

## PeakTech P 9020

# PeakTech P 9020 Digital DVB Measurement Device User Manual

Model: P 9020 | Brand: PeakTech

## INTRODUCTION

This user manual provides comprehensive instructions for the operation, setup, maintenance, and troubleshooting of your PeakTech P 9020 Digital DVB Measurement Device. Please read this manual carefully before using the device to ensure proper functionality and safety.

The PeakTech P 9020 is a versatile digital DVB measurement device designed for signal searches in cable, satellite, and terrestrial television systems. It features a TFT color display, a graphical user interface for easy navigation, and supports various DVB standards including DVB-C, DVB-S, S2, DVB-T, and T2 with H.265 codec support.

## PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

- PeakTech P 9020 Digital DVB Measurement Device
- Metal Carrying Case
- AC Power Adapter
- Integrated Lithium-Ion Battery (pre-installed)
- 12V Car Adapter
- Windows Software CD/Download Link (if applicable)
- Remote Control
- Video Cable
- Shoulder Strap



Figure 1: PeakTech P 9020 device shown with its complete set of accessories, including the carrying case, power adapters, remote control, and cables.

## DEVICE OVERVIEW

The PeakTech P 9020 features a robust design with a clear TFT color display and intuitive controls. Familiarize yourself with the main components:



Figure 2: Front view of the PeakTech P 9020, highlighting the TFT color display, control buttons, and input ports.

## Key Components:

- **TFT Color Display:** 12.5 cm (approx. 5 inches) screen for live TV, audio, and menu navigation.
- **Control Panel:** Buttons for menu navigation, function selection (F1, F2), signal search (FIND), exit (EXIT), and OK.
- **Input Ports:** Connectors for DVB-S/S2, DVB-C, DVB-T/T2 signals.
- **HDMI Output:** For connecting to an external display.
- **USB Port:** For software updates and data transfer.
- **Power Input:** For AC adapter or 12V car adapter.

## SETUP

### 1. Charging the Battery:

Before first use, fully charge the integrated lithium-ion battery. Connect the AC power adapter to the device's power input and plug it into a wall outlet. The charging indicator will illuminate. A full charge typically takes several hours.

### 2. Initial Power On:

Press and hold the power button (usually red) on the device until the screen illuminates. The device will boot up and display the main menu.

### 3. Language and Region Settings:

Navigate to the "Settings" menu using the directional buttons and OK button. Select "Language" to choose your preferred language. Then, configure region-specific settings for DVB-T/T2 or DVB-C if prompted.

## OPERATING INSTRUCTIONS

### 1. Selecting DVB Mode:

From the main menu, select the desired DVB mode (DVB-S/S2 for satellite, DVB-C for cable, or DVB-T/T2 for terrestrial) using the navigation buttons. Press OK to confirm.



Figure 3: Examples of the graphical user interface on the PeakTech P 9020, displaying menu options and signal measurement data.

### 2. Signal Search (DVB-S/S2):

1. Connect the satellite dish LNB cable to the device's satellite input.
2. In the DVB-S/S2 menu, configure LNB settings (e.g., LNB type, frequency).
3. Select a satellite from the predefined list or manually enter transponder details.
4. Press the "FIND" button to initiate a signal search. The device will display signal strength and quality. Adjust the dish alignment until optimal signal levels are achieved.
5. Use the spectrum analyzer function to visualize signal characteristics.

### 3. Signal Search (DVB-T/T2 and DVB-C):

1. Connect the terrestrial antenna or cable TV line to the appropriate input.
2. In the DVB-T/T2 or DVB-C menu, select the desired channel or frequency range.
3. Press "FIND" to scan for available signals. The device will display signal strength, quality, and identify channels.

### 4. Live TV and Audio:

Once a signal is locked, the device can display live TV channels and play audio directly on its screen, allowing for real-time verification of signal quality and content.

