

Quick Reference Guide

P/N 068443-002

Sabre 1550 Laser Scanner

 **ntermec**

A **UNOVA** Company

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U.S. media supplies ordering information: 1-800-227-9947

Canadian service and technical support: 1-800-688-7043
Canadian media supplies ordering information: 1-800-268-6936

Outside U.S. and Canada: Contact your local Intermec service supplier.

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This quick reference guide provides basic operating procedures and safety instructions. Keep this guide near your scanner for reference.

Overview of the Sabre 1550 Laser Scanner

The Intermec Sabre 1550 laser scanner delivers quick, effortless bar code scanning. These configurations are available:

Model	Configuration
1550C0100	Intermec interface, standard optics, and configured for auto-trigger mode.
1550C0101	Intermec interface and advance long-range optics.
1550C0102	Intermec interface and long-range optics.
1550C0104	Intermec interface and high-visibility optics.
1550C0105	Intermec interface and high-density optics.
1550C0500	Intermec (black high) interface and standard optics.
1550C0501	Intermec (black high) interface and advanced long-range optics.
1550C0502	Intermec (black high) interface and long-range optics.
1550C0504	Intermec (black high) interface and high-visibility optics.
1550C0505	Intermec (black high) interface and high-density optics.
1550C5100	Intermec interface, standard optics, and a nonincendive certification for use with Intermec models J2010NI and JG2010NI.

Unpacking the Sabre 1550 Laser Scanner

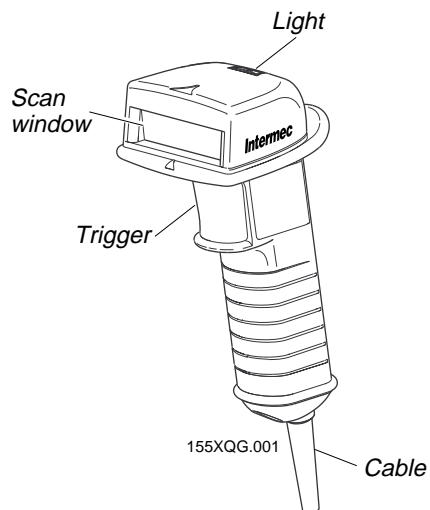
Your Sabre 1550 laser scanner was thoroughly tested and inspected before it was shipped from the factory. The shipping box contains the laser scanner and this guide.

Note: You must order the appropriate interface cables separately. For help, see "Connecting to an Intermec Product" later in this document.

If any of these items are missing or damaged, please contact your local Intermec representative. Retain the shipping box in case you need to return the scanner for service.

Understanding the Sabre 1550 Features

The Sabre 1550 laser scanner is easy to install and operate. Please acquaint yourself with the important parts of the scanner before continuing.



Light

The light indicates the status of the scanner.

Color	Description
Yellow	The device is scanning.
Green	The bar code has been successfully scanned.
None	The device is not scanning.

Electrical Rating

The 1550C01XX and 51XX laser scanner electrical ratings are --- 4,5 to 5,5V; 125 mA.

The 1550C05XX laser scanner electrical rating is --- 4,5 to 12,0V; 125 mA.

Connecting to an Intermec Product

You can connect the Sabre 1550 laser scanner to these Intermec products:

- 9450 RF Vehicle-Mount Terminals
- 95XX Network Terminals
- 97XX Wedge Readers
- JANUS™ 2010 Hand-Held Computers (J2010 and JG2010)
- JANUS™ 2050 Vehicle-Mount Computers (J2050 and JG2050)
- Trakker Antares® 241X and 242X Hand-Held Terminals (T242X)
- Trakker Antares® 2455 Vehicle-Mount Terminals (T2455)
- Trakker Antares® 246X and 248X Stationary Terminals (T248X)
- TRAKKER® 944X Portable Terminals
- TRAKKER® 9465 RF Portable Terminals
- T1100, T1700, 6540 and 5900 Mobile Portable Terminals

