AirTies

REVISION TABLE

Change Point	Ref. PN.	PN.	Part Description	Date	Change Notes	Author
		MP-00000XXXXX	FSI, 4971, AT-T, EN, Color, Single, R0, v0	17.11.2020	Initial Release	MB

Air4971 / AT&T / FCC and SAFETY (Printed Material Specification)

Flat dimension	420mm X 148mm
Dimension after binding	A6 (105mm*148mm)
Pages	One page /Double sided
Cover Printing Color	Colour Printing
Inner Printing Color	Colour Printing
Cover Page Material	105g Copperplate paper
Inner Pages Material	105g Copperplate paper
Cover Page Coating	Varnishing
Inner Pages Coating	Varnishing
Binding & Folding Process	Accordion type folding & No binding
Printing Technique	Offset printing
Output lpi	200Lpi
Size Tolerance	L*W:+1/-1mm.
Color Tolerance	ΔE=2 for Pantone ΔE=3 for CMYK
Part Number	MP-00000XXXXX

Printing Colors

NOT PRINTING. THE PAGE FOLDING INFORMATION
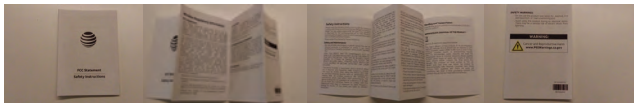
FCC Statement

Safety Instructions

Wireless Regulatory Information

FCC 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 or more 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:

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

2.4GHz operation of this product in the USA is firmware limited to channel 1~11.

This device is restricted for indoor use.

FCC 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 24 cm between the radiator and your body. This device and it's antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

SAFETY WARNINGS:

- Do not use this product near water, for example, in a wet basement or near a swimming pool.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

WARNING:

⚠ Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Safety Instructions

Please read the following instructions carefully. Failure to comply with these instructions can be dangerous and/or illegal. You are solely responsible for how your product is used and for the consequences of its use. Product warranty will not apply in case of use in contravention with the conditions contained herein.

Please retain this manual for future reference.

Safety and Maintenance:

· Do not activate the product in places where the use of wireless products is prohibited or where it can cause interference or hazards (hospitals, clinics, health facilities, etc.).

· KEEP THE DEVICE AND ITS COMPONENTS OUT OF REACH OF CHILDREN AND DO NOT ALLOW CHILDREN TO PLAY WITH THE DEVICE. THEY MAY BE INJURED, CAUSE INJURIES TO OTHERS OR DAMAGE THE DEVICE. THE DEVICE INCLUDES SMALL, POINTED PARTS WHICH CAN CAUSE INJURIES OR BECOME DETACHED AND CAUSE CHOKING.

· The device includes a transmitter and a receiver. When on, it receives and transmits radio frequency energy. You must be careful when using the device very near to individual medical devices, such as pacemakers and hearing aids. All wireless products are sensitive to interference which may affect their performance. The device is designed for operation at a distance of at least 20 cm from any individual. Failure to comply with this instruction may lead to exposure to radio frequency energy in excess of the limits set forth in relevant directives.

· Where there is a possible explosive atmosphere, you must comply with all posted instructions and must, upon request, deactivate the device or any other wireless device. Areas with possible explosive environments are refueling stations, spaces under boat decks, fuel or chemical transportation or storage facilities, as well as areas where the air contains chemicals or particles (such as grains, dust or suspended metallic particles).

· Remove the clear protective plastic cover on the device before turning on the device.

· The openings on the top and at the bottom are provided for ventilation. To ensure reliable operation of the device and to protect it from overheating, these openings must not be blocked or covered.

· The device should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

· Use only the AC adapter which is included in the product package. Any other adapter may cause damage to the device. Such damage is not covered under warranty.

· Make sure that you have inserted the cables supplied in the product package into the correct ports for proper operation.

· Never push objects of any kind into this device through the enclosure openings other than the "RESET" hole as they may touch voltage points or short out parts which could result in fire, explosion or electric shock and damage the device permanently.

· DO NOT turn on or power cycle the device if there is gas leakage.

· DO NOT try to disassemble the device or any of its accessories including the power adapter.

· DO NOT try to repair the power adapter and its cable.

· Never spill liquid of any kind on the device or use this device near water (such as near a bath or swimming pool, in a wet basement, etc.).

· DO NOT expose the device to moisture, dust or corrosive liquids.

· Avoid operating this device during a lightning storm.

· Avoid operating this device under direct sunlight.

· DO NOT use the device outdoors and make sure that all connections are located indoors to avoid risk of electrocution.

· Turn off the device completely before cleaning. Device can be turned off completely only when the AC adapter is unplugged. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

· Always disconnect the power cord from the wall outlet and disconnect any other cables before servicing this product. Under the following conditions, your product must be serviced by qualified service personnel;

  - when the power cord or plug is damaged or frayed.
  - if liquid has spilled into the device.
  - if the product has been exposed to rain or water.
  - if the device does not operate normally when the operating instructions are followed.
  - if the device has been dropped or enclosure has been damaged.
  - if the device exhibits a distinct change in performance, indicating a need for service.

Handling and Transportation:

· Handle the device carefully to avoid damage. Do not drop, bend or strike it.

