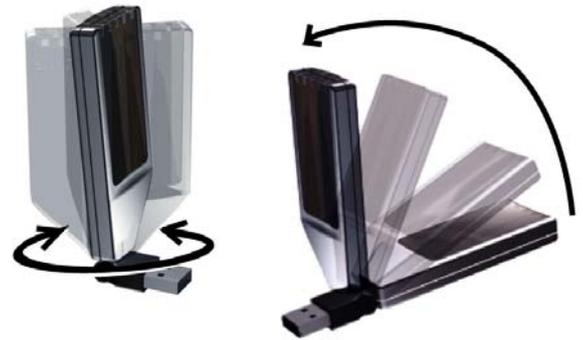


High-Gain 802.11b/g Wireless USB Adapter with Rotatable Connector Design

The **WCU5102** enables you to connect your desktop computer or laptop easily to any 802.11b/g network via a USB connection. With a clever USB connector design, which allows you to swivel and rotate to almost any angle plus the Hi-Gain antenna technology, the **WCU5102** not only provides a highly concentrative capability to have a wireless connection of quality but also extends the wireless connection distance up to three times further! A compact base stand goes with the Wireless LAN USB Adapter is a convenient option for the desktop use. What's even more marvelous is the built-in LED signal strength indicator, which pinpoints the strongest signal available within your wireless LAN! The **WCU5102**, a small and compact wireless device, is definitely the best choice to carry around for enabling the wireless environment!



FEATURES

- Works with both IEEE 802.11b and 802.11g (both at 2.4 GHz) for compatibility & mobility
- Up to 54Mbps wireless data transfer rate
- Support USB 2.0
- Ad-Hoc or Infrastructure mode
- Soft AP feature creates AP (Access Point) function
- Supports Turbo Mode to enhance the data transfer speed within the specific wireless network
- Supports WMM function to meet the multi-media data bandwidth requirement
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 (AES with IEEE 802.1x) functions for high level of security

LED Indicator

- Link: Blue
- Active: Orange
- Signal Strength:
(Weak) 1.Red 2.Orange 3.Yellow 4.Blue 5.Blue (Better)

Power Requirement

- TX consumption: 390mA (Typical) at 5V
- RX consumption: 220mA (Typical) at 5V
- Standby consumption: 95mA(Typical) at 5V

Physical specification

- Weight: 35g
- Dimension: 110mm (L) × 34mm (W) × 11mm (H)

Supported OS

- Windows 98SE/Me/2000/XP

EMI Certification

- FCC Part 15.247 in US
- EN300328 and EN301489-17 in Europe

SPECIFICATION

Standard	IEEE 802.11g and 802.11b
Host Interface	USB 2.0
USB Connector Type	Swivel-and-rotate USB2.0 connector
Antenna Connector	Integral patch antenna
Frequency Range	2.400GHz ~ 2.4835GHz
Operating Frequency / Channel	2.412~2.462GHz (Canada, FCC) / 11 Channels 2.412~2.484GHz (Japan, TELEC) / 14 Channels 2.412~2.472GHz (Euro, ETSI) / 13 Channels
Modulation Technique	Orthogonal frequency division multiplexing (OFDM) Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	64/128bit WEP WPA WPA2 802.1x and 802.11i
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Transmit power	18dBm \pm 2dBm
Data Rate	802.11g - 54, 48, 36, 24, 18, 12, 9 and 6Mbps with auto-rate fall back 802.11b - 11, 5.5, 2, and 1Mbps with auto-rate fall back
Sensitivity	54Mbps: -69dBm 11Mbps: -85dBm
Working Mode	Ad-Hoc Infrastructure
Power Consumption	Continuous transmission mode: 390mA at 5VDC (Typical) Continuous Reception mode: 220mA at 5VDC (Typical)
Operation Temperature	Operating Temperature: 0~55°C ambient temperature Storage Temperature: -20~70°C ambient temperature
Humidity	Operating humidity: 90% maximum (non-condensing) Storage humidity: 90% maximum (non-condensing)
Regulatory Approval	FCC, CE
Dimensions	110mm (L) \times 34mm (W) \times 11mm (H)
LED Indicator	Link: Blue ACTIVE: Orange Signal strength: (Weak) 1.Red 2.Orange 3.Yellow 4.Blue 5.bule (Better)
OS Support	Windows 98SE/Me/2000/XP
Throughput	22Mbps@ 54Mbps 5.5Mbps@ 11Mbps