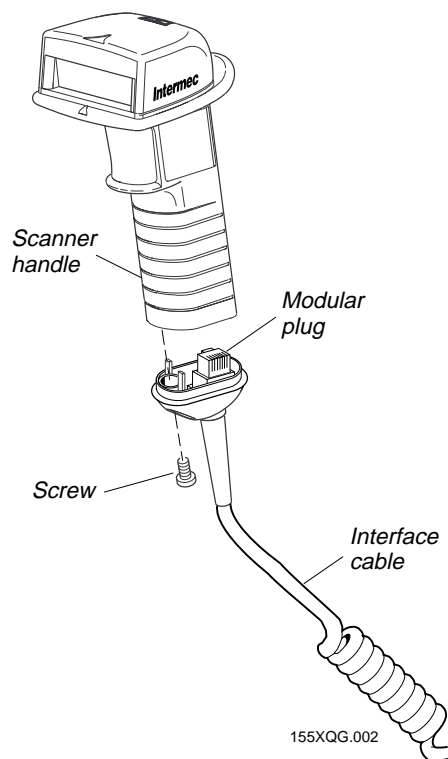
You must purchase an interface cable to connect the scanner to a reader/terminal. Use this table to determine the cable to order:

Reader/Terminal	Length	Cable Connector	Part No.
944X	6 ft (1.83m)	6 Pin Modular, Gray Cap	068432
95XX	6 ft (1.83m)	9 Pin D-Sub, Gray Cap	068415
95XX	25 ft (7.63m)	9 Pin D-Sub, Gray Cap	068416
946X, 9450	6 ft (1.83m)	11 Pin Sealed, Gray Cap	068417
946X, 9450	25 ft (7.63m)	11 Pin Sealed, Gray Cap	068418
97XX, J2010, JG2010, T242X, T248X, T246X	6 ft (1.83m)	10 Pin Modular, Gray Cap	068419
97XX, J2010, JG2010, T242X, T248X, T246X	15 ft (4.57m)	10 Pin Modular, Gray Cap	068420
97XX, J2010, JG2010, T242X, T248X, T246X	25 ft (7.63m)	10 Pin Modular, Gray Cap	068421
T241X	6 ft (1.83 m)	16 pin Amp	069813
T2455	6 ft (1.83m)	10 Pin Modular	069182
T2455	25 ft (7.63m)	10 Pin Modular	069183
J2050, JG2050	6 ft (1.83m)	11 Pin Sealed, Gray Cap	068422
J2050, JG2050	25 ft (7.63m)	11 Pin Sealed, Gray Cap	068423
MaxiLAN CX, MaxiLAN DX, MicroBAR NX, MaxiBAR, T1100, T1700, 5900, 6540 and other manufacturer reader/terminal	6 ft (1.83m)	9 Pin Squeeze D-Sub, Gray Cap	068424
MaxiLAN CX, MaxiLAN DX, MicroBAR NX, MaxiBAR, T1100, T1700, 5900, 6540 and other manufacturer reader/terminal	25 ft (7.63m)	9 Pin Squeeze D-Sub, Gray Cap	068425

To connect the scanner to a reader/terminal

1. Turn off the reader/terminal.
2. Connect the modular plug on the interface cable into the bottom of the scanner handle.
3. Tighten the screw using a medium-sized, straight-slot screwdriver to secure the plug in the scanner handle.
4. Connect the other end of the cable to the reader/terminal.

Note: The cable connector plug for the reader/terminal will vary according to the cable you ordered.



To learn basic scanning operation, scanning tips, and how to scan hands-free using the scanner stand, see "Operating the Sabre 1550 Laser Scanner" in the next section.

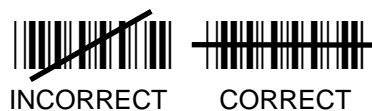
Operating the Sabre 1550 Laser Scanner

Before you start scanning, make sure the power to the reader/terminal is on and all cable connections are secure.

1. Aim the scanner at a slight angle or pitch to the bar code and press the trigger. To help you center the laser beam on the correct bar code, the scanners with long-range or high-visibility optics have a marker beam that will appear when you pull the trigger.
2. When you get a successful read the laser beam turns off, the scanner beeps once, and the light turns green.

Scanning Tips

Adjust the scanner distance to the bar code and the position of the laser beam to make sure every bar and space is scanned.