## 5. Using the Remote Control:

The included remote control provides convenient access to most functions, including menu navigation, volume control, and channel selection. Ensure the remote's batteries are installed correctly.

## MAINTENANCE

### Cleaning:

Wipe the device with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners or solvents. Keep the screen clean to ensure clear visibility.

### Battery Care:

To prolong battery life, avoid fully discharging the lithium-ion battery frequently. Store the device in a cool, dry place when not in use for extended periods. Recharge the battery periodically if stored for a long time.

### Software Updates:

Periodically check the PeakTech website for firmware updates. Updates can improve performance, add new features, or fix bugs. Use the provided Windows software and USB cable to perform updates as per the instructions on the PeakTech website.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged or power adapter is not connected.	Charge the battery using the AC adapter. Ensure the power button is pressed firmly.
No signal detected.	Incorrect DVB mode selected, cable not connected properly, or antenna/dish misalignment.	Verify DVB mode. Check all cable connections. Adjust antenna/dish alignment. Check LNB settings for satellite.
Poor signal quality.	Weak signal, interference, or incorrect settings.	Fine-tune antenna/dish position. Check for obstructions. Ensure correct transponder/channel settings.
Remote control not working.	Dead batteries or line of sight obstruction.	Replace remote control batteries. Ensure no objects are blocking the infrared signal path.

## SPECIFICATIONS

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- **Model:** P 9020
- **Display:** 12.5 cm (5 inch) TFT Color Display
- **Supported DVB Standards:** DVB-S/S2, DVB-C, DVB-T/T2
- **Video Decoding:** H.265 (HEVC) compatible
- **Processor:** 450 MHz
- **SDRAM:** 256 MByte
- **Demodulation:** 16QAM - 256 QAM, QPSK / 8PSK
- **Connectivity:** HDMI, USB
- **Battery:** Integrated Lithium-Ion Battery
- **Power Input:** AC Adapter, 12V Car Adapter
- **Dimensions:** 13 x 20 x 5 cm (approx. 5.1 x 7.9 x 2 inches)
- **Weight:** 800 g (approx. 1.76 lbs)

## WARRANTY AND SUPPORT

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PeakTech products are manufactured with high quality standards. For information regarding warranty coverage, technical support, or service, please refer to the official PeakTech website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

**Official Website:** [www.peaktech.de](http://www.peaktech.de)

For further assistance, please contact your local distributor or the PeakTech support team.

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### [PeakTech 9020A DVB-Tester Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für den PeakTech 9020A DVB-Tester. Dieses digitale Messgerät unterstützt DVB-S/S2, DVB-T/T2 und DVB-C/C2 Signale und bietet Funktionen wie Spektrumanalyse, Kanalverwaltung und PVR für Satelliteninstallation und -wartung.



### [Manual de Uso Analizador de Red PeakTech 2510](#)

Manual de usuario completo para el Analizador de Red PeakTech 2510, detallando características, especificaciones, precauciones de seguridad, procedimientos de medición, mantenimiento y especificaciones técnicas.



### [PeakTech 5175 Digital Sound Level Meter Operation Manual](#)

Comprehensive operation manual for the PeakTech 5175 Digital Sound Level Meter, detailing safety instructions, features, technical specifications, operating procedures, and battery information.



### [PeakTech 5310 A Professional pH Meter Operation Manual](#)

Comprehensive operation manual for the PeakTech 5310 A professional digital pH meter. Covers safety precautions, device features, technical specifications, measurement procedures, calibration steps, and battery replacement. Includes contact information for PeakTech Prüf- und Messtechnik GmbH.



### [PeakTech 2510 Power Analyzer User Manual](#)

User manual for the PeakTech 2510 Power Analyzer, detailing its features, technical specifications, safety instructions, and operating procedures.



### [PeakTech 2510 Power Analyzer User Manual](#)

User manual for the PeakTech 2510 Power Analyzer, detailing its features, specifications, and operating instructions for accurate power measurements.