



# B5 USER GUIDE



## USER INSTRUCTIONS



1. Launch web browser and type 192.168.1.20 to access NanoStation
2. Enter "UBNT" for both username and password

SYSTEM INFORMATION							
Processor Specs	Atheros AR2313 SOC, MIPS 4KC, 180MHz						
Memory Information	16MB SDRAM, 4MB Flash						
Networking Interface	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						
RADIO OPERATING FREQUENCY 5.745-5.825GHz							
TX SPECIFICATIONS			RX SPECIFICATIONS				
	DataRate	Power	Tolerance		DataRate	Sensitivity	Tolerance
802.11a OFDM	6Mbps	24 dBm	+/-1.5dB	802.11a OFDM	6Mbps	-94 dBm	+/-1.5dB
	9Mbps	24 dBm	+/-1.5dB		9Mbps	-93 dBm	+/-1.5dB
	12Mbps	24 dBm	+/-1.5dB		12Mbps	-91 dBm	+/-1.5dB
	18Mbps	24 dBm	+/-1.5dB		18Mbps	-90 dBm	+/-1.5dB
	24Mbps	26 dBm	+/-1.5dB		24Mbps	-86 dBm	+/-1.5dB
	36Mbps	22 dBm	+/-1.5dB		36Mbps	-83 dBm	+/-1.5dB
	48Mbps	21 dBm	+/-1.5dB		48Mbps	-77 dBm	+/-1.5dB
	54Mbps	19 dBm	+/-1.5dB		54Mbps	-74 dBm	+/-1.5dB
RANGE PERFORMANCE							
Outdoor (BaseStation Antenna Dependent):			Over 10km				
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	26.4 cm x 8 cm x 3cm						
Weight	0.4kg						
Enclosure Characteristics	Outdoor UV Stabalized Plastic						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	5 Watts						
Power Supply	12V, 1A (12 Watts).						
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)						
Operating Temperature	-20C to +70C						
Operating Humidity	5 to 95% Condensing						
Shock and Vibration	ETSI300-019-1.4						
SOFTWARE							
							
visit <a href="http://www.ubnt.com/airos">www.ubnt.com/airos</a>							

# 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 193cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

## 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.