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Escort 8500X50

Escort Passport 8500 X50 Radar and Laser Detector User Manual

Model: 8500 X50

Brand: Escort

1. INTRODUCTION

The Escort Passport 8500 X50 is an advanced radar and laser detector designed to identify various speed detection signals. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance.

The 8500 X50 features a V-tuned radar receiver for extended detection range across X, K, and Ka bands, including "instant-on" radar and the new POP X band mode. It incorporates Digital Signal Processing (DSP) for enhanced range and reduced false alarms, along with a patented AutoSensitivity mode to intelligently distinguish real threats.

2. SETUP

2.1 Mounting the Device

The Passport 8500 X50 is designed for easy installation using the included suction cup bracket. Attach the bracket to the unit's release mechanism, then firmly press the suction cups onto your vehicle's windshield. Ensure the unit has a clear line of sight to the front and rear for optimal detection.

2.2 Power Connection

Connect the included Escort SmartCord to the power input on the detector and plug the other end into your vehicle's cigarette lighter power socket. The SmartCord features an alert LED and a built-in mute button for convenient operation.



This image displays the Escort Passport 8500 X50 radar and laser detector unit, its suction cup windshield mount, and the coiled SmartCord power cable. The detector unit is black with 'ESCORT' and 'PASSPORT 8500 X50' branding, along with control buttons for 'CITY', 'DIM', 'MUTE', 'PROGRAM', 'REVIEW', and 'CHANGE'. The SmartCord features a cigarette lighter adapter and a coiled cable connecting to the detector.

3. OPERATING THE DEVICE

3.1 Controls and Display

The unit features a simple control layout:

- **Top Buttons:** Two buttons on the top control sensitivity settings and display brightness. These also

function as selection buttons in programming mode.

- **Volume Dial:** Located on the left side of the unit.
- **Mute Button:** Positioned on the front panel, next to the LCD display.

The large, horizontal LCD display graphs the intensity of detected radar and laser signals. It also serves as a menu system for customizing settings.

3.2 Audio Alerts

Audio alerts are a primary warning mechanism. Warning tones progressively increase in volume as a threat approaches. Users can set preprogrammed volume levels. Each radar band, including Pop radar, has a distinct tone for easy identification. The "AutoMute" feature automatically lowers the alert volume after an initial warning period.

3.3 Sensitivity Modes

The 8500 X50 offers different sensitivity modes to minimize false alarms:

- **City Mode:** Decreases sensitivity to X-band sources, common for false alarms in urban areas.
- **Highway Mode:** Provides full sensitivity across all bands.
- **AutoSensitivity Mode:** Dynamically filters radar signals to identify legitimate threats, significantly reducing false alarms. This is generally the most accurate mode.

3.4 Customizable Settings

The unit has nine built-in customizable settings accessible through the LCD menu. These allow users to control display brightness, automatic mute, audio tones, power-on modes, and disable detection of specific bands. Expert mode settings provide a constant display of the intensity of all radar bands in the area.

4. FEATURES

- **Radar Detection:** Detects all North American radar bands: X, K, and Ka.
- **Laser Detection:** Equipped with detection diodes and a rear-facing laser detector window for comprehensive laser signal detection. It is compatible with the Escort ZR3 laser jamming system for enhanced protection.
- **Pop Radar Detection:** The 8500 X50 is designed to detect Pop radar guns, which transmit extremely short, high-frequency bursts. This feature is not enabled by default and must be activated in the settings menu.
- **Digital Signal Processing (DSP):** Provides maximum detection range while minimizing false alarms from non-police radar sources.
- **AutoSensitivity Mode:** Intelligently filters radar signals to distinguish between legitimate threats and common false alarm sources like automatic door openers.
- **Multiple High-Resolution Meter Modes:**
 - **Standard Bar Graph:** Displays signal intensity.
 - **ExpertMeter:** Identifies band and relative signal strength for up to eight radar signals simultaneously.
 - **SpecDisplay:** Shows the actual numeric frequency of the received radar signal.
- **VG-2 Radar Detector Protection:** Alerts the driver and can shut down the unit's oscillator if a VG-2 detector detector is encountered.
- **Reprogrammable Microprocessor:** Allows the unit to be updated to detect new radar and laser threats as they emerge.
- **360-Degree Detection:** Provides all-around coverage for radar and laser signals.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Escort Passport 8500 X50, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the unit with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Ensure the receiver window on the rear is clean and free of obstructions.
- **Storage:** When not in use, store the detector in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Care:** Handle the SmartCord carefully. Avoid sharp bends or excessive pulling that could damage the cable or connectors.

