

51 – Mesh

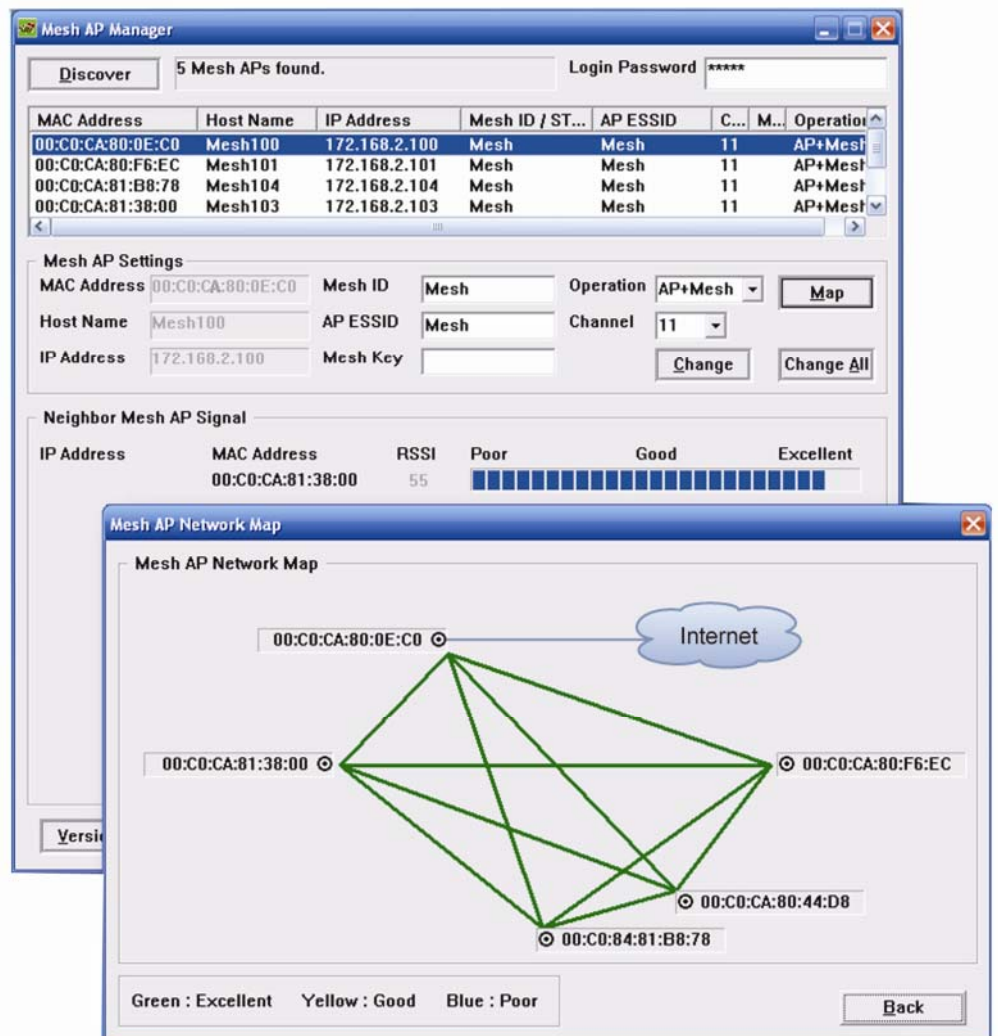
Outdoor Mesh Network

Features



- Cost-Effective
- Easy for Installation
- High Performance
- Auto Connection for Better Signal Route
- Easy to Configure by @MESH AP Manager

* Antenna Sell Separated *



The screenshot displays the Mesh AP Manager software interface. At the top, it shows a 'Discover' button and a status '5 Mesh APs found.' Below this is a table listing the discovered APs:

MAC Address	Host Name	IP Address	Mesh ID / ST...	AP ESSID	C...	M...	Operati...
00:C0:CA:80:0E:C0	Mesh100	172.168.2.100	Mesh	Mesh	11		AP+Mesh
00:C0:CA:80:F6:EC	Mesh101	172.168.2.101	Mesh	Mesh	11		AP+Mesh
00:C0:CA:81:B8:78	Mesh104	172.168.2.104	Mesh	Mesh	11		AP+Mesh
00:C0:CA:81:38:00	Mesh103	172.168.2.103	Mesh	Mesh	11		AP+Mesh

Below the table are sections for 'Mesh AP Settings' (with fields for MAC Address, Host Name, IP Address, Mesh ID, AP ESSID, Mesh Key, Operation, and Channel) and 'Neighbor Mesh AP Signal' (with a table for IP Address, MAC Address, and RSSI, and a signal strength bar).

The 'Mesh AP Network Map' window shows a network diagram with nodes representing APs and their connections. The nodes are labeled with their MAC addresses: 00:C0:CA:80:0E:C0, 00:C0:CA:81:38:00, 00:C0:CA:80:F6:EC, 00:C0:CA:80:44:D8, and 00:C0:84:81:B8:78. A cloud labeled 'Internet' is connected to the top node. A legend at the bottom indicates signal quality: Green : Excellent, Yellow : Good, Blue : Poor.

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Specification

Standards Compliance	IEEE 802.11b/g IEEE 802.3 IEEE 802.3u
SDRAM	32 MB
Flash	8 MB
Radio Frequency Type	DSSS / OFDM
Modulation	IEEE802.11b: CCK, DQPSK, DBPSK IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band	America/FCC: 2.412~2.462 GHz (11 channels) Europe CE/ETSI: 2.412~2.472 GHz (13 channels)
Transmission Power	19dBm±2dBm
Transmission Rate	IEEE 802.11b: 1/ 2/ 5.5/ 11 Mbps IEEE 802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps
Access Point Interfaces	Auto MDI/MMDI-X Ethernet 10/100Base-TX: RJ-45
Sensitivity	IEEE 802.11b: -85dBm @ 11Mbps, PER < 8% IEEE 802.11g: -64dBm @ 54Mbps, PER < 10%
Antenna Type	N-type male for external high gain antenna
Security Systems	64-bit/128-bit WEP encryption; Wi-Fi Protected Access (WPA), WPA-PSK(TKIP/AES), WPA-EAP WPA2-PSK(TKIP/AES), WPA-EAP
Wireless Setting	Operation Mode – AP+Mesh / AP+STA / AP Channel Selection (Setting varies by Country) Adjustable transmit power by 1dBm step
Software/Firmware	Web-based configuration via popular browser (MS IE, Netscape...) Windows “@Mesh” Manager utility Firmware upgrade via Web Reset to default by WebUI TFTP/HTTP download Event Log Support QoS(WMM) Support Time settings
Operating Environment	Operating Temperature: -20 ~ +70°C
Power	DC 18 V, 1A ; AC adapter AC 100V ~ 240V
Network Management System OS Support	Windows 2000/ XP/ Vista
Warranty	One year limited

