



# Wi-Fi Mesh Point

## VAP4641 Quick start guide



### PARTS OF THE MESH POINT

ON/OFF Switch

Status LED

WPS Button

Reset

Power Socket

Ethernet Port

Power Plug

### HOW TO READ YOUR MESH POINT LEDS

| STATE    | LED COLOUR                     |                                 |
|----------|--------------------------------|---------------------------------|
| Power    | Starting up                    | fast blinking green             |
|          | Up; not connected to network   | slow blinking green             |
|          | Fast network speed             | solid green                     |
| Wired    | Limited network speed          | solid yellow                    |
|          | Slow network speed             | solid red                       |
|          | WPS process ongoing            | blinking yellow                 |
|          | WPS pairing unsuccessful       | fast blinking red; 10 seconds   |
| WPS      | WPS pairing successful         | fast blinking green; 10 seconds |
|          | Mesh Point at good position    | solid green                     |
| Wireless | Mesh Point far from router     | solid yellow                    |
|          | Mesh Point too far from router | solid red                       |

### OPEN SOURCE SOFTWARE AND LICENSES

For instructions on how to obtain a copy of any source code being made publicly available by ARRIS related to software used in this ARRIS product you may send your request in writing to: ARRIS, Software Pedigree Operations, 2450 Walsh Avenue, Santa Clara, CA 95051, USA. The ARRIS website [opensource.arris.com](http://opensource.arris.com) also contains information regarding use of open source. ARRIS has created [opensource.arris.com](http://opensource.arris.com) to serve as a portal for interaction with the software community-at-large.

### CAUTION

- ENVIRONMENT:**
- The Mesh Point needs air flow to keep cool. Do not block or cover the ventilation holes of the Mesh Point. Leave a gap of at least 10cm above and around the Mesh Point to allow for adequate ventilation.
  - Do not operate your Mesh Point in an unventilated cabinet or on top of another unit that emits heat, such as a TV or media player.
  - Do not store the Mesh Point in hot, damp, dusty, or unusually cold locations.
  - The Mesh Point is intended for indoor use and installation only.
- HANDLING:**
- Do not put anything on or over your Mesh Point which might drip or spill on it.
  - Never place an open flame, such as from a lit candle, near the Mesh Point's ventilation holes.
- STORAGE:**
- Store your Mesh Point in a cool, dry place. Before installation and use, let the Mesh Point reach room temperature.

### INDUSTRY CANADA STATEMENT

This device complies with ICSED'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'ICSED 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;

(iv) where applicable, antenna type(s), antenna model(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask equipment set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:

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

(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;

(iv) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élevation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

**Radiation Exposure Statement:**

This equipment complies with ICSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 27cm between the radiator & your body.

Déclaration d'exposition aux limites d'exposition aux rayonnements ICSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 27cm entre le radiateur et votre corps.

### CARING FOR THE ENVIRONMENT BY RECYCLING

Recycling your ARRIS Equipment

Please do not dispose of this product with your residential or commercial waste items. Contact your local authorities for information about practices established for your region. If collection is not available, contact ARRIS customer support for information.

No part of this manual may not be copied, reproduced, transmitted, transcribed or translated into any language without permission. Space Television reserves the right to change the specifications of the hardware and software described in these manuals at any time. Space Television cannot be held liable for any damages resulting from the use of this product. Specifications are subject to change without notice.

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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. Operations in the 5.15-2.5GHz band are restricted to indoor usage only. This device meets all the other requirements specified in Part 15C, Section 15.407 of the FCC Rules.

**Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator & your body.

**FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)**

The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all Wi-Fi products marketed in the US must be fixed to US operation channels only.

### Restrictions on Use of Wireless Devices

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. For example, using wireless equipment in any environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the applicable policy for the use of wireless equipment in a specific organization or environment, you are encouraged to ask for authorization to use the device prior to turning on the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this product, or the substitution or attachment of connecting cables and equipment other than specified by the manufacturer.

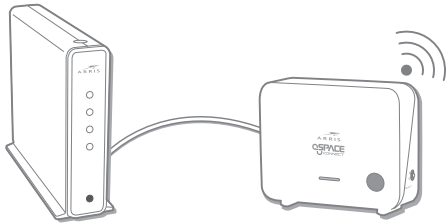
Correction of interference caused by such unauthorized modification, substitution, or attachment is the responsibility of the user.

