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PNI PSR2030

PNI PSR230 Programming Cable User Manual

For PMR R10, R20, R30, R40, R45, and CB HP 82 Radio Stations

Introduction

The PNI PSR230 programming cable is an essential accessory for customizing your compatible PNI radio stations. This cable, combined with the dedicated software, allows users to fine-tune various operational parameters of their radio, ensuring optimal performance and personalized settings. This manual provides instructions for setting up and using your programming cable. The software included with this cable enables detailed customization of individual channel parameters. These include, but are not limited to, transmission power, operating frequency, CTCSS/DCS codes, activation or deactivation of the Scan function, and adjustment of Squelch (SQ) and Voice Operated Exchange (VOX) levels.

Setup Instructions

1. Package Contents

- PNI PSR230 Programming Cable
- Software CD (or download link)

2. Software and Driver Installation

Before connecting the programming cable, install the necessary software and drivers on your computer. The software is typically provided on a CD included in the package. If your computer does not have a CD drive, or for the latest version, you can download the software and drivers from the official PNI website using the provided QR code or URL.
Download Link: http://docs.pni.ro/PNI-PSR230/software.rar

1. Insert the software CD into your computer's CD-ROM drive or download the software package from the provided link.
2. Locate and run the installer file (e.g., setup.exe).
3. Follow the on-screen prompts to complete the installation of both the programming software and the required USB drivers. It is crucial to install the drivers for the cable to be recognized by your computer.
4. Restart your computer if prompted after installation.

3. Connecting the Cable

Once the software and drivers are installed, connect the programming cable:

1. Connect the USB end of the PNI PSR230 programming cable to an available USB port on your computer.
2. Connect the dual-jack end of the programming cable to the dedicated programming port on your compatible PNI radio station. Ensure the jacks are fully inserted for a secure connection.



Image: The PNI PSR230 programming cable, showing its USB connector on one end and the dual-jack audio-style connector on the other, used for connecting to radio devices.



Image: A close-up view of the dual-jack connector of the PNI programming cable properly inserted into the side port of a PNI radio, ready for data transfer.

Operating Instructions

1. Launching the Software

After connecting the cable and ensuring your radio is powered on:

1. Launch the PNI programming software from your computer's Start Menu or desktop shortcut.
2. Within the software, select the correct COM port that corresponds to your programming cable. This is usually found in the software's 'Settings' or 'Port' menu. If unsure, check your computer's Device Manager for 'Ports (COM & LPT)' to identify the USB Serial Port.

