

## Askey FAST 5280

# Askey RAC2V1K 802.11ac Wave 2 Wireless Router User Manual

Model: FAST 5280

## 1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Askey RAC2V1K 802.11ac Wave 2 Wireless Router. This advanced in-home WiFi router delivers internet connectivity, network security, and personalization features. Please read this manual carefully before using the device.

## 2. PACKAGE CONTENTS

Ensure all the following items are included in your package:

- Askey RAC2V1K 802.11ac Wave 2 Wireless Router
- Ethernet Cord
- Power Adapter



Figure 2.1: Contents of the Askey RAC2V1K Router package, including the router unit, an Ethernet cable, and a power

adapter.

### 3. PRODUCT OVERVIEW

---

The Askey RAC2V1K router is designed to provide robust and reliable wireless connectivity for your home or small business. It features:

- Concurrent 2.4 GHz and 5 GHz frequency bands for flexible connectivity.
- 3 to 4 Tx / Rx antennas for each frequency band, supporting up to 4 logical data streams.
- 802.11ac Wave 2 WiFi chipsets for higher processing power and improved performance.
- Industry-standard WPA2 personal security for a secure WiFi network.
- Four Gigabit Ethernet (GigE) LAN ports for wired connections.

This router allows you to personalize your WiFi network name (SSID) and password, pause or resume WiFi access for connected devices, and supports port forwarding for enhanced gaming performance.



Figure 3.1: Rear panel of the Askey RAC2V1K router, displaying the power input, USB port, four Ethernet LAN ports, and one Internet (WAN) port, along with WPS and Reset buttons.

### 4. SETUP

---

Before you begin, ensure you have an active internet connection from your Internet Service Provider (ISP) and a working modem. This router requires a separate modem for internet connectivity.

#### 4.1 Initial Connection Steps

1. **Power Off Devices:** Disconnect the power from your cable modem and the Askey router.
2. **Connect Ethernet Cable:** Connect one end of the provided Ethernet cable to the LAN port on your modem. Connect the other end to the yellow 'Internet' (WAN) port on the back of your Askey router.
3. **Power On Modem:** Reconnect the power to your cable modem. Wait approximately 10-20 seconds for

the modem to fully boot up and establish an internet connection (indicated by stable status lights on the modem).

4. **Power On Router:** Reconnect the power to your Askey router. Wait for the router's indicator lights to stabilize, which typically signifies it has booted up and connected to the modem.
5. **Connect Devices:** You can now connect your devices via Wi-Fi or by plugging an Ethernet cable from your computer into one of the four GigE LAN ports on the router.

## 4.2 Accessing Router Settings

To access the router's configuration interface, open a web browser on a device connected to the router's network and enter the router's default IP address (often 192.168.1.1) into the address bar. You will be prompted for a username and password, which are typically found on a label on the router itself.

## 5. OPERATING INSTRUCTIONS

---

### 5.1 Wi-Fi Connectivity

The router broadcasts two Wi-Fi networks: 2.4 GHz and 5 GHz. The 2.4 GHz band offers wider coverage, while the 5 GHz band provides faster speeds over shorter distances.

- **Connecting Devices:** On your device (smartphone, laptop, etc.), search for available Wi-Fi networks. Select your router's network name (SSID) and enter the Wi-Fi password. Both are usually printed on a label on the router.
- **Personalizing Wi-Fi:** Through the router's web interface, you can change your Wi-Fi network names (SSIDs) and passwords for enhanced security and personalization.

### 5.2 Ethernet Connectivity

For devices requiring a stable, high-speed connection, use the four GigE LAN ports on the back of the router. Connect an Ethernet cable from the device to any of these ports.

### 5.3 WPS (Wi-Fi Protected Setup)

The router supports WPS for easy connection of compatible devices without manually entering the password. Press the WPS button on the router and then activate WPS on your device within two minutes.

