

Quick Start

AirCard® Smart Cradle

Model DC112A

The AirCard Smart Cradle allows you to transform your AirCard mobile hotspot into a powerful LTE router by combining the benefits of a home router and a Wi-Fi signal booster. It charges your mobile hotspot battery, boosts its 4G/3G signal, extends WiFi coverage, and expands your mobile hotspot connection to both wired and wireless devices. This cradle can also be used as a standalone 802.11ac Dual-Band WiFi router.

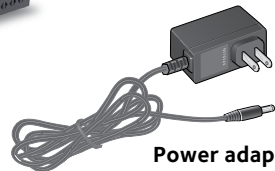
Package Contents



AirCard Smart Cradle



External WiFi antennas (2)



Power adapter (appearance varies by region or country)

NETGEAR®

Attach the External WiFi Antennas

For the best WiFi performance, attach both antennas.

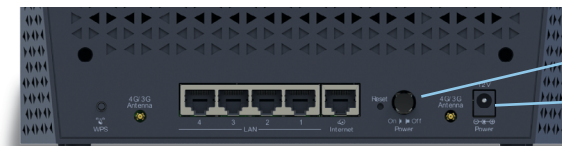
1. Align the antennas with the antenna posts on the cradle.



2. Attach the antennas on the threaded antenna posts, ensuring that the connection is secure.
3. Adjust the antenna positions so that they point straight up.


Install the AirCard Smart Cradle

1. Place the Smart Cradle in your preferred location.
2. Connect the cradle's power adapter and plug it into an electrical outlet.



Power On/Off button

Power input

The Power LED  lights green within one minute. If the Power LED does not light, press the **Power On/Off** button on the rear panel of the cradle.

3. Slide the antenna covers on the bottom of the mobile hotspot to the open position.
4. Dock the mobile hotspot in the Smart Cradle.



5. Check the Smart Cradle's Internet LED .

The Smart Cradle detects your mobile hotspot's Internet connection, the Internet LED lights green, and the cradle uses the mobile hotspot's Internet connection. The mobile hotspot must have active Internet service.

When your mobile hotspot detects that it is docked, the mobile hotspot LCD and home page indicate that it is docked in the cradle. The mobile hotspot uses the cradle's more powerful 3G/4G antennas for better network coverage and charges itself through the cradle. The mobile hotspot disables its WiFi signal so that you can connect to the Smart Cradle's stronger WiFi signal.

NOTE: Some mobile hotspots require a firmware update before they automatically disable WiFi when docked. If your mobile hotspot broadcasts its WiFi signal when docked, manually set up your mobile hotspot to disable WiFi. See the mobile hotspot user guide for more information.

6. On your computer or WiFi device, find and connect to the WiFi network name on the cradle label.

Log In to the AirCard Smart Cradle

You can log in to the Smart Cradle to view or change its settings.

1. Connect a computer to the cradle:
 - For a WiFi connection, on your computer or WiFi device, find and connect to the WiFi network name on the cradle label.
 - For a wired connection, use an Ethernet cable to connect a computer to an Ethernet LAN port on the rear panel of the cradle.
2. Launch a web browser.
3. In the address field of the browser, enter **http://netgear.cradle**.
A login prompt displays.
4. Enter **admin** for the user name and enter the password.
The default password is **password**.
The Home screen displays.




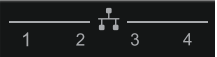


The AirCard Smart Cradle can also be used for:

- Use the mobile hotspot's Internet connection as a backup for your regular Internet connection.
- Use the cradle to extend WiFi coverage for another WiFi network.
- Share a hard drive or printer using ReadySHARE USB Storage Access and ReadySHARE Printer.
- Share media using DLNA server or ReadySHARE.

Undock the Mobile Hotspot

Lift the mobile hotspot from the AirCard Smart Cradle. If it is difficult to remove, gently wiggle the mobile hotspot from side to side. When you remove the mobile hotspot, the AirCard Smart Cradle loses its LTE Internet connection, but it continues to work as a WiFi router. The mobile hotspot enables its own WiFi again so you can connect to the mobile hotspot WiFi.

