



M2B

OEM Users Guide



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.

Default IP: 192.168.1.20

username: ubnt password: ubnt

TECHNICAL SPECIFICATIONS

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 2412MHz-2462MHz							
TX POWER SPECIFICATIONS			RX SPECIFICATIONS				
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11g	1-24Mbps	28 dBm	+/-2dB	11g	1-24Mbps	-97 dBm min.	+/-2dB
	36Mbps	27 dBm	+/-2dB		36Mbps	-80 dBm	+/-2dB
	48Mbps	26 dBm	+/-2dB		48Mbps	-77 dBm	+/-2dB
	54Mbps	24 dBm	+/-2dB		54Mbps	-75 dBm	+/-2dB
Airmax 11n	MCS0	28 dBm	+/-2dB	Airmax11n	MCS0	-96 dBm	+/-2dB
	MCS1	28 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	28 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	28 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	27 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	25 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	24 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	23 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	16cm length x 8cm width x 3cm height						
Weight	0.5 kg						
Max Power Consumption	3.5 Watts						
Power Supply	POE up to 24V DC (sold separately)						
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 provide 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.

38cm distance for the Grid Antenna

20cm distance for the Omni Antenna

Highest gains are 24dBi for Grid and 6dBi for Omni 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 24dBi. Antennas not included in this list or having a gain greater than 24dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms

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