

Kymate RPC-M4147-U

Kymate PMKN4147A USB Programming Cable User Manual

For Motorola MotoTRBO Radios

1. INTRODUCTION

The Kymate PMKN4147A USB Programming Cable is an essential accessory for programming various Motorola MotoTRBO series radios. This cable provides a reliable USB connection between your computer and your radio, enabling you to update firmware, configure settings, and manage channels using compatible programming software. This manual will guide you through the installation, operation, and maintenance of your programming cable.

2. PRODUCT FEATURES

- **USB Port Version:** Designed for modern computers with USB connectivity.
- **High-Quality Construction:** Features a durable PU cable with a length of 1 meter (3.3 feet) for reliable performance.
- **Wide Operating System Compatibility:** Supports 32-bit and 64-bit operating systems including Windows 2000, Windows XP, Server 2003, Vista, Server 2008, Windows 7, Windows 8, Windows 10, and Mac OS.
- **Tangle-Free Design:** Engineered to resist tangling for ease of use and storage.

3. PACKAGE CONTENTS

Upon opening your package, please verify that all items are present and in good condition:

- 1 x Kymate PMKN4147A USB Programming Cable
- 1 x CD with USB Driver

*Note: Programming software for your radio is **not included** with this cable and must be obtained separately from Motorola or an authorized dealer.*

4. COMPATIBLE RADIO MODELS

This programming cable is compatible with a wide range of Motorola MotoTRBO radio models, including but not

limited to:

- CM200D, CM300D
- DEM400
- DM1000, DM1400, DM1600, DM2000, DM2400, DM2600
- XPR2500
- XiR M3188, M3688, M3988
- M6600, M6620, M6660

5. SETUP AND INSTALLATION

Follow these steps to set up your Kymate PMKN4147A USB Programming Cable:

1. Install USB Driver:

- Insert the provided driver CD into your computer's CD/DVD drive.
- Locate and run the driver installation executable.
- Follow the on-screen prompts to complete the driver installation. It is recommended to restart your computer after installation if prompted.
- Alternatively, if your computer does not have a CD drive, you may need to download the latest drivers from the manufacturer's support website (if available).

2. Connect the Cable to Your Computer:

- Plug the USB Type-A connector of the programming cable into an available USB port on your computer.
- Your operating system should recognize the new hardware and confirm that the driver is installed correctly.

3. Connect the Cable to Your Radio:

- Locate the programming port on your Motorola MotoTRBO radio. This is typically an RJ45 (Ethernet-style) port.
- Carefully insert the RJ45 connector of the programming cable into the radio's programming port until it clicks into place.



Figure 1: The Kymate PMKN4147A USB Programming Cable, showing both the USB and RJ45 connectors.



Figure 2: A close-up view of the RJ45 connector, which connects to the Motorola radio's programming port.

6. OPERATING INSTRUCTIONS

Once the cable is connected and drivers are installed, you can proceed with programming your radio:

1. **Launch Programming Software:** Open the specific Motorola radio programming software (e.g., CPS - Customer Programming Software) on your computer.
2. **Select Communication Port:** Within the software, navigate to the communication settings or port selection menu. Select the COM port that corresponds to your newly installed USB programming cable. This port number can usually be found in your computer's Device Manager under 'Ports (COM & LPT)'.
3. **Read/Write Radio Data:** Follow the instructions within your radio's programming software to read data from the radio, modify settings, and then write the updated data back to the radio.
4. **Disconnect Safely:** After programming is complete, ensure the software indicates a successful operation. Close the programming software before disconnecting the cable from both the radio and the computer.

7. MAINTENANCE

To ensure the longevity and optimal performance of your programming cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable, especially near the connectors. Always grasp the connector housing when plugging or unplugging.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the cable for any signs of damage, such as frayed wires, cracked insulation, or bent connector pins. Do not use a damaged cable.

8. TROUBLESHOOTING

If you encounter issues while using your programming cable, consider the following troubleshooting steps:

- **Cable Not Recognized by Computer:**

- Ensure the USB driver is correctly installed. Check Device Manager for any yellow exclamation marks next to the COM port.
- Try plugging the cable into a different USB port on your computer.
- Restart your computer.
- Reinstall the USB driver from the provided CD or manufacturer's website.

- **Programming Software Cannot Detect Radio:**

- Verify that the correct COM port is selected in your programming software.
- Ensure the radio is powered on and fully connected to the cable.
- Confirm that you are using the correct programming software version for your specific radio model.
- Check the radio's settings; some radios may require a specific mode for programming.

- **Slow or Intermittent Connection:**

- Avoid using USB hubs; connect the cable directly to a computer's USB port.
- Ensure no other applications are heavily utilizing USB bandwidth.
- Check for physical damage to the cable or connectors.

If issues persist, consult the documentation for your specific radio model and programming software, or contact Kymate customer support.

9. SPECIFICATIONS

Attribute	Value
Model Number	RPC-M4147-U (PMKN4147A)
Brand	Kymate
Cable Type	USB Programming Cable
Connector Type (Computer)	USB Type A
Connector Type (Radio)	RJ45 (8-pin)
Cable Length	1 Meter (3.3 feet)
Operating System Compatibility	Windows 2000, XP, Server 2003, Vista, Server 2008, WIN7, WIN8, WIN10, Mac OS (32/64-bit)
Special Feature	Tangle Free
Package Dimensions	6.65 x 5.67 x 0.71 inches
Item Weight	2.08 ounces

10. WARRANTY AND SUPPORT

Kymate products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or contact your retailer. For technical support or inquiries regarding the PMKN4147A USB Programming Cable, please reach out to Kymate customer service through their official channels

or the point of purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question