

Yupiteru LS320

YUPITERU SUPER CAT LS320 Laser & Radar Detector User Manual

Model: LS320

INTRODUCTION

The YUPITERU SUPER CAT LS320 is a laser and radar detector designed to alert drivers to the presence of laser and radar speed detection devices. This manual provides essential information for the proper installation, operation, and maintenance of your device.



NEW 史上最強 専用新設計で取締レーザー光をいち早くお知らせ

専用新設計 レーザー探知性能約40%UP*

一般的に採用されているアンプIC(汎用品)では増幅できない微弱なレーザー光に対応する「専用高利得アンプIC」を搭載。取締レーザー光をいち早くお知らせします。

※従来比 自社調べ

専用新設計!
レーザー探知性能
約40%UP!

第1世代 (19年前期)
第2世代 (19年後期)
第3世代 (21年)

超広範囲探知
水平約40°

※イメージ

▶ レーザー光受信機能についてのご注意

POINT! 速度違反の取締りは新型の光オービス(レーザー光)の時代に

光オービス「新型レーザー式移動オービス」とは?
レーザー光により車速を計測するオービス(自動速度違反取締装置)。
三脚により簡単に移動ができ、かつ小スペースで設置が可能。取締り場所が固定されていないため従来のGPS位置登録では警報できません。今後重点的に取締りが行われる通学路やゾーン30などの生活道路では「受信できること」が不可欠です。



Figure 1: YUPITERU SUPER CAT LS320 main unit. This image shows the compact design of the radar detector, suitable for dashboard mounting.

PACKAGE CONTENTS

Verify that all the following items are included in your package:

- Main unit (x1)
- Dashboard mounting bracket (x1)
- Cigarette plug power cord (x1)
- Adhesive mat (x1)
- Adhesive sheet (x1)
- Double-sided tape for direct mounting (x1)
- microSD card (x1, pre-installed in the unit)
- SD card adapter (x1, pre-installed in the unit)
- Instruction manual / Warranty card (x1)

SETUP

1. Mounting the Unit

Choose a location on your dashboard that does not obstruct your view of the road or interfere with airbag deployment. Ensure the unit has a clear line of sight to the front for optimal laser and radar detection.

1. Clean the dashboard surface thoroughly where the unit will be mounted.
2. Attach the dashboard mounting bracket to the unit.
3. Apply the adhesive mat or adhesive sheet to the bottom of the bracket, or use the double-sided tape for direct mounting, ensuring a secure fit.
4. Press the unit firmly onto the chosen dashboard location for several seconds.

2. Connecting Power

Connect the cigarette plug power cord to the power input port on the LS320 unit and then insert the other end into your vehicle's cigarette lighter socket. The unit will power on automatically when the vehicle's ignition is turned on.

3. microSD Card Installation

The microSD card and SD card adapter are pre-installed in the unit. Do not remove them unless instructed for troubleshooting or updates. Ensure they are securely seated before first use.

OPERATING INSTRUCTIONS

1. Power On/Off

The LS320 powers on automatically when connected to a powered cigarette lighter socket and the vehicle's ignition is on. To power off, simply turn off the vehicle's ignition or disconnect the power cord.

2. Laser and Radar Detection

The device continuously monitors for laser and radar signals. Upon detection, it will provide an audible and visual alert on the LCD screen. The LS320 features a dedicated new design for laser detection, improving performance by approximately 40% compared to previous generations.



Figure 2: Diagram illustrating the enhanced laser detection performance of the LS320. The image highlights the 40% improvement in detection capability and the wide horizontal detection angle.

3. False Alarm Countermeasures

The LS320 incorporates a high-precision optical filter and judgment system to minimize false alarms from non-police laser sources such as adaptive cruise control systems or remote controls. This system distinguishes actual laser signals from interference, providing more reliable alerts.