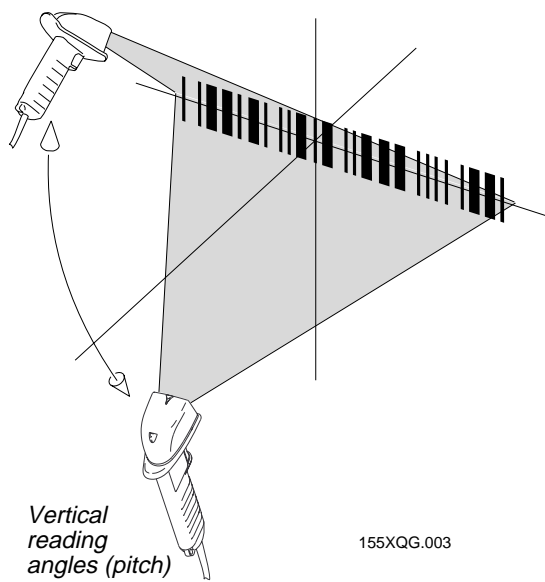


INCORRECT

CORRECT

155XQG.006

Hold the scanner at a slight angle or pitch to the bar code. The laser beam will quickly read the bar code.



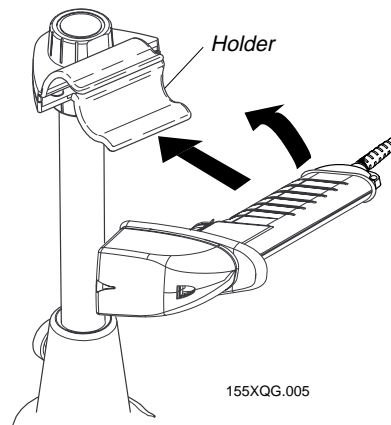
For scanners with long-range or high-visibility optics, use the marker beam to center the scanner's laser beam on the bar code you want to scan.

Hands-Free Scanning

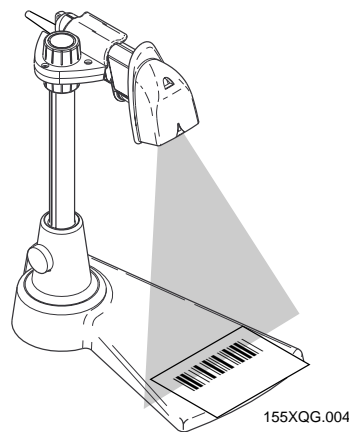
If you have an auto-trigger scanner (1550C0100), you can use the scanner stand for hands-free scanning. To order a scanner stand, see "Accessories" later in this guide.

Note: Using the IRL Z command for remote triggering will not work with the Sabre 1550 scanner.

To scan a bar code using the scanner stand



1. Place the scanner handle on the bottom ledge of the holder and then rotate the handle in the holder until it locks into place.
2. Align the scanner and adjust the column height so that the pulsating laser beam covers the entire label on the base of the stand.
3. To scan a bar code, place it right-side up over the label on the base of the stand.



When the reader/terminal beeps, the bar code has been successfully read.

Note: If your scanner stand does not have a small magnet in the holder, you need to upgrade your stand using upgrade kit part number 066799.

Troubleshooting

This table lists common scanner problems and their solutions.

Problem	Solution
Scanner cannot read certain bar codes.	<p>The reader/terminal was not set up to read this type of bar code, or the bar code is damaged, covered up, or poor quality.</p> <p>Scan another bar code on a similar item. If it scans, clean the bar code giving you trouble.</p> <p>If you are still unable to scan the bar code, enable other bar code symbologies in the reader/terminal.</p>
Scanner does not read bar codes quickly and sometimes requires multiple scans.	<p>Clean the window with a cotton cloth moistened with an ammonia or water solution. Dry with a soft cotton cloth or allow to air dry.</p> <p>Make sure the bar code is free of dirt and grime. Then scan at a slight angle to the bar code. For help, see "Scanning Tips" earlier in this guide.</p>
Scanner does not read "shiny" bar codes.	<p>Scan at a slight angle or pitch to the bar code. For help, see "Scanning Tips" earlier in this guide.</p>
Scanner does not emit a beam and does not operate.	<p>The scanner is not receiving power. Make sure the scanner cables are securely plugged in and the terminal is on. Replace damaged cables.</p>

If you continue to have problems operating your scanner, contact your local Intermec representative.