6. TROUBLESHOOTING

If you encounter issues with your Passport 8500 X50, consider the following common solutions:

- **Frequent False Alarms:**
 - Ensure AutoSensitivity mode is enabled.
 - If in an urban area, try using City mode to reduce X-band sensitivity.
 - Check for nearby sources of X-band radar, such as automatic door openers or security systems.
- **No Pop Radar Detection:**
 - Pop detection is not enabled by default. Access the settings menu and ensure it is activated.
- **No Power to Unit:**
 - Verify that the SmartCord is securely plugged into both the detector and the vehicle's cigarette lighter socket.
 - Check the vehicle's fuse for the cigarette lighter socket.
- **Limited Detection Range:**
 - Ensure the unit is mounted with a clear, unobstructed view of the road ahead and behind.
 - Avoid mounting behind tinted areas of the windshield or near metallic objects that could interfere with signals.

7. SPECIFICATIONS

Specification	Detail
Product Dimensions	6 x 2 x 3 inches
Item Weight	1 pound
Model Number	8500X50
Frequency Bands Supported	X, K, Ka
Power Source	DC (12 Volts)
Display Type	LED (Red matrix display with 280 LEDs)

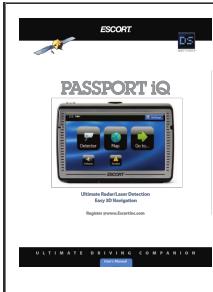
Specification	Detail
UPC	737795050537, 737795085027, 037795085028

8. WARRANTY AND SUPPORT

The Escort Passport 8500 X50 comes with a **1-year limited warranty**. For warranty claims, technical support, or further assistance, please refer to the contact information provided with your product packaging or visit the official Escort website.

Related Documents - 8500X50

 ESCORT M1 Dash Cam User Manual	<u>ESCORT M1 Dash Cam User Manual: Features, Installation, and Operation</u> Comprehensive user manual for the ESCORT M1 Dash Cam, detailing its features, compatibility with Escort and Beltronics radar detectors, installation instructions, basic operation, app connectivity, software updates, and troubleshooting. Learn how to enhance your driving experience with crystal clear 1080P HD video recording.
 ESCORT M1 DASH CAM HIGH DEFINITION PERFORMANCE The Exclusive Wi-Fi Dash Cam for ESCORT Drivers User Manual	<u>ESCORT M1 Dash Cam User Manual: High Definition Performance and Wi-Fi Connectivity</u> Comprehensive user manual for the ESCORT M1 Dash Cam, detailing features, installation, operation, app settings, troubleshooting, and warranty information. Learn how to connect and use your dash cam for optimal performance.
 ESCORT PASSPORT 9500ix	<u>ESCORT PASSPORT 9500ix Radar Detector User Manual</u> Comprehensive guide to the ESCORT PASSPORT 9500ix radar and laser detector, covering installation, features, preferences, troubleshooting, and specifications. Learn how to optimize your driving experience with advanced detection technology.
 ESCORT PASSPORT 7500	<u>ESCORT PASSPORT 7500 TurboCharged Radar Detector Owner's Manual</u> Comprehensive owner's manual for the ESCORT PASSPORT 7500 TurboCharged radar and laser detector, covering installation, features, programming, troubleshooting, and technical specifications.
 ESCORT Drive Smarter MAX 3 Premium Radar Laser Detector X 8 F 0 Manual de utilizare REINVENTED BY ESCORT	<u>ESCORT MAX 3 INTL Radar Laser Detector User Manual</u> This user manual provides comprehensive instructions for the ESCORT MAX 3 INTL Premium Radar Laser Detector, covering installation, features, settings, and troubleshooting.