## 6. MAINTENANCE

---

To ensure optimal performance and longevity of your router:

- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and other electronic devices that may cause interference.
- **Cleaning:** Keep the router clean and free of dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Ensure the router's ventilation holes are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Firmware updates can improve performance, add features, and fix security vulnerabilities.
- **Rebooting:** If you experience network issues, try rebooting the router by unplugging its power adapter for 10 seconds and then plugging it back in.

## 7. TROUBLESHOOTING

If you encounter problems with your router, refer to the following common issues and solutions:

- **No Internet Connection:**
  - Verify that your modem is working correctly and has an active internet connection.
  - Check all cable connections between the modem and the router, and between the router and your devices.
  - Reboot both your modem and router in the correct sequence (modem first, then router).
  - Ensure the router's WAN/Internet light is on and stable.
- **Weak Wi-Fi Signal or Slow Speeds:**
  - Move closer to the router.
  - Relocate the router to a more central location, away from walls, large appliances, and other sources of interference.
  - Ensure your devices are connecting to the appropriate Wi-Fi band (5 GHz for faster speeds, 2.4 GHz for better range).
  - Reduce the number of active devices on the network.
- **Cannot Access Router Settings:**
  - Ensure your device is connected to the router's network (either Wi-Fi or Ethernet).
  - Verify you are using the correct IP address (e.g., 192.168.1.1) and login credentials.
  - Try clearing your browser's cache or using a different browser.
  - If you have forgotten your password, you may need to perform a factory reset (see below).
- **Factory Reset:**
  - If all else fails, you can perform a factory reset. Locate the small 'Reset' button on the back of the router (often recessed). With the router powered on, use a paperclip or similar pointed object to press and hold the reset button for about 10-15 seconds until the lights on the router flash or change. This will restore the router to its default factory settings, including Wi-Fi name and password. You will need to reconfigure your settings after a factory reset.

## 8. SPECIFICATIONS







Feature	Description
Model Name	FAST 5280
Wireless Standard	802.11ac Wave 2
Frequency Bands	Dual-Band (2.4 GHz, 5 GHz)
Ethernet Ports	4 x GigE LAN ports, 1 x WAN port
Security	WPA2 Personal, Firewall, VPN support
Special Features	WPS
Dimensions	10 x 5.5 x 4.5 inches

Item Weight	2 pounds
Connectivity Technology	Wi-Fi, Ethernet

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Askey website. Support resources typically include FAQs, troubleshooting guides, and contact information for customer service.

### Related Documents - FAST 5280

	<p><a href="#">Askey NCM2000B2-D299 5G Home Router Quick Start Guide</a></p> <p>A quick start guide for setting up the Askey NCM2000B2-D299 5G Home Router, covering package contents, indicators, connectors, hardware setup, GUI login, and firmware updates.</p>
	<p><a href="#">How to Change WiFi Password and SSID for Askey Mesh AP</a></p> <p>Step-by-step guide to changing the WiFi password and SSID for Askey Mesh AP devices using the Askey mobile app. Includes instructions for unlocking and reconfiguring network credentials.</p>
	<p><a href="#">Askey APM7210 Safety Information Guide - Compliance and Usage Instructions</a></p> <p>Comprehensive safety information, compliance details, and usage guidelines for the Askey APM7210 device, including FCC regulations and maintenance tips.</p>
	<p><a href="#">Askey NDQ2300 5G USB Dongle Quick Start Guide</a></p> <p>A quick start guide for the Askey NDQ2300 5G USB Dongle, covering product overview, SIM card insertion, setup instructions, and LED indicators.</p>
	<p><a href="#">Askey 5G NR Small Cell SA Mode Admin Website User Guide</a></p> <p>User guide for the Askey 5G NR Small Cell SA Mode Admin Website, detailing access, configuration, and support utilities.</p>
	<p><a href="#">Askey STI625X Wi-Fi and Bluetooth Module User Manual</a></p> <p>Technical specifications, features, RF parameters, pin definitions, and compliance information for the Askey STI625X Wi-Fi and Bluetooth functionalities module.</p>