APPROPRIATE DISPOSAL OF THE PRODUCT:

(Electric & electronic equipment waste)

The signs affixed on the product or its accompanying manuals indicate that it should not be disposed of with other domestic waste when its life cycle is over. To help prevent possible health or environmental hazards (due to uncontrolled waste disposal), and assist the sustainable reuse of material resources, please, separate it from other types of waste and recycle it. Domestic users should either contact the shop where they bought the product or local services to find out where and how they can deliver the product for environmentally safe disposal. Corporate users should contact their suppliers and check the terms and conditions laid down in their purchasing contracts. This product should not be mixed with normal waste.

WFEXT4971-41

Tri-Band 11ax Smart Wi-Fi Extender

AT&T Smart Wi-Fi Extender

Wi-Fi 6 Complete Wireless Solution

The Air 4971 is the latest addition to the AirTies access point portfolio. It provides ultra-reliable, unprecedented high speed for the demanding requirements of today's bandwidth-hungry applications. With Triband capability of Air 4971, 5GHz High band will be used for Mesh link backhaul connection and 5GHz low band will be used for client connection. This will allow the clients to connect the device faster

The Air 4971 is designed to support the latest client devices with the super-fast 802.11ax technology for the most latency-sensitive applications, such as 4K video streaming or online gaming.

AirTies Mesh and Cloud Platform

With the real-time adaptability of its mesh AP software, AirTies smart Wi-Fi dynamically establishes the best link between the data source (usually the internet through the operator router or gateway) and each client device.

As Wi-Fi 6 capable smartphones become the norm, demanding higher speeds and performance, the gap widens in capabilities for the growing number of devices within the home. With its advanced steering and channel management techniques, AirTies mesh also ensures the best possible wireless performance for the multitude of legacy wireless devices that compete for airtime.

AirTies Cloud management platform is fully compatible with all AirTies mesh networks. The hybrid cloud-edge architecture is the most cost-effective and responsive way to scale any Wi-Fi deployment and it also allows for accurate customer diagnostics and troubleshooting.

AirTies Client Steering

AirTies' advanced steering technologies maximize device connection speeds and home network capacity. Overall airtime capacity is improved up to 3 times and the performance of each device profile is enhanced through steering to different nodes and Wi-Fi bands/channels. Even sticky client devices ("bad apples") are steered to minimize disruption on the Wi-Fi network.

Advanced Interference Avoidance

With DFS certification, AirTies mesh APs can take advantage of additional DFS channel options, giving even greater flexibility for client steering. This ensures a faster, more fluid Wi-Fi experience for end-users.

AirTies' cloud-based channel planning also offers significant improvements in airtime efficiency as it determines the optimal settings – for each household – based on real-life usage patterns.

Easy Self-Installation by Homeowner

A number of easy installation mechanisms are available, including by QR code scan or by one-touch WPS (Wi-Fi Protected Set-up), both guided by the AirTies Vision app. A zero-touch option can also be arranged through pre-provisioning at the service provider's warehouse or retail store.

Duo packs and trio packs are pre-configured to mesh automatically with each other on installation and additional nodes can be added to the network by simply pressing the WPS button. Any configuration changes, such as a password change on an AirTies AP automatically propagate to the rest of the mesh network.

AirTies mesh ensures the best links are automatically selected for all connections. If one of the devices is placed in a less than optimal position, the flashing LED on the node or the instructions on the AirTies Vision app will warn the home owner.

Ethernet Backhaul Option

Providing wall-to-wall coverage without cables running across the floor, all AirTies mesh devices also support in-wall data cabling as an option, to establish an Ethernet backhaul. This feature gives a major boost to the total airtime capacity, coverage and performance of the home Wi-Fi network.

Main Features

- **All-in-one Solution:** 3600 Mbps triband concurrent (Two 5GHz and 2.4GHz) mesh access point
- **Wireless Connection:** AX3600 wireless mesh unit compliant with Wi-Fi 6 (802.11ax) and legacy standards
- **Backward Compatible:** Compatible with 802.11a/b/g/n/ac wireless standards
- **Remote Management:** Both AirTies Cloud diagnostics & management and support for TR-069, TR-0181.
- **Easy Installation:** Self-setup options for homeowners with WPS button or QR code scanning to securely connect
- **AirTies Mesh Technology:** AirTies mesh circumvents limitations on coverage, robustness and capacity imposed on wireless home networks by the conventional star topology
- **Guest Network** Allows homeowners to grant visitors access to the Internet through their network
- **IPTV-ready:** QoS, IGMP support
- **Advanced Wireless Security:** WPA3, WPA2-PSK, WPA2-802.1x, WPA-PSK, WPA-802.1x
- **Automatic Firmware Upgrade:** Automatic and simultaneous update of firmware upgrade for all deployed AirTies access points; update possible with https or TR-069

Technical Properties

- **Single Multi Color LED:** Indication for Power on/off, Wireless connection, WPS
- **Wireless Standards:** Compliant with IEEE 802.11b, 802.11g, 802.11a, 802.11n, 802.11ac, 802.11ax standards
- **DFS Support:** AirTies mesh is certified for DFS Channel support, provides more options on the frequency spectrum, less-interference channels.
- **Reset Button:** to return to factory settings
- **WPS Button:** for simple setup and secure connection with WPS supported wireless devices
- **Certificates and Standards:** FCC, Wi-Fi Alliance

Design Characteristics

- **Dimensions:** 188mm(H) x 95mm(D) x 88mm(W)
- **Power:** 12V DC 1.5A
- **Adapter Operating Voltage:** 100V-240V AC
- **Operating Temperature:** 0°C ~ 40°C
- **Storage Temperature:** -40°C ~ 70°C
- **Operating Humidity:** 10% ~ 90%