[ESCORT PASSPORT iQ User Manual: Ultimate Radar/Laser Detection and Navigation](#)

Comprehensive user manual for the ESCORT PASSPORT iQ, detailing its features for ultimate radar/laser detection and easy 3D navigation. Learn about setup, operation, settings, and troubleshooting.

Documents - Escort – 8500X50



[\[pdf\] User Manual](#)

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KIT PERSONALIZACION SPORT, S.L. C VIC, 99-101 - Montmel 08160 TI.

935723021 www.kpsport.com ... ud 204cm x 212cm x 60cm Peso: 0,58kg

Procedencia: EUROPA Observaciones: Referencia Descripcin P-8500X50 BLACK

Escort Passport 8500X50 Detector Porttil Lser PVPR EAN Precios IVA Incluido - 340...

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[\[pdf\] User Manual Owner's Manual Specifications](#)

8500 X50 Black Manual* indd Sales Service 800 964 3143 West Chester OH 45069 5440 Best Radar Detector the manual in detail to get most out of your PASSPORT s outstanding performance and innovative features Please drive safely Factory Default Settings To reset its original factory settings press hold CITY DIM MUTE buttons while turning power on display will provide SpecDisplay™ are trademarks ESCORT Inc 360 degree laser protection Brt MAX DARK STD ALL Bands DFT MOD Congratulations You ve purchased which is advanced high radar detector market The provides extreme long range B005IQGU0A V309606896 8500x50 Manual black images na ssl amazon G 01 HARDLINES usermanual 13 3 15 bestradardetectors net v manuals escortradar 80 Product User Manuals |||

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lang:en score:22 filesize: 1.83 M page_count: 16 document date: 2011-06-03

[pdf] User Manual Owner's Manual Specifications

8500 X50 Black Manual* indd Best Radar DetectorsPASSPORT emits short alerts for a few seconds and then falls silent only to briefly alert fall again widely used in several states generate K8500x50

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ESCORT One Year Limited Warranty

What this warranty covers: ESCORT warrants your product against all defects in materials and workmanship.

For how long: One (1) year from the date of the original purchase.

What we will do: ESCORT, at our discretion, will either repair or replace your product free of charge.

What we will not do: ESCORT will not pay shipping charges for you incur for sending your product to us.

What you need to do to maintain this warranty: Show original proof of purchase from an authorized ESCORT dealer.

Warranty Exclusion: Warranty does not apply to your product under any of the following conditions: 1. The serial number has been removed or modified. 2. Your product has been subjected to abnormal use, abuse, accident, or damage from natural causes (such as lightning). 3. Your product has been modified in any way. 4. Your receipt or proof of purchase is lost or destroyed. 5. Defective internet auction sites including E-bay, U-bid, or other non-authorized resellers.

To obtain service: 1. Contact ESCORT (800.543.1695) to obtain a Return Authorization number. 2. Properly pack your product and include your name, complete return address, write description of defect, and attach a copy of your original proof of purchase (receipt) to the original purchase receipt. 3. Label the outside of the package clearly with your Return Authorization number. 4. Ship your product to us (freight, for your pre-approval) to: Escort Inc., 5440 West Chester Rd., West Chester, OH 45069.

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[pdf] Warranty

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[pdf] Catalog

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Alarms Audio y video Avisadores de radar Cmaras visin trasera Car PC DVD USB

Detectores de radar DVD ... ador reprogramable Pantalla Ultra-Bright Matrix Viene totalmente equi- pado Escort Qi45 REF. **8500X50** 300 Proteccin de todas las bandas Discreta insta- lacin contra el robo Totalmente inte...

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