

Szyafei BW05

Szyafei USB WiFi Adapter 1300Mbps Dual Band (BW05) Instruction Manual

Model: BW05

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Szyafei 1300Mbps Dual Band USB WiFi Adapter (Model BW05). This device is designed to upgrade your desktop or laptop's wireless capabilities, offering high-speed internet access on both 2.4GHz and 5GHz bands.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Szyafei USB WiFi Adapter (Model BW05)

3. KEY FEATURES

- **High-Speed Wireless Connectivity:** Achieves up to 1300Mbps WiFi speed, with 867Mbps on the 5GHz band and 300Mbps on the 2.4GHz band.
- **Dual-Band Support:** Operates on both 2.4GHz and 5GHz frequencies for flexible and stable connections.
- **USB 3.0 Interface:** Provides data transfer speeds up to 10 times faster than USB 2.0, ensuring efficient performance. Backward compatible with USB 2.0.
- **Dual 2dBi High-Gain Antennas:** Enhances WiFi signal reception and transmission strength. The 180° rotatable design allows for optimal signal acquisition.
- **Driver-Free Installation:** Plug-and-play functionality for compatible Windows operating systems (Windows 7/8/8.1/10/11).
- **Efficient Heat Dissipation:** Designed with bottom heat dissipation holes to maintain stable performance and extend product lifespan.
- **Hotspot Functionality:** Enables your computer to act as a WiFi hotspot, sharing internet access with other devices.





Image: The Szyafei USB WiFi Adapter featuring its dual external antennas and USB 3.0 connector.



Image: Diagram illustrating the dual-frequency (2.4G/5G) and driver-free capabilities of the adapter.



Image: Illustration of the internal chip design emphasizing strong signal stability.

4. SYSTEM REQUIREMENTS

- **Operating System:** Windows 11, Windows 10, Windows 8.1, Windows 8, Windows 7 (32/64-bit versions).
- **USB Port:** Available USB 3.0 port (compatible with USB 2.0, but USB 3.0 is recommended for optimal performance).



Image: Visual representation of compatible Windows operating systems, including Windows XP, 7, 8, 8.1, 10, and 11.

5. SETUP AND INSTALLATION

The Szyafei USB WiFi Adapter is designed for easy, driver-free installation on supported Windows systems. Follow

these steps to set up your adapter:

1. **Insert the Adapter:** Plug the USB WiFi adapter into an available USB port on your desktop or laptop. For best performance, use a USB 3.0 port.
2. **Automatic Driver Installation:** On most Windows operating systems (Windows 7/8/8.1/10/11), the system will automatically detect the adapter and install the necessary drivers. A pop-up might appear indicating the installation process.
3. **Manual Driver Installation (if needed):** If the driver does not install automatically, or if you are using an older Windows version, you may need to install it manually.
 - After inserting the adapter, open "This PC" or "My Computer".
 - Locate and double-click the "CD Drive (E:)" or similar entry labeled "Wireless" or "WiFiAutoInstallSetup".
 - Double-click the "WiFiAutoInstallSetup.exe" file and follow the on-screen prompts to complete the installation.



Image: Step-by-step visual guide for driver installation, showing how to access the virtual CD drive and run the setup file.



Image: The USB WiFi adapter connected to a laptop, illustrating its plug-and-play functionality.

6. OPERATING INSTRUCTIONS

6.1 Connecting to a WiFi Network

Once the adapter is installed, you can connect to a wireless network:

1. **Access Network Settings:** Click the WiFi icon in the lower right corner of your taskbar (Windows).
2. **Select Network:** A list of available wireless networks will appear. Select your desired network (e.g., "ChinaNet-23dy" or "ChinaNet-23dy-5G").
3. **Enter Password:** If prompted, enter the network security key (WiFi password) and click "Connect".
4. **Confirm Connection:** Your computer should now be connected to the WiFi network.

6.2 Using Hotspot Functionality (AP Mode)

The adapter can also function as a WiFi hotspot, allowing other devices to connect to your computer's internet connection:

1. **Enable Hotspot:** Refer to your operating system's network settings to enable "Mobile hotspot" or "AP mode". This is typically found under Network & Internet settings.
2. **Configure Hotspot:** Set a network name (SSID) and password for your hotspot.
3. **Connect Devices:** Other mobile phones or tablets can now search for your computer's hotspot name and connect using the password you set.



Image: Illustration of a laptop using the USB WiFi adapter to create a hotspot, with a smartphone connecting to it.

7. MAINTENANCE

- **Keep Clean:** Regularly clean the adapter with a soft, dry cloth to prevent dust accumulation.
- **Avoid Physical Damage:** Handle the adapter carefully. Avoid dropping it or exposing it to excessive force.
- **Optimal Antenna Positioning:** For best signal, adjust the antennas to an angle of approximately 40-60 degrees.
- **Environmental Conditions:** Store and operate the adapter in a dry environment, away from extreme temperatures and direct sunlight.



Image: Diagram illustrating the signal penetration capabilities and the adjustable nature of the dual high-gain antennas.



Image: Illustration highlighting the heat dissipation design on the bottom of the adapter for stable performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No WiFi networks detected.	<p>Adapter not properly inserted.</p> <p>Drivers not installed correctly.</p> <p>WiFi function disabled on computer.</p>	<p>Ensure the adapter is fully seated in the USB port.</p> <p>Reinstall drivers as per Section 5.</p> <p>Check your computer's WiFi settings to ensure it's enabled.</p>
Slow connection speed.	<p>Connected to 2.4GHz band instead of 5GHz.</p> <p>Weak signal due to distance or obstacles.</p> <p>Interference from other devices.</p>	<p>Try connecting to the 5GHz network if available.</p> <p>Adjust antenna angle (40-60 degrees recommended) or move closer to the router.</p> <p>Minimize interference from other electronics.</p>
Frequent disconnections.	<p>Unstable signal.</p> <p>Outdated router firmware.</p> <p>Power management settings.</p>	<p>Ensure optimal antenna positioning and signal strength.</p> <p>Update your router's firmware.</p> <p>In Device Manager, go to the adapter's properties, then Power Management, and uncheck "Allow the computer to turn off this device to save power."</p>

9. SPECIFICATIONS

Model Number	BW05
Brand	Szyafei
Hardware Interface	USB 3.0
Data Transfer Rate	1300 Mbps (867Mbps on 5GHz, 300Mbps on 2.4GHz)
Data Link Protocol	IEEE 802.11b/g/n/ac
Antennas	Dual 2dBi High-Gain, 180° Rotatable
Compatible Devices	Desktop, Laptop, PC
Operating System Support	Windows 11/10/8.1/8/7 (32/64-bit)
Color	Black
Item Weight	1.44 ounces (0.04 Kilograms)
UPC	739437255638



Image: Diagram illustrating the physical dimensions of the USB WiFi adapter, including its length and width.

10. WARRANTY AND SUPPORT

Szyafei provides a one-year warranty for this product. If you encounter any issues or require assistance, please contact our customer service team. We are committed to providing support for product failures, replacements, or any inquiries you may have regarding your purchase.

For customer service, please refer to the contact information provided with your purchase or visit the official Szyafei website.

