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Kymate RPC-KM8-U

Kymate USB Programming Cable KPG-46U (Model RPC-KM8-U) Instruction Manual

For Kenwood Mobile Radios

1. Introduction

This manual provides instructions for the Kymate KPG-46U USB Programming Cable, designed for programming various Kenwood mobile radios. This cable facilitates communication between your computer and the radio for software-based configuration. Please read this manual thoroughly before use.

2. Package Contents

- 1 x Kymate USB Programming Cable (KPG-46U)
- 1 x CD with USB Driver Software

3. Compatible Kenwood Mobile Radio Models

The Kymate KPG-46U USB Programming Cable is compatible with a wide range of Kenwood mobile radios that utilize an 8-pin RJ45 connector for programming. Compatible models include, but are not limited to, the following series:

- **NX Series:** NX-700E, NX-700HK, NX-700K, NXB-710, NX-800E, NX-800HK, NX-800HK2, NX-800K, NX-800K2, NXB-810, NXR-800K3, NXR-7100, NXR-810, NX-5700, NX-5800, NX-5900
- **TK Series:** TK-760, TK-760G, TK-762, TK-762G, TK-763, TK-763G, TK-768, TK-768G, TK-780, TK-780G, TK-785, TK-868, TK-868G, TK-880, TK-880G, TK-885, TK-980, TK-981, TK-6110, TK-7100, TK-7100H, TK-7102H, TK-7150, TK-7160, TK-7160E, TK-7160HM, TK-7160M, TK-7162E, TK-7180, TK-7180E, TK-7189, TK-7189E, TK-7302E, TK-7302HM, TK-7302M, TK-8100, TK-8100H, TK-8102H, TK-8150, TK-8160, TK-8160E, TK-8160HM, TK-8160M, TK-8162E, TK-8180, TK-8180E, TK-8189, TK-8189E, TK-8302, TK-8302E, TK-8302HK2, TK-8302M, TK-90, TK-D840, TK-7360, TK-7102, TK-8102
- **TKR Series:** TKB-751, TKB-851, TKR-720, TKR-730, TKR-740, TKR-750, TKR-750E (Version 2), TKR-751E, TKR-820, TKR-830, TKR-850, TKR-850E (Version 2), TKR-851E, TKR-7500, TKR-8400
- **TM Series:** TM-261A, TM-271A, TM-271E, TM-461A, TM-471A

4. Setup Instructions

4.1 Driver Installation

1. Insert the included driver CD into your computer's CD/DVD drive.
2. Navigate to the CD's contents and locate the driver installation file (e.g., `setup.exe` or a folder containing drivers for your operating system).
3. Run the installer and follow the on-screen prompts to complete the driver installation. Ensure you install the correct driver for your operating system (Windows 2000, XP, Server 2003, Vista, Server 2008, WIN7, WIN8, WIN10, or Mac).
4. Restart your computer if prompted after installation.

4.2 Connecting the Cable

1. Locate the USB port on your computer.
2. Connect the USB end of the programming cable to an available USB port on your computer.



Figure 1: USB connector of the programming cable. This end connects to your computer's USB port.

3. Locate the 8-pin RJ45 programming port on your Kenwood mobile radio. This port is typically found on the front or rear panel of the radio.
4. Connect the RJ45 end of the programming cable to the radio's programming port. Ensure a secure connection.



Figure 2: RJ45 8-pin connector of the programming cable. This end connects to your Kenwood mobile radio.

5. Operating Instructions

Once the drivers are installed and the cable is connected to both your computer and the radio, you can proceed with programming using the appropriate Kenwood programming software (not included with this cable).

1. Ensure your Kenwood mobile radio is powered on.
2. Launch the specific Kenwood programming software for your radio model on your computer.
3. Within the software, select the correct Communication Port (COM port) that corresponds to the installed USB driver. This can usually be found in your computer's Device Manager under 'Ports (COM & LPT)'.
4. Follow the instructions within the Kenwood programming software to read from or write to your radio.

Note: *This cable provides the hardware connection. The actual programming process is managed by the Kenwood radio programming software, which must be obtained separately from Kenwood or an authorized dealer.*

6. Maintenance

To ensure the longevity and proper function of your Kymate USB Programming Cable, follow these maintenance guidelines:

- Store the cable in a clean, dry environment when not in use.
- Avoid excessive bending or kinking of the cable to prevent internal wire damage.
- Do not expose the cable to extreme temperatures or direct sunlight for prolonged periods.
- Clean the connectors periodically with a dry, lint-free cloth to remove dust or debris.

- The cable is designed to be tangle-free; however, proper coiling after use will help maintain its condition.

7. Troubleshooting

7.1 Cable Not Recognized by Computer

- **Check Driver Installation:** Verify that the USB drivers were installed correctly. Reinstall if necessary.
- **Try Different USB Port:** Connect the cable to another USB port on your computer.
- **Restart Computer:** A system restart can often resolve recognition issues.
- **Check Device Manager (Windows):** Open Device Manager and look under 'Ports (COM & LPT)' for the cable. If there's an exclamation mark, the driver may be faulty or missing.

7.2 Programming Software Cannot Communicate with Radio

- **Verify COM Port:** Ensure the correct COM port is selected in the programming software.
- **Radio Power:** Confirm the radio is powered on.
- **Secure Connections:** Check that both the USB and RJ45 connectors are firmly seated.
- **Correct Software:** Ensure you are using the correct programming software version for your specific Kenwood radio model.
- **Radio Settings:** Some radios may require specific settings (e.g., programming mode) to be enabled before connection. Refer to your radio's manual.

8. Specifications

Feature	Specification
Model	RPC-KM8-U
Brand	Kymate
Connector Type	RJ45 (8-pin), USB
Cable Type	USB
Cable Length	1 meter
Operating System Compatibility	Windows 2000, XP, Server 2003, Vista, Server 2008, WIN7, WIN8, WIN10, Mac
Special Feature	Tangle-Free design
Color	Black
Item Weight	0.05 kg

9. Warranty Information

For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your seller directly. Kymate products are typically covered by a manufacturer's warranty against defects in materials and workmanship.

10. Support

If you encounter issues that cannot be resolved using the troubleshooting steps in this manual, or for further assistance, please contact the seller or Kymate customer support. Provide your product model (RPC-KM8-U) and a detailed description of the problem for efficient support.
For additional resources, you may also visit the official Kymate website or consult Kenwood's support channels for radio-specific programming guidance.

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