The manufacturer and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from failing to comply with these guidelines.

## CONNECT YOUR FIRST VAP4641 WIRED CONNECTION

Has your service provider informed you that your router is EasyMesh enabled? **NO**

1. Connect your first VAP4641 Mesh Point to your current router using an Ethernet cable. Connect the Mesh Point to power and switch to ON. The LED will blink fast, then blink slow, then turn to solid green. This will take a couple of minutes. Now, you are ready to add additional Mesh Points to the network.



### ! IMPORTANT!!!

When connecting using the WIRED OPTION, it is recommended that you switch off the Wi-Fi on the current router, and use the Space Connect Arris VAP4641 as your primary connection.

2. Locate your second Mesh Point approximately 5-15m from your router; if you have line-of-sight they can be further apart, but move closer if there are thick walls between.
3. Pair the units: Push the WPS button on the first Mesh Point, then push the WPS button on the second Mesh Point. Note: When adding additional Mesh Points, always push the button on the first Mesh Point and then push the WPS button on the Mesh Point you are adding.

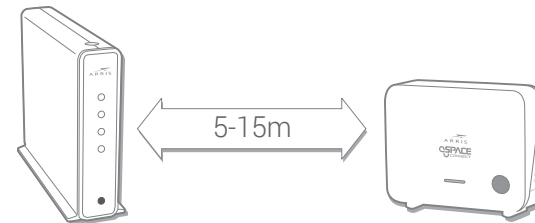


4. The LED on the second Mesh Point flashes green quickly when the two units pair successfully.
5. The second Mesh Point will be automatically configured with the same Wi-Fi settings as the first Mesh Point; this will take a few moments.
6. When configuration is complete, the LED on the second Mesh Point will change color to indicate the quality of the link between the first and the second Mesh Points. See How to read your Wireless Extender LEDs in this guide to understand the state the LED color indicates.

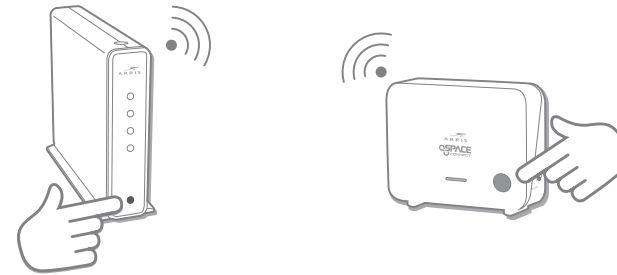
## CONNECT YOUR VAP4641 WIRELESS CONNECTION

Has your service provider informed you that your router is EasyMesh Enabled? **YES**

1. Locate your first VAP4641 Mesh Point approximately 5-15m from your router; if you have line-of-sight they can be further apart, but move closer if there are thick walls between. Connect the Mesh Point to power and switch to ON.



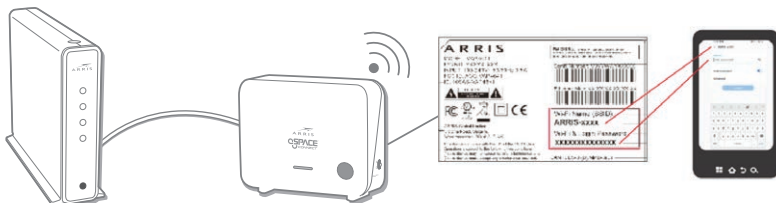
2. Pair the router and the Mesh Point: Push the WPS button on the router, then push the WPS button on the Mesh Point. The LED on the Mesh Point flashes green quickly when it has paired successfully with the router.



3. Next, the LED will change color to indicate the quality of the link between the router and the Mesh Point. See How to read your Wireless Extender LEDs in this guide to understand the state the LED color indicates.
4. To add additional Mesh Points, repeat steps 1-3. Additional Mesh Points are configured with the same Wi-Fi settings as the first Mesh Point.

### Connecting clients (optional) : You can connect to your network in two ways:

1. Use the Wi-Fi credentials used for your EasyMesh enabled router or the Wi-Fi credentials printed on the first Mesh Point connected to your router, or



- OR -



For advanced setup - Please visit our website product page:

<https://www.spacetv.co.za/product/wi-fi-network-extender-with-arris-wi-fi-home-vap4641/>

Helpline: 0861 40 41 42 **WWW.SPACETV.CO.ZA**