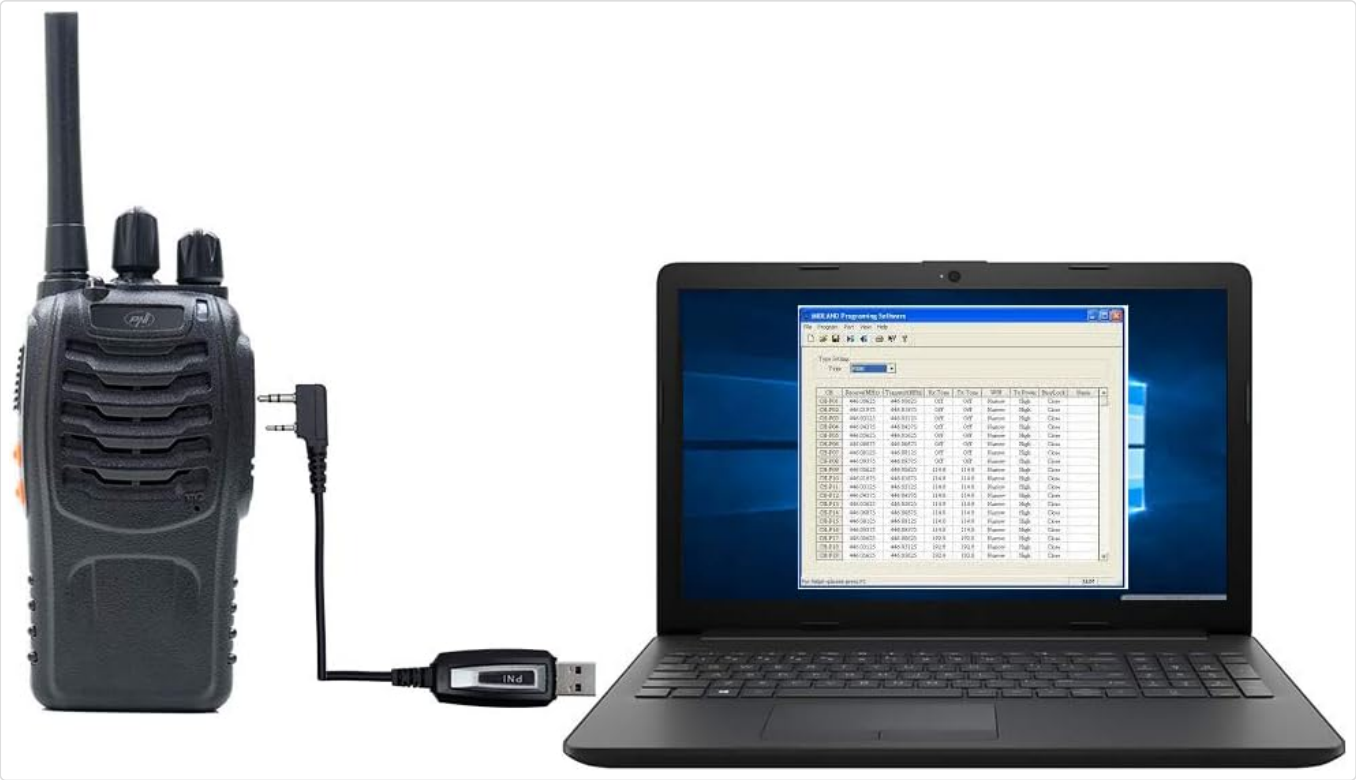


Image: A PNI radio connected to a laptop via the programming cable, with the programming software interface displayed on the laptop screen, showing channel settings.

2. Reading Radio Data

To retrieve the current settings from your radio:

- In the programming software, navigate to the 'Read from Radio' or 'Download' option.
- Click to initiate the data transfer. The software will display the radio's current configuration.

3. Customizing Parameters

The software provides a user interface to modify various settings:

- **Channel Settings:** Adjust frequencies for each channel (e.g., 136-174 MHz, 400-470 MHz).
- **CTCSS/DCS Codes:** Set Continuous Tone-Coded Squelch System (CTCSS) or Digital-Coded Squelch (DCS) for privacy and interference reduction.
- **Transmission Power:** Modify the output power level (High/Low).
- **Scan Function:** Enable or disable channel scanning.
- **Squelch (SQ) Level:** Adjust the squelch threshold to filter out weak signals or noise.
- **VOX (Voice Operated Exchange) Level:** Configure voice activation sensitivity for hands-free operation.
- Explore other available settings within the software interface as needed.

4. Writing Data to Radio

After making all desired changes:

- Save your configuration within the software.
- Navigate to the 'Write to Radio' or 'Upload' option.
- Click to transfer the new settings to your radio. Do not disconnect the cable or power off the radio during this process.
- Once the transfer is complete, disconnect the cable. Your radio is now programmed with the new settings.

Maintenance

To ensure the longevity and proper functioning of your PNI PSR230 programming cable:

- Store the cable in a clean, dry environment when not in use.
- Avoid bending or kinking the cable excessively, especially near the connectors, to prevent internal wire damage.
- Keep connectors free from dust and debris. Use a soft, dry cloth to clean them if necessary.
- Although the product specifications mention "water-resistant," avoid exposing the cable to moisture or liquids to prevent damage to the electronic components within the USB housing.
- Do not attempt to disassemble or repair the cable yourself. Contact support for assistance if it malfunctions.

Troubleshooting

Problem	Possible Cause	Solution
Cable not recognized by computer	Missing or incorrect drivers; Faulty USB port; Loose connection.	Ensure drivers are correctly installed (refer to Setup). Try a different USB port. Reconnect the cable firmly. Check Device Manager for driver status.
Software cannot communicate with radio	Incorrect COM port selected; Radio not powered on; Cable not fully connected to radio.	Verify the correct COM port is selected in the software. Ensure the radio is powered on. Check that the dual-jack connector is fully inserted into the radio's port.
Programming fails or errors occur	Interference; Outdated software/firmware; Corrupted data.	Ensure no other applications are interfering. Try updating the programming software from the PNI website. Re-read data from the radio before attempting to write.
Software is in a foreign language (e.g., Chinese)	Language setting issue; Older software version.	Look for a language selection option within the software's menus (often an icon resembling a globe or flag). If not found, download the latest English version of the software from the official PNI website.

Specifications

- **Brand:** PNI
- **Model Number:** PNI PSR2030
- **Color:** Black
- **Compatible Devices:** PNI PMR R10, R20, R30, R40, R45, and CB HP 82 Radio Stations
- **Special Features:** Water-resistant (Note: This feature typically applies to the radio, not the cable itself. Exercise caution with moisture.)
- **Item Weight:** 37 Grams
- **Included Components:** Programming Cable, Software CD (or download link)
- **Manufacturer:** ONLINESHOP SRL
- **Country of Origin:** China
- **Date First Available:** May 4, 2022

Warranty Information

This PNI PSR230 Programming Cable comes with a manufacturer's warranty of 12 months. Please retain your proof of purchase for any warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Support

For technical assistance, software updates, or further inquiries regarding your PNI PSR230 Programming Cable, please refer to the following resources:

- **Software Download:** http://docs.pni.ro/PNI-PSR230/software.rar
- **Manufacturer:** ONLINESHOP SRL
- **Product Identification:** The product label on the packaging includes a barcode (e.g., 5949066516337) for identification.



Image: The PNI PSR230 programming cable sealed in its clear plastic packaging, featuring a label with multilingual instructions and a QR code for downloading the programming software and drivers.



Image: The PNI PSR230 programming cable in its clear plastic bag, displaying a product label with a barcode (5949066516337) and manufacturing information.

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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.

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