

Activate your device online



## STEP 4

Wait while your device connects



## STEP 5

Confirm your success



## STEP 1

# Connect your device to the Internet

Connect the yellow Ethernet cable from the “Ethernet” port on your MicroCell to your modem or router.



### PLACEMENT TIPS

Your MicroCell works best within **three feet of a window** and not in a basement or closet.

You will improve the chances of receiving a GPS signal when you install your MicroCell:

- On first floor or above basement level.
- Next to a window with a clear, unobstructed view of the sky.
- At least one foot away from other wireless broadcasting devices.
- When the weather is clear (no clouds or rain).



## STEP 2

### Power on your device

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Connect your MicroCell to a power outlet with the AC power adapter.

The power light on the front of the device will come on immediately. Within a few minutes, other lights will flash as a GPS signal is located and software is updated.



## STEP 3

### Activate your device online

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If you completed online activation at the AT&T store, proceed to Step 4.

Visit [att.com/MicroCell-Activate](http://att.com/MicroCell-Activate) and follow the instructions on the screen.

You'll need the following

- Serial Number (S/N) – it's on the bottom of the device or the box label.
- Your AT&T wireless phone number/user name or AT&T Access ID, as well as your password.
- If you haven't set up an AT&T online wireless account, you'll need to do so.

#### E911 SERVICE

You were required to provide the address where the device will be located during the activation process. The location address you provided is sent to local emergency responders and must be kept up to date if you move your device. To update your location address information, visit [att.com/MicroCell](http://att.com/MicroCell) and manage your settings.



## STEP 4

# Wait while your device connects

Take a break!

You will receive a text message and email once activation is complete.

Visit [att.com/MicroCell](http://att.com/MicroCell) to learn more on how to get the most out of your MicroCell.

**NOTE:**

It can take **up to 90 minutes** from step 1 to complete activation. Your device may update and restart during this time.



## STEP 5

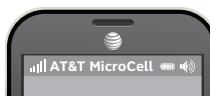
# Confirm your success

Your device is configured and working properly when:

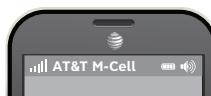
- You receive a text message and an email confirmation.
- The Network light on your MicroCell is solid and green.
- Your cell phone shows “**AT&T MicroCell**” or “**AT&T M-Cell**” instead of “**AT&T**” as the network provider (as shown below).

**NOTE:**

You may need to restart your cell phone for “AT&T MicroCell” or “AT&T M-Cell” to appear.



**or**



**NOTE:** Some mobile devices may display network provider information differently.

# Things to Know

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## **Cell phones may take some time to switch to the MicroCell**

Your cell phone may not immediately switch to your MicroCell when you enter its coverage area. Depending on the signal strength of the AT&T cell tower, the time for your cell phone to switch to the MicroCell can vary. It may take seconds or up to five minutes.

## **Connecting to the MicroCell doesn't always mean unlimited calling**

You can purchase AT&T Unlimited MicroCell Calling for an individual phone number, your whole account or use your existing wireless plan minutes. Other 3G, 4G or 4G LTE cell phone owners on your approved user list also use their existing wireless plan minutes unless they purchase the Unlimited MicroCell Calling feature.

## **Calls transfer out, but don't transfer in**

Calls transfer from the MicroCell to the strongest available AT&T cell tower signal. However, calls initiated on the cell tower do not transfer to the MicroCell.

**NOTE:** With the optional Unlimited MicroCell Calling feature, calls that originate on the MicroCell and transfer to a nearby AT&T cell tower continue on as unlimited.

## **Restarting fixes most problems**

Like many electronic devices, the MicroCell and your 3G, 4G or 4G LTE cell phone may occasionally need to be rebooted (turned off and back on again) to reestablish their connection to each other.

# Troubleshooting

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If your issue cannot be resolved via the troubleshooting steps provided in this section, please visit [att.com/MicroCell-Help](http://att.com/MicroCell-Help) or call AT&T Support at 1-800-331-0500.

## Help with activating your MicroCell

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### STEP 1: Have you completed online activation?

- NO:** Go to [att.com/MicroCell-Activate](http://att.com/MicroCell-Activate) and follow the instructions on the screen.  
**YES:** Go to STEP #2.



