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> Mendouconert USB Programming Cable User Manual for Tait TM8000, TM8100, TM8200, TM9100, TM9300

Mendouconert TM8000, TM8100, TM8200, TM9100, TM9300

Mendouconert USB Programming Cable User Manual

FOR TAIT TM8000, TM8100, TM8200, TM9100, TM9300 RADIOS

1. Introduction

This manual provides instructions for the proper setup, operation, and maintenance of your Mendouconert USB Programming Cable. This cable is designed to facilitate communication between a computer and compatible Tait radios, specifically the TM8000, TM8100, TM8200, TM9100, and TM9300 series, for programming purposes. It features an internal FTDI FT232RL chip for reliable virtual COM port functionality.

2. Package Contents

- 1 x Mendouconert USB Programming Cable (1.8 meters / 6 feet)

3. Setup

3.1 Driver Installation

The Mendouconert USB Programming Cable requires Virtual COM Port (VCP) drivers to function correctly. These drivers enable your computer to recognize the USB cable as a standard serial COM port.

1. **Download Drivers:** Visit the official FTDI website to download the latest VCP drivers compatible with your operating system. A comprehensive list of supported OS versions can be found at: <https://ftdichip.com/drivers/>
2. **Installation Guide:** Refer to the detailed installation guides provided by FTDI for specific instructions on how to install the drivers for your operating system: <https://ftdichip.com/document/installation-guides/>
3. **Verify Installation:** After installation, connect the USB cable to your computer. Open your computer's Device Manager (Windows) or equivalent system information utility (macOS/Linux) and verify that a new COM port is listed under 'Ports (COM & LPT)' or similar category.

3.2 Physical Connection

1. **Connect to Computer:** Plug the USB-A connector of the programming cable into an available USB port on your computer.

2. **Connect to Radio:** Plug the RJ45 (8P8C) connector of the programming cable into the designated programming port on your Tait TM8000, TM8100, TM8200, TM9100, or TM9300 series radio. Ensure a secure connection.



Figure 1: Close-up of the USB-A and RJ45 connectors on the programming cable.

4. Operating Instructions

Once the drivers are installed and the cable is physically connected, your computer will recognize the cable as a virtual COM port. You can then use your radio's specific programming software to communicate with the Tait radio.

1. **Launch Programming Software:** Open the Tait radio programming software on your computer.
2. **Select COM Port:** Within the software's settings or preferences, locate the option to select the communication port. Choose the COM port number that corresponds to the Mendouconert USB Programming Cable (as identified in Device Manager).
3. **Establish Connection:** Follow the software's instructions to establish a connection with the radio. This typically involves reading the radio's current configuration or preparing to write a new configuration.

4. **Program Radio:** Proceed with programming your radio according to the instructions provided by the Tait radio programming software.



Figure 2: The Mendouconert USB Programming Cable in its entirety.

5. Maintenance

To ensure the longevity and proper functioning of your programming cable, follow these simple maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid kinking, bending, or pulling the cable excessively. Always grasp the connectors 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 materials.
- **Inspection:** Periodically inspect the cable for any signs of damage, such as frayed wires or bent connector pins. Discontinue use if damage is observed.

6. Troubleshooting

- **Cable Not Recognized:**
 - Ensure drivers are correctly installed. Refer to Section 3.1.
 - Try a different USB port on your computer.
 - Restart your computer after driver installation.
- **Programming Errors:**
 - Verify that the correct COM port is selected in your radio programming software.
 - Ensure the radio is powered on and properly connected to the cable.
 - Confirm that you are using the correct programming software version for your specific Tait radio model.
 - The cable contains an FTDI FT232RNL chip as specified. If experiencing issues, ensure your radio model is compatible with this type of programming interface.
- **Intermittent Connection:**
 - Check for loose connections at both the computer and radio ends.
 - Inspect the cable for physical damage.

7. Specifications

Product Name	Mendouconert USB Programming Cable
Compatible Radios	Tait TM8000, TM8100, TM8200, TM9100, TM9300
Cable Length	1.8 meters (6 feet)
Internal Chip	FTDI FT232RNL
Connectors	USB-A to RJ45 (8P8C)
Supported Operating Systems	Windows 11, 10, 8.1, 8, Vista, 7, XP; Linux; Mac OS
Function	Data Transfer for Radio Programming

8. Support

For further assistance or inquiries regarding your Mendouconert USB Programming Cable, please contact the manufacturer or your point of purchase. Ensure you have your product details and a description of the issue ready to facilitate support.

