

Netum F-16

Netum F-16 Wired 1D 2D QR Barcode Scanner User Manual

Model: F-16

Introduction
Setup
Operating Instructions
Maintenance
Troubleshooting
Specifications
Warranty & Support

1. INTRODUCTION

The Netum F-16 is a high-performance wired barcode scanner designed for efficient and accurate data capture. It supports both 1D and 2D barcodes, including QR codes and Data Matrix. Featuring a CMOS image sensor and a 32-bit processor, it offers fast scanning speeds and reliable performance across various applications.

Key Features:

- **Versatile Scanning:** Reads 1D, 2D, QR, and Karekod barcodes.
- **Plug and Play:** Easy setup with no driver installation required for most systems.
- **Advanced Imaging:** CMOS image technology for easy scanning.
- **Durable Design:** IP54 standard, capable of withstanding 3-meter drops.
- **Screen Reading:** Supports scanning barcodes directly from screens.
- **Wide Application:** Suitable for supermarkets, retail, warehouses, logistics, libraries, and medical environments.
- **Specialized Reading:** Capable of reading barcodes on colored backgrounds (blue, black), commercial, pharmacy, logistics, postal, folded, small, film-covered, and blurry barcodes.

2. SETUP INSTRUCTIONS

The Netum F-16 barcode scanner is designed for simple plug-and-play operation. Follow these steps to set up your

device:

1. **Connect the USB Cable:** Locate the USB cable attached to the scanner.
2. **Plug into Host Device:** Insert the USB connector into an available USB port on your computer, POS system, or other compatible host device.
3. **System Recognition:** The operating system should automatically detect and install the necessary drivers. This process typically takes a few seconds. No manual driver installation is usually required.
4. **Test Scanning:** Open a text editor (e.g., Notepad, Word) or a compatible application and scan a test barcode. The barcode data should appear on your screen.



Figure 2.1: Connecting the Netum F-16 scanner to a laptop via USB.

No Driver Required Compatible

Plug and Scan

USB HID

USB COM

USB POS

RS232

Wired
Connection



Figure 2.2: The scanner supports various interfaces including USB HID, USB COM, USB POS, and RS232 for broad compatibility.

The scanner supports various connection modes including USB HID, USB COM, USB POS, and RS232, ensuring compatibility with a wide range of systems.

3. OPERATING INSTRUCTIONS

To operate the Netum F-16 barcode scanner, aim the scanning window at the barcode you wish to read and press the trigger button. The scanner will emit a red light and a beep (if enabled) upon successful scan.

Scanning Performance:

- **Processor:** Equipped with a 32-bit processor for rapid data processing.
- **Reading Rate:** Achieves up to 200 scans per second.
- **Resolution:** Capable of reading barcodes with a minimum resolution of 4 mil.



Figure 3.1: The scanner's high-speed processing and reading capabilities.

Supported Barcode Types:

The Netum F-16 scanner is highly versatile, supporting a comprehensive range of 1D and 2D barcode symbologies:

- **1D Barcodes:** Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey.
- **2D Barcodes:** PDF 417, Data Matrix (ECC200, ECC000, 050, 080, 100, 140), QR Code.