### STEP 2: Is your power light flashing red?

- NO:** Go to STEP #3.  
**YES:** Return your MicroCell to the place of purchase for replacement.



### STEP 3: Have you waited a full 90 minutes after completing online activation and connecting your MicroCell to your broadband connection?

- NO:** Please wait the full 90 minutes. Do not restart your MicroCell prior to 90 minutes as this will delay your activation time.  
**YES:** Go to STEP #4.



### STEP 4: Is your GPS light solid green?

- NO:** Refer to page 5 "What's the best location for the MicroCell" for placement tips. Once you have moved the device, wait 60 minutes for your GPS light to turn solid green. In rare instances it may take up to 24 hours.  
If you need to relocate your MicroCell beyond the reach of your Ethernet cable, refer to page 14 "My Internet equipment isn't near a window and I am unable to get a GPS lock" under the second bullet.  
**YES:** Go to STEP #5.



### STEP 5: Is your Network light solid green?

**NO:** Follow the steps below in order, until the Network light is solid green:

- **Make sure the address you used during online activation matches the location of your MicroCell.**
- **Restart your MicroCell.** Unplug the power adapter from the wall outlet, wait 10 seconds, then plug it back in. Wait 30 minutes for the Network light to turn solid green. In rare instances it may take up to 24 hours.
- **You may need to change your modem or router settings.** See the required firewall settings on page 23 or go to [att.com/MicroCell-Help](http://att.com/MicroCell-Help).

**YES:** Go to STEP #6.

### STEP 6: Does your 3G, 4G or 4G LTE cell phone display “AT&T MicroCell” or “AT&T M-Cell” on the idle screen (as shown below)?

**NO:** Follow the steps below in order, until “AT&T MicroCell” or “AT&T M-Cell” appears:

- **Make sure your cell phone is 3G, 4G or 4G LTE capable** and 3G service is enabled in your device settings. The MicroCell only works with AT&T 3G, 4G or 4G LTE enabled cell phones.
- **Restart your 3G, 4G or 4G LTE cell phone.** Turn your cell phone off and then turn it back on.
- **Make sure your 3G, 4G or 4G LTE cell phone is on the approved user list** for your MicroCell. Go to [att.com/MicroCell](http://att.com/MicroCell) and manage your settings.

**YES:** Your MicroCell is active and your device is connected successfully.



**NOTE:** Some mobile devices may display network provider information differently.

## Help with activating your MicroCell (continued)

My Internet equipment isn't near a window and I am unable to get a GPS lock

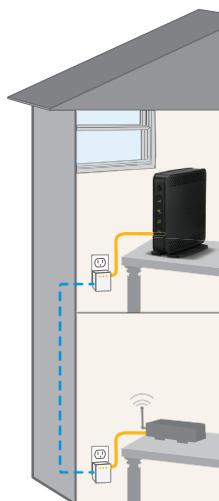
- Use a longer Ethernet cable to move your MicroCell closer to a window with a clear, unobstructed view of the sky.



- If using a longer Ethernet cable will not resolve the issue, then powerline Ethernet adapters are available which use your electrical outlets to provide Internet connections to areas away from existing Internet equipment.

For example, if your router is located on a different floor or part of the house where you want to place your MicroCell, powerline Ethernet adapters can be used to connect the MicroCell to the router through your electrical outlets. Connect the router to one adapter plugged into an electrical outlet. Then connect the MicroCell to an adapter plugged into an electrical outlet in another part of your house so that the two can communicate via the electrical wiring.

A minimum of two powerline Ethernet adapters are required—one for the router and one for the MicroCell. AT&T offers a HomePlug AV starter kit online at [att.com/equipment/accessories/network-equipment.jsp](http://att.com/equipment/accessories/network-equipment.jsp). Similar devices are also available at local electronic stores.



**NOTE:** Continue to keep your MicroCell and router plugged into an electrical outlet using the power cord provided with each device.

## I can't get my MicroCell to activate in my basement

- Move your MicroCell to within 3 feet of a window with a clear, unobstructed view of the sky.
- If your basement does not have windows, then it may be necessary to re-locate the MicroCell to the first floor or above. If necessary, use a longer Ethernet cable or a powerline Ethernet adapter (as described in the previous solution).

