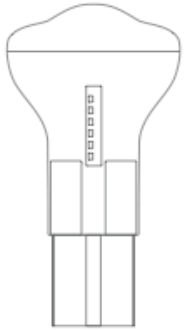
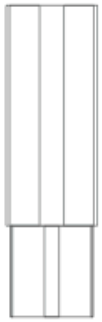
M5G

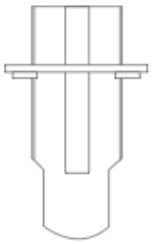
OEM Users Guide



Antenna Feed
1 (Qty.)

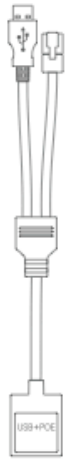


Extender
1 (Qty.)



Feed Support
1 (Qty.)

Feed Support Bushing
1 (Qty.)



USB + POE Adapter
1 (Qty.)

Software Instructions

1. Verify host machine is physically connected to AirGrid device.
2. Configure host system for static IP on the 192.168.1.x subnet.
3. From a web browser access 192.168.1.20 (default AirGrid IP address).
4. When login window appears enter "ubnt" in both the username and password fields.
5. For further operation instructions please visit the support site at www.ubnt.com.

FCC ID: SWX-M5G
IC ID: 6545A-M5G

Ubiquiti Networks, Inc., 91 Tasman Dr, San Jose, CA 95134 USA Website: www.ubnt.com

5 GHz

airMAX

PATNENT PENDING

Default IP: 192.168.1.20
username: ubnt password: ubnt

TECH SPECS

SYSTEM INFORMATION	
Processor Specs	Atheros MIPS 24KC, 400MHz
Memory Information	32MB SDRAM, 8MB Flash
Networking Interface	1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface

REGULATORY / COMPLIANCE INFORMATION	
Wireless Approvals	FCC Part 15.247, IC RS210, CE
RoHS Compliance	YES

OPERATING FREQUENCY 5745MHz-5825MHz

5GHz TX POWER SPECIFICATIONS

	DataRate	Avg. TX	Tolerance
11a	1-24Mbps	20 dBm	+/-2dB
	36Mbps	19 dBm	+/-2dB
	48Mbps	18 dBm	+/-2dB
	54Mbps	16 dBm	+/-2dB
5GHz 11n	MCS0	20 dBm	+/-2dB
	MCS1	20 dBm	+/-2dB
	MCS2	20 dBm	+/-2dB
	MCS3	20 dBm	+/-2dB
	MCS4	19 dBm	+/-2dB
	MCS5	17 dBm	+/-2dB
	MCS6	16 dBm	+/-2dB
	MCS7	15 dBm	+/-2dB

5GHz RX SPECIFICATIONS

	DataRate	Sensitivity	Tolerance
11a	1-24Mbps	-97 dBm min.	+/-2dB
	36Mbps	-80 dBm	+/-2dB
	48Mbps	-77 dBm	+/-2dB
	54Mbps	-75 dBm	+/-2dB
5GHz 11n	MCS0	-96 dBm	+/-2dB
	MCS1	-95 dBm	+/-2dB
	MCS2	-92 dBm	+/-2dB
	MCS3	-90 dBm	+/-2dB
	MCS4	-86 dBm	+/-2dB
	MCS5	-83 dBm	+/-2dB
	MCS6	-77 dBm	+/-2dB
	MCS7	-74 dBm	+/-2dB

PHYSICAL / ELECTRICAL / ENVIRONMENTAL	
Enclosure Size	16cm length x 8cm width x 3cm height
Weight	0.5 kg
Enclosure Characteristics	Outdoor UV Stabalized Plastic
Mounting Kit	Pole Mounting Kit included
Max Power Consumption	3.5 Watts
Power Supply	5V USP+POE Adapter Included
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
Operating Temperature	-30C to 75C
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

COMPLIANCE INFORMATION

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to pro-vide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The antennas used for this transmitter must be installed to provide a separation distance of at least following distance from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

68.6cm distance for the Dish Antenna
136.9cm distance for the Grid Antenna

INDUSTRY CANADA

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

The device has been designed to operate with the antennas listed below and having a maximum gain of 28dBi. Antennas not included in this list or having a gain greater than 28dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms

This device must be professionally installed and is designed strictly for for outdoor point-to-point wireless links.