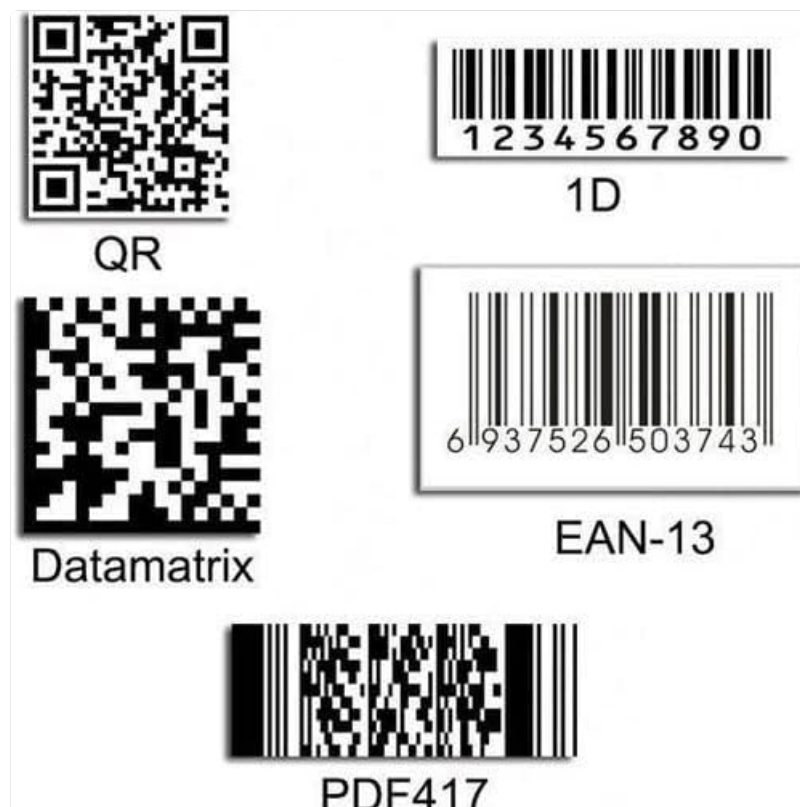


Figure 3.2: Examples of 1D and 2D barcode types supported by the scanner.

The scanner provides visual (LED) and audible (sound) indicators for successful scans.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Netum F-16 barcode scanner, follow these simple maintenance guidelines:

- **Cleaning the Scanning Window:** Regularly clean the scanning window with a soft, lint-free cloth. If necessary, dampen the cloth slightly with water or a mild, non-abrasive cleaner. Avoid using harsh chemicals or abrasive materials that could scratch the window.
- **Cable Care:** Inspect the USB cable periodically for any signs of wear, cuts, or damage. Avoid bending or twisting the cable excessively, as this can lead to internal wire damage.
- **Storage:** When not in use, store the scanner in a clean, dry environment away from extreme temperatures, direct sunlight, and excessive dust.
- **Handling:** While the device is designed to be durable (IP54 standard, 3M drop resistance), avoid unnecessary drops or impacts to prevent potential damage.

5. TROUBLESHOOTING

If you encounter issues with your Netum F-16 barcode scanner, refer to the following common problems and solutions:

- **Scanner Not Responding:**
 - Ensure the USB cable is securely connected to both the scanner and the host device.
 - Try plugging the scanner into a different USB port on your computer.
 - Restart your computer or host device.
- **Barcode Not Scanning:**
 - Ensure the barcode is clean, undamaged, and clearly printed.
 - Adjust the distance and angle between the scanner and the barcode. The optimal scanning distance varies by barcode type and size.
 - Check if the barcode type is supported by the scanner (refer to Section 3: Operating Instructions).
 - Clean the scanning window as described in the Maintenance section.
- **Scanned Data is Incorrect or Incomplete:**
 - Ensure the scanner is configured for the correct keyboard layout if using a multi-language system.
 - Some applications may require specific settings for barcode input. Consult your application's documentation.
 - If the scanner requires an 'Enter' or 'Tab' key after each scan, this is typically a programmable setting. Refer to the full product manual for configuration barcodes to adjust such settings.
- **No Sound or LED Indicator:**
 - Check if the sound and LED indicators are enabled. These can often be toggled via configuration barcodes found in the comprehensive user manual.

For more advanced troubleshooting or specific configuration needs, please refer to the complete product manual or contact customer support.

6. SPECIFICATIONS

Feature	Detail
Image Sensor	CMOS
Resolution	752 x 480 Pixels
Light Source	625 nm ± (10 nm) Red LED
Minimum Bar Width	5 Mil (0.127 mm)
Scanning Distance (EAN-13, 13 mil)	55 - 320 mm
Scanning Distance (PDF417, 6.67 mil)	70 - 155 mm
Scanning Distance (Datamatrix, 10 mil)	55 - 175 mm
Scanning Distance (QRCode, 15 mil)	40 - 160 mm
Rotation Sensitivity (Roll)	360°
Rotation Sensitivity (Skew)	±55°
Rotation Sensitivity (Pitch)	±55°
Print Contrast	Min: 30%
Processor	32 Bit
Indicators	Sound and LED
Supported Interfaces	RS-232C and USB
Connection Type	USB Cable
Power Source	Wired Electric
Color	Black
Product Type	2D (2 Dimensional) Barcode Reader

7. WARRANTY & SUPPORT

Warranty Period: The Netum F-16 barcode scanner comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use conditions.

What the Warranty Does Not Cover:

- Damage caused by misuse, abuse, accident, or neglect.
- Unauthorized repairs or modifications.
- Damage due to external causes such as power surges or natural disasters.
- Normal wear and tear.

Customer Support:

If you require technical assistance, have questions about your product, or need to claim warranty service, please contact your retailer or the manufacturer's customer support. Please have your product model number (F-16) and proof of purchase ready when contacting support.

For further information, please visit the official Netum website or consult the full product documentation provided with your purchase.

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

Open the live page

<https://manuals.plus/asin/B09TZ9PZHJ>

More documents and user manuals: <https://manuals.plus/>