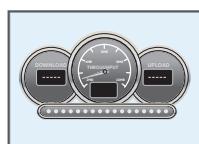
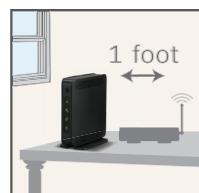


## Help after activating your MicroCell

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My range of coverage on the MicroCell is limited or I experience dropped calls on the MicroCell

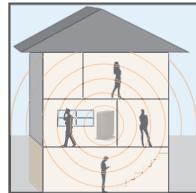
- If your MicroCell is located next to or in close proximity to another wireless broadcasting device, move the MicroCell at least one foot away from that device.
- If your MicroCell is located:
  - » On the floor, then move it off the floor and onto a desk or table;
  - » In a cabinet or closet, then move it out of the cabinet or closet;
  - » Behind or next to any furniture or other insulated or radiating devices (such as a couch, microwave, flat panel TV, etc.) that may interfere with the MicroCell's broadcasting signal, then move it to a new location where there is nothing blocking the MicroCell.
- If re-locating your MicroCell does not resolve the issue or does not apply to you, then run a speed test at [att.com/speedtest](http://att.com/speedtest) to ensure your broadband connection meets minimum requirements of 1.5 Mbps download and 256 Kbps upload speeds. If necessary, upgrade to a higher broadband speed.



## Help after activating your MicroCell (continued)

My range of coverage on the MicroCell is limited or I experience dropped calls on the MicroCell

- If your broadband meets minimum requirements, then place your MicroCell in a central location of your residence or in a location where your MicroCell is used most frequently. If necessary, use a longer Ethernet cable or a powerline Ethernet adapter (as described on page 14 "My Internet equipment isn't near a window and I am unable to get a GPS lock" in the second bullet).
- It is possible as you move around your home that your MicroCell is handing over your call to an AT&T cell tower, especially as you move further from the MicroCell. To reduce the potential dropped calls stemming from this, a new feature is now available to give you greater control over your MicroCell experience. Please go to [www.att.com/MicroCell](http://www.att.com/MicroCell) and select the "Manage Settings" tab. Log into the MicroCell web portal with your Personal or Business account username and password. On the "Manage your MicroCell settings page", select "disable" automatic hand-out. If you choose to disable automatic hand-out, this will apply to all numbers on the approved user list.



**NOTE:** When automatic hand-out is disabled, MicroCell calls will drop when the handset is out of MicroCell range. As such, if you begin a call on your MicroCell, you will need to stay within range of the MicroCell in order to avoid a dropped call.

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### I am not satisfied with the voice quality on my MicroCell

- Run a speed test at [att.com/speedtest](http://att.com/speedtest) to ensure your broadband connection meets minimum requirements of 1.5 Mbps download and 256 Kbps upload speeds. If necessary, upgrade to a higher broadband speed.

### My MicroCell was active, but now the Network light is flashing green

- Restart your MicroCell. Unplug the power adapter from the wall outlet, wait 10 seconds, then plug it back in. It may take an additional 30 minutes for the Network light to turn solid green; OR
- If your GPS light is also flashing and you've moved your MicroCell from its original position where it obtained a solid GPS light, then move it back to the original position.

### My cell phone does not display "AT&T MicroCell" or "AT&T M-Cell"

- Restart your 3G, 4G or 4G LTE cell phone. Turn your cell phone off and then turn it back on.
- If restarting your 3G, 4G or 4G LTE cell phone does not resolve the issue, then restart your MicroCell. Unplug the power adapter from the wall outlet, wait 10 seconds, then plug it back in. It may take an additional 30 minutes for the Network light to turn solid green.

