



## 802.11g Wireless & Bluetooth Combo USB Adapter TBW-103UB

The 54Mbps 802.11g Wireless USB 2.0 & Bluetooth Combo Adapter simultaneously provides Bluetooth and Wi-Fi connections, allowing you to concurrently link to Wi-Fi Internet hotspots and Bluetooth devices. Experience the power of downloading ring tones, iTunes, or digital pictures from a wireless Internet connection and transfer the same files seamlessly into your Bluetooth enabled phone. The external antenna can be adjusted easily to improve signal strength gain and transmission.

### FEATURES Wireless

- Wi-Fi Compliant with IEEE 802.11g and IEEE 802.11b Standards
- Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- Dynamic Data Rate Scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Supports 64/128/256-bit WEP and WPA Encryptions
- Range of 100 meters indoor, 400 meters outdoor (depends on the environment)

### Bluetooth

- Compliant with Bluetooth v1.2 and Class 2 Operation
- Fully Bluetooth v1.2 BQB Qualified
- Compatible with Microsoft HID Devices
- Support up to 7 active and 8 parked slaves
- Bluetooth Range of up to 10 meters

### General

- Uses 2.4 GHz Frequency Band, which Complies with Worldwide Requirements
- Compatible with Windows 2000/XP (SP1/SP2)
- Simple User Setup & Diagnostics Utilities
- 3-Year Warranty

# 802.11g Wireless & Bluetooth Combo USB Adapter

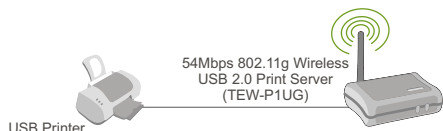
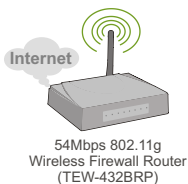
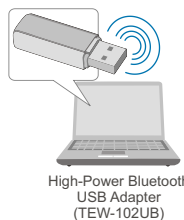
## TBW-103UB

### SPECIFICATIONS

Hardware	
Interface	• USB 2.0, 1.1 Compliant, Bluetooth 1.2 Class 2
Dimensions (LxWxH)	• 100 x 30 x 15 mm (3.9 x 1.2 x 0.6 inches)
Weight	• 32g (1 oz.)
Temperature	• Operating: 0° ~ 60° C (32° ~ 140° F) • Storage: -20° ~ 70° C (-4° ~ 158° F)
Humidity	• 5% ~ 95%max (Non-condensing)
Safety Emissions	• FCC, CE
Wireless	
Module Technique	• 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g: OFDM
Frequency	• 2.412 ~ 2.484 GHz
Data Rate (auto fallback)	• 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
Transmit Power	• 802.11b: 16dBm ± 2dBm; 802.11g: 13dBm ± 2dBm
Receiving Sensitivity	• 802.11b: < -70dBm @PER < 10%, All Rate • 802.11g: < -70dBm @PER < 8%, All Rate
Encryption	• 64/128/256-bit WEP, AES-CCM, and TKIP
Channels	• 1~11 (US), 1~13 (EU)
Bluetooth	
Module Technique	• Gaussian Frequency Shift Keying (GFSK)
Frequency	• 2.400 ~ 2.483.5 GHz
Data Rate	• Up to 723Kbps
Range	• Up to 10 meters
Encryption	• 128-bit Encryption

### NETWORKING SOLUTIONS

#### 802.11g Wireless & Bluetooth Combo USB 2.0 Adapter (TBW-103UB)



— bluetooth — wireless

### PACKAGE CONTENTS

- TBW-103UB
- Utility & Driver CD-ROM
- Multi-Language Quick Installation Guide

### RELATED PRODUCTS

TEW-421PC	54Mbps 802.11g Wireless PC Card
TEW-423PI	54Mbps 802.11g Wireless PCI Adapter
TEW-430APB	54Mbps 802.11g Wireless Access Point

### ORDERING INFORMATION

#### TRENDnet

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 Web: [www.trendnet.com](http://www.trendnet.com)  
 Email: [sales@trendnet.com](mailto:sales@trendnet.com)

To Order Please Call:

**1-888-326-6061**