Front Panel LEDs

LED	Description
Power 	<ul style="list-style-type: none">• Solid amber. The cradle is booting.• Blinking amber. The firmware is upgrading, or someone pressed the Reset button.• Solid green. The cradle is powered on and ready.• Blinking green. The firmware is corrupted. Contact your Internet service provider for technical support.• Off. Power is not supplied to the cradle.
USB 	<ul style="list-style-type: none">• Solid green. The USB device is connected and ready.• Solid red. A USB device is connected but unrecognized.• Off. No USB device is connected, or someone clicked the Safely Remove Hardware button and it is safe to remove the attached USB device.
Internet 	<ul style="list-style-type: none">• Solid green. The Internet connection is ready.• Solid amber. The cradle is connected to the Internet.• Off. The cradle is not connected to the Internet.
Ethernet LAN (4) 	<ul style="list-style-type: none">• Solid. A powered-on device is connected to this port.• Off. No device is connected to this port.
2.4 GHz 	<ul style="list-style-type: none">• Solid green. The 2.4 GHz WiFi radio is operating.• Blinking. The cradle is in WPS mode.• Off. The WiFi radio is off.
5 GHz 	<ul style="list-style-type: none">• Solid green. The 5 GHz WiFi radio is operating.• Blinking. The cradle is in WPS mode.• Off. The WiFi radio is off.

Support

For information about Smart Cradle features, see the Smart Cradle user manual, available at <http://downloadcenter.netgear.com/>.

Contact NETGEAR at 1 800 17 22 44 for technical support.

For the current EU Declaration of Conformity, visit http://support.netgear.com/app/answers/detail/a_id/11621/.

For regulatory compliance information, visit <http://www.netgear.com/about/regulatory/>.

See the regulatory compliance document before connecting the power supply.

To avoid potential WiFi signal interference, do not put the cradle close to reflective or metal surfaces, such as mirrors, metal file cabinets, or stainless steel counter tops. Do not put the cradle near electrical equipment or appliance such as microwave ovens.



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Federal Communication Commission Interference Statement

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

This equipment 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 harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 one of the following measures:

- Reorient or relocate the receiving antenna.
- 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 dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

To comply with FCC RF Exposure Limits set forth for an uncontrolled environment, the product must be installed and operated with a minimum separation distance (between nearby person(s) and radiating antenna) according to the following scenarios:

1. 20cm minimum when the product is operated alone without co-transmitting with a plug-in mobile hotspot device.
2. 48cm minimum when the product is operated with a plug-in mobile hotspot device which has

maximum output power in each certificate license band.

3. For co-transmission scenario which is not covered above, please consult the RF technician or device supplier.

Industry Canada statement:

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
- (v) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5250 à 5350 MHz et de 5470 à 5725 MHz doit être conforme à la limite de la p.i.r.e.;
- (iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation

non point à point, selon le cas;

(iv) les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.

(v) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiation Exposure Statement:

To comply with ISED RF Exposure Limits set forth for an uncontrolled environment, the product must be installed and operated with a minimum separation distance (between nearby person(s) and radiating antenna) according to the following scenarios:

1. 24cm minimum when the product is operated alone without co-transmitting with a plug-in mobile hotspot device.
2. 67cm minimum when the product is operated with a plug-in mobile hotspot device which has maximum output power in each certificate license band.
3. For co-transmission scenario which is not covered above, please consult the RF technician or device supplier.

AVERTISSEMENT DE SECURITE CONCERNANT LES EXPOSITIONS AUX FREQUENCES RADIO

Pour être conforme aux limites d'exposition aux fréquences radio ISED établies pour un environnement non contrôlé (utilisation par le grand public), l'équipement doit être installé et utilisé en laissant une distance de séparation de sécurité (entre la ou les personnes présentes dans le périmètre et l'antenne d'émission) selon les cas suivants :

1. 24cm minimum lorsque le produit est utilisé seul sans co-transmission avec un plug-in mobile hotspot dispositif.
2. 67cm minimum lorsque le produit est exploité avec un dispositif de point d'accès mobile enfichable qui a une puissance de sortie maximale dans chaque bande de licence de certificat.
3. Dans des cas de co-transmission non mentionnés ci-dessus, merci de bien vouloir consulter un technicien radio qualifié ou directement le fabricant de l'appareil.

This radio transmitter (IC: 4054A-DC112A/ Model: DC112A) has been approved by ISED to operate with the antenna type listed below with maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio(IC: 4054A-DC112A/ Model: DC112A) a été approuvé par ISED pour

fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Brand	Model	Antenna Gain(dBi)	Frequency range	Antenna Type	Connecter Type
Master Wave	98619PRSX006	2.48	2400~2500 MHz	Dipole	R-SMA
		2.96	5150~5850 MHz		