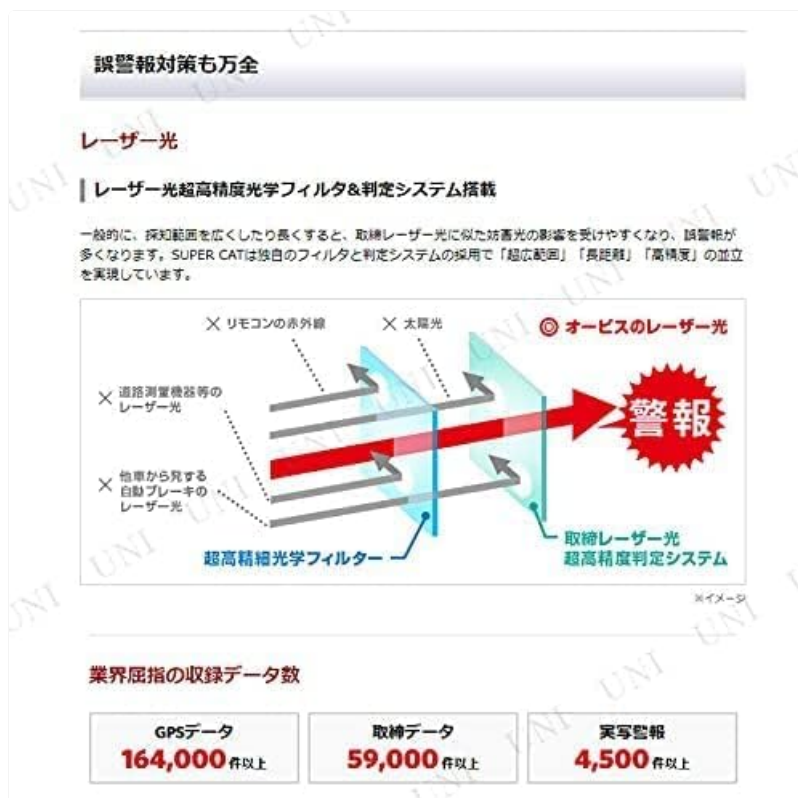


Figure 3: Diagram showing the ultra-high precision optical filter and judgment system. This visual explains how the device filters out infrared from remote controls, sunlight, and laser from road measurement devices or automatic braking systems to focus on actual enforcement laser signals.

4. K-Band Reception and Route Reduction

The LS320 is compatible with new K-band mobile radar systems. It also features a route reduction function that provides real-time, accurate alerts by reducing unnecessary warnings based on GPS data and known enforcement locations. This allows for focused attention on critical alerts.



Figure 4: Screenshot showing K-band reception and route reduction in action. The image displays a map interface with alerts for enforcement points and how the system reduces warnings on routes where enforcement is not active, even if K-band signals are present.

MAINTENANCE

To ensure optimal performance and longevity of your LS320:

- **Cleaning:** Regularly wipe the unit's exterior, especially the sensor area, with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the unit to extreme temperatures for extended periods. Remove it from direct sunlight when parked for long durations.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

TROUBLESHOOTING

If you encounter issues with your LS320, refer to the following common problems and solutions:

- **Unit does not power on:**
 - Ensure the cigarette plug power cord is securely connected to both the unit and the vehicle's cigarette lighter socket.
 - Check the vehicle's fuse for the cigarette lighter socket.
 - Verify the vehicle's ignition is on.
- **No alerts for known speed detection devices:**
 - Ensure the unit has a clear line of sight to the front and is not obstructed by other objects on the

dashboard.

- Check that the unit's settings are configured to detect the relevant bands (refer to the full instruction manual for detailed settings).
 - Ensure the microSD card is properly inserted and data is up-to-date.
- **Frequent false alarms:**
 - While the LS320 has advanced false alarm filtering, some environmental factors or other vehicle systems may still trigger occasional alerts.
 - Ensure the unit's sensor area is clean and free from obstructions.
 - Adjust sensitivity settings if available (refer to the full instruction manual).

For further assistance, please consult the detailed instruction manual included in your package or contact Yupiteru customer support.

SPECIFICATIONS

Brand	Yupiteru
Model Number	LS320
Product Dimensions (L x W x H)	Approx. 10.6 cm x 1.7 cm x 6 cm
Weight (including SD card)	Approx. 115g
Display Type	LCD
Power Source	Cigarette plug power cord type
Cigarette Plug Cord Length	Approx. 3m
Wireless Control Frequency	10.525 GHz, 24.125 GHz
Compatible Devices	Speed cameras / Detection devices

WARRANTY AND SUPPORT

The YUPITERU SUPER CAT LS320 comes with a warranty. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, product inquiries, or warranty claims, please contact Yupiteru customer service. Contact information can typically be found on the warranty card or the official Yupiteru website.

Note: Keep your purchase receipt as proof of purchase for warranty purposes.