## Understanding the Lights on your MicroCell

Status Indicator	Light is	Then...
 Power	Red	Your MicroCell may need replacement. Return it to the place of purchase.
 Ethernet	Off	Your Ethernet cable may be disconnected (yellow cable provided). Make sure the cable between your MicroCell and your modem or router is securely plugged in.
	Solid Green	This is a normal condition when your MicroCell is connected correctly to your modem or router.
 GPS	Off	The MicroCell is not receiving a GPS signal. This is normal when connecting your MicroCell for the first time.  If the light is off after a successful activation, restart the MicroCell and wait until it acquires a new GPS signal. You may need to wait up to 60 minutes to get a new signal.  If the light remains off after 60 minutes, contact AT&T Support at 1-800-331-0500 for assistance.
	Flashing Green	If the light is still flashing 60 minutes after connecting your MicroCell for the first time, your MicroCell cannot receive a GPS signal. Refer to Step 4 on page 12.

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Status Indicator	Light is	Then...
 Network	Flashing Green	<p>The MicroCell may be activating or downloading new software.</p> <p>During the activation process, it can take up to 90 minutes for your MicroCell to complete activation.</p> <p>If the light is still flashing after 90 minutes, refer to Step 5 on page 13.</p>
	Flashing Red	<p>There may be a problem with your device. Contact AT&amp;T Support at 1-800-331-0500 for assistance.</p>

# Important Safety Instructions

## NOTICE TO INSTALLERS:

The servicing instructions in this notice are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions, unless you are qualified to do so.

## NOTE TO SYSTEM INSTALLER:

For this apparatus, the cable shield/screen shall be grounded as close as practical to the point of entry of the cable into the building. For products sold in the US and Canada, this reminder is provided to call the system installer's attention to Article 800-93 and Article 800-100 of the NEC (or Canadian Electrical Code Part 1), which provides guidelines for proper grounding of the cable shield.



This symbol is intended to alert you that uninsulated voltage within this product may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this product.

Ce symbole a pour but d'alerter toute personne qu'un contact avec une pièce interne de ce produit, sous tension et non isolée, pourrait être suffisant pour provoquer un choc électrique. Il est donc dangereux d'être en contact avec toute pièce interne de ce produit.



This symbol is intended to alert you of the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.

Ce symbole a pour but de vous avertir qu'une documentation importante sur le fonctionnement et l'entretien accompagne ce produit.



**CAUTION:** To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

**WARNING**  
TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

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- 1) Read, keep and follow instructions.
  - 2) Do not use this apparatus near water.
  - 3) Clean only with dry cloth.
  - 4) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  - 5) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 6) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 7) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 8) Only use attachments/accessories specified by the manufacturer.
  - 9) Unplug this apparatus during lightning storms or when unused for long periods of time.
  - 10) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Important Safety Instructions (continued)

### Power source warning

A label on this product indicates the correct power source for this product. Operate this product only from an electrical outlet with the voltage and frequency indicated on the product label. If you are uncertain of the type of power supply to your home or business, consult your service provider or your local power company. The AC inlet on the unit must remain accessible and operable at all times.

### Ground the product



**WARNING:** Avoid electric shock and fire hazard! If this product connects to cable wiring, be sure the cable system is grounded (earthed). Grounding provides some protection against voltage surges and built-up static charges.

### Protect the product from lightning

In addition to disconnecting the AC power from the wall outlet, disconnect the signal inputs.

### Verify the power source from the on/off power light

When the on/off power light is not illuminated, the apparatus may still be connected to the power source. The light may go out when the apparatus is turned off, regardless of whether it is still plugged into an AC power source.

### Eliminate AC mains overloads



**WARNING:** Avoid electric shock and fire hazard! Do not overload AC mains, outlets, extension cords, or integral convenience receptacles. For products that require battery power or other power sources to operate them, refer to the operating instructions for those products.

### Provide ventilation and select a location

- Remove all packaging material before applying power to the product.
- Do not place this apparatus on a bed, sofa, rug, or similar surface.
- Do not place this apparatus on an unstable surface.
- Do not install this apparatus in an enclosure, such as a bookcase or rack, unless the installation provides proper ventilation.
- Do not place entertainment devices (such as VCRs or DVDs), lamps, books, vases with liquids, or other objects on top of this product.
- Do not block ventilation openings.

### Protect from exposure to moisture and foreign objects



**WARNING:** Avoid electric shock and fire hazard! Do not expose this product to dripping or splashing liquids, rain, or moisture. Objects filled with liquids, such as vases, should not be placed on this apparatus.