Maintaining the Sabre 1550 Laser Scanner

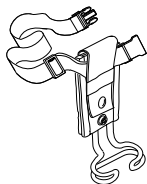
Water or grime on the window of the scanner distorts the laser beam and may impair performance. Moving from one temperature extreme to another causes condensation to form on the optical surfaces and also affects scanner performance.

Follow these guidelines to maintain the scanner:

- Clean the window with a cotton cloth moistened with an ammonia or water solution. Dry with a soft cotton cloth or allow to air dry.
- Do **not** use a dry tissue to wipe the window. This causes small scratches on the window that will gradually affect performance.
- Do **not** immerse the unit in water.
- Operate and store in an environment with 5% to 95% relative humidity.
- Operate in temperatures within -30° to 50° C (-22° to 122° F) and store in temperatures within -40° to 70°C (-40° to 158° F).

Accessories

These accessories are available for your Sabre 1550 laser scanner. To order an accessory, call your local Intermec representative.



Holster and Belt

Part No. 068174

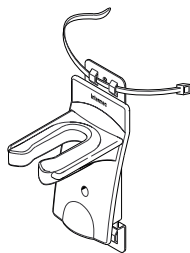
You can store your scanner on you when it is not in use. The holster can be used with the belt provided or with any regular belt.



Wall-Mount Scanner Holder

Part No. 068176

The wall-mount is a convenient way to store your scanner when it is not in use.



Vehicle-Mount Scanner Holder

Part No. 068175

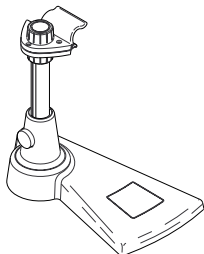
You can attach the vehicle-mount to a post or surface of a vehicle with tie-wraps and double-stick tape.



Desk-Mount Scanner Holder

Part No. 068483

The desk-mount is a convenient way to store your scanner on your desk.



Scanner Stand

Part No. 068484

If you have an auto trigger scanner, you can use the scanner stand for hands-free scanning.

Note: If your scanner stand does not have a small magnet in the holder, you need to upgrade your stand using upgrade kit part number 066799.

Agency Approvals

The 1550 is UL Listed (UL 1950/C22.2 No. 950) and TÜV GS licensed (EN 60950 and EN 60825-1) for safety.

Nonincendive Information for Canada and the US

The following information pertains only to 1550 when ordered with the Hazardous Location Protection option (1550C5100). These units are marked Model 1550NI. No other configuration of this product is suitable for use in Division 2 locations.

The 1550NI is UL Listed as Nonincendive (UL-1604 and C22.2 #213) only when connected to Intermec's models J2010NI and JG2010NI. This information is suitable for use in the following hazardous locations:

Division 2

Class I - Groups A, B, C, and D

Class II - Groups F and G

Class III

Temperature Code T4A

Maximum Operating Ambient: 50°C

Note: Hazardous Locations are defined in articles 500-503 of the National Electrical Code (NEC).

**Warning**

The 1550NI is rated Nonincendive as long as it is not abused or damaged and is used according to its operating instructions. If these conditions are not met, this device must not be operated in a Division 2 environment.

Avertissement

Le 1550NI est classé Non incendiaires aussi longtemps qu'il ne subit pas d'abus ou de dommages et qu'il est utilisé en conformité avec son mode d'emploi. Si ces conditions ne sont pas remplies, cet appareil ne doit pas être utilisé dans un environnement de Division 2.

Patents

The 1550 laser scanner is covered by one or more of these U.S. Patents:

4,360,798; 4,369,361; 4,387,297; 4,496,831; 4,593,186; 4,603,262;
4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,816,660; 4,845,350;
4,896,026; 4,923,281; 4,992,717; 5,017,765; 5,047,617; 5,113,445;
5,140,144; 5,149,950; 5,168,148; 5,168,149; 5,180,904; 5,247,162;
5,250,792; 5,262,627; 5,280,163; 5,280,164; 5,304,786; 5,304,788;
5,367,151; 5,373,148; 5,396,053; 5,408,081; 5,410,139; 5,436,440;
5,468,949; 5,479,000.

Other U.S. and foreign patents pending.