**WARNING:** Avoid electric shock and fire hazard! Unplug this product before cleaning. Do not use a liquid cleaner or an aerosol cleaner. Do not use a magnetic/static cleaning device (dust remover) to clean this product.



**WARNING:** Avoid electric shock and fire hazard! Never push objects through the openings in this product. Foreign objects can cause electrical shorts that can result in electric shock or fire.

# Firewall Settings

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## Service warnings



**WARNING:** Avoid electric shock! Do not open the cover of this product. Opening or removing the cover may expose you to dangerous voltages. If you open the cover, your warranty will be void. This product contains no user-serviceable parts.



**WARNING:** This device has anti-tampering technology. Attempts to open the enclosure by unqualified personnel may render the device inoperable.

## Check product safety

Upon completion of any service or repairs to this product, the service technician must perform safety checks to determine that this product is in proper operating condition.

## Protect the product when moving it

Always disconnect the power source when moving the apparatus or connecting or disconnecting cables.

Installing the MicroCell behind a firewall, or behind a router with firewall capabilities, requires the following ports be opened to prevent the firewall from blocking communication with the network.

**123/UDP:** NTP timing (NTP traffic)

**443/TCP:** HTTPS over TLS/SSL for provisioning and management traffic

**4500/UDP:** IPSec NAT Traversal (for all signaling, data, voice traffic)

**500/UDP:** IPSec Phase 1 prior to NAT detection (after NAT detection, 4500/UDP is used)

**4500/UDP:** After NAT detection, 4500/UDP is used

**NOTE:** Customers attempting to connect a MicroCell on their corporate Internet connection may experience connection issues. The MicroCell is designed to function using a direct Internet connection.

# Specifications

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## Device Specifications

**Power Supply:** 100-120 VAC, 15 W; 12 VDC, 1.25 A Output

**Status Indicators:** Power, Ethernet, GPS, Network

**Dimensions (H x D x W):** 8.5 in. x 6.3 in. x 1.5 in. (at top), 4 in. (at legs)

**Unit Weight:** 1 lb 2 ounces (AC power adapter not included)

**Ambient Temperature Range:** 0° to 38°C  
32° to 100°F

## RF Exposure

**NOTE:** This transmitter must not be collocated or operated in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body.

### UNITED STATES

This equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. This system has been evaluated for RF exposure for humans in reference to ANSI C 95.1 (American National Standards Institute) limits. The evaluation was based on evaluation per ANI C 95.1 and FCC OET Bulletin 65C rev 01.01. The minimum separation distance from the antenna/radiator to a general bystander is 7.9 inches (20 cm) to maintain compliance.

This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

### CANADA

This equipment complies with IC RF exposure limits set forth for an uncontrolled environment. This system has been evaluated for RF exposure for humans in reference to Canada Health Code 6 (2009) limits. The evaluation was based on evaluation per RSS-102 Rev 4. The minimum separation distance from the antenna to general bystander is 7.9 inches (20 cm) to maintain compliance.

## FCC Compliance

### UNITED STATES FCC COMPLIANCE

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by using one or more of the following measures:

- Reorient or relocate the receiving antenna, if applicable.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the service provider or an experienced radio/television technician for help.

Any changes or modifications to this product not expressly approved by Cisco Systems, Inc., could void the FCC approval and negate the user's authority to operate the equipment.

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device.

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The phone numbers listed are for FCC related questions only and not intended for questions regarding the connection or operation for this device. Please contact your service provider for any questions you may have regarding the operation or installation of this device.

## DECLARATION OF CONFORMITY

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation.

AT&T MicroCell™

Product: Femtocell

Model: DPH-154

Manufactured by: Cisco Systems, Inc.

5030 Sugarloaf Parkway

Lawrenceville, Georgia 30044 USA

Telephone: 770-236-1077

## CANADA EMI REGULATION

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

This device complies with RSS-132 and RSS-133 of the Industry Canada Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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# One-Year Limited Warranty

AT&T warrants to the first retail purchaser of this MicroCell device that should this product or any part be proved defective in materials or workmanship, from date of purchase, as evidenced by a register receipt or other valid proof of purchase for a period of one (1) year, then it will be subject to the terms of this one-year limited warranty. Such defects will be repaired or replaced without charge for parts or labor directly related to the defect.

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