

RELEASE NOTES

EZ-Guide® 250 Lightbar Guidance System **Firmware Version 3.10**

- [Introduction](#)
- [Changes](#)
- [GPS position quality indicator](#)
- [Upgrade procedure](#)

Version 3.10
Revision A
March 2010
Part Number 92022-86-ENG



Contact information

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This is the March 2010 release (Revision A) of the *EZ-Guide 250 Lightbar Guidance System Release Notes*, part number 920222-86-ENG. It applies to version 3.10 of the EZ-Guide firmware.

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- proof of purchase
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- an explanation of the problem

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential

area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. TRIMBLE is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

Trimble Navigation Limited

935 Stewart Drive

Sunnyvale CA 94085

Telephone: 1-408 481 8000

Industry Canada Compliance Statement

This Class A digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Avis de conformité à la réglementation d'Industrie Canada.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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This product is in conformity with the protection requirements of EU Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility. TRIMBLE cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-TRIMBLE option cards.

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Attention: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Australia and New Zealand

This product conforms with the regulatory requirements of the Australian Communications Authority (ACA) EMC framework, thus satisfying the requirements for C-Tick Marking and sale within Australia and New Zealand.



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Recycling in Europe: To recycle Trimble WEEE (Waste Electrical and Electronic Equipment, products that run on electrical power.), Call +31 497 53 24 30, and ask for the "WEEE Associate". Or, mail a request for recycling instructions to:

Trimble Europe BV
c/o Menlo Worldwide Logistics
Meerheide 45
5521 DZ Eersel, NL



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Declaration of Conformity

We, Trimble Navigation Limited,


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PO Box 3642
Sunnyvale, CA 94088-3642
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declare under sole responsibility that the product:
EZ-Guide 250 lightbar guidance system
complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation.

Introduction

These *Release Notes* describe changes and updates for the EZ-Guide® 250 lightbar guidance system. They apply to the EZ-Guide 250 lightbar guidance system firmware version 3.10.

Note – For on-screen instructions and term definitions, select .

Changes

The following changes are provided in the EZ-Guide 250 lightbar guidance system firmware version 3.10:

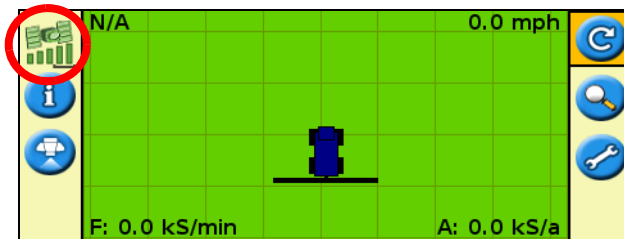
- Updated GPS status icon with bars, see below.




GPS position quality indicator

You can now select the level of GPS quality that you want the system to use. This gives you the option of extending your operating hours by running the system when GPS satellites are less available and possibly providing lower position quality. Alternatively, you can select the best level of quality in order to achieve the maximum accuracy.

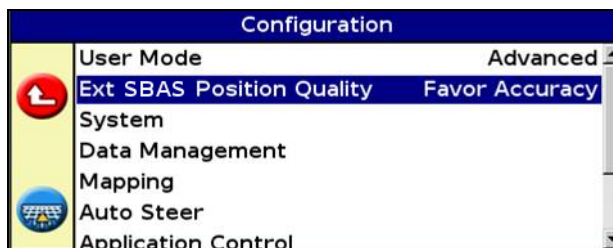
The bars on the GPS position quality indicator represent the overall quality of the position. The quality is determined by factoring satellite availability, health, and a calculated accuracy estimate. The more green bars shown, the higher the level of GPS position quality.

A black bracket under the GPS signal bars indicates the quality level you selected:



Bars	Option	Select ...
	Favor Accuracy	For operations that require the highest accuracy. Note – Trimble recommends this option for the best pass-to-pass accuracy. This option is equivalent to the quality level of previous versions of the EZ-Guide firmware.
	Balanced Quality	To trade potential accuracy for a slight increase in production time.
	Favor Availability	To extend production time further, with more potential for reduced accuracy.

To adjust the GPS position quality indicator, go to *Configuration* and then select *SBAS*, or *Autonomous Position Quality*:



Upgrade procedure

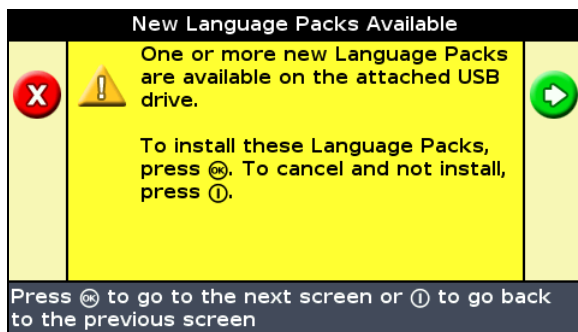
Installing additional language packs



CAUTION – Do not add language packs to the lightbar when the internal memory is nearly full (less than 15 hours remaining). To free up internal memory, save all of the data to a USB drive and then copy the data on the drive to an office computer. Delete the field data from the internal memory. Install the language packs and then, if necessary, use the drive to replace the field data in the lightbar's internal memory.

A number of language packs are available as a web release. Language packs are loaded onto the lightbar from a USB drive:

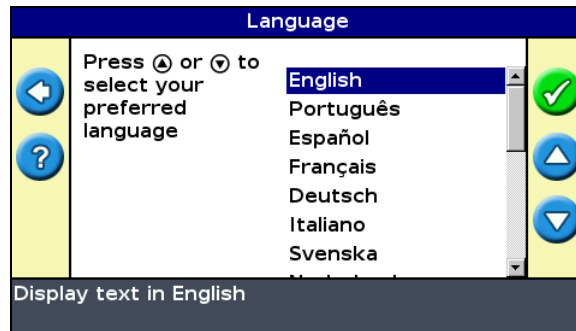
1. Transfer the required language pack (.lpf file) from www.ez-guide.com to an office computer.
2. Copy the language pack to a USB drive and then insert the USB drive into the USB port on the lightbar. Make sure the files are copied to the root of the USB drive, not to any folders on the USB drive.
3. Turn on the lightbar.
4. Select the main guidance screen and then wait for up to 1 minute. The language pack is automatically detected:



-
5. Press **OK** to load the language pack(s).

Once the language pack is installed, the language selection screen appears.

6. Select the language you require:



Upgrading the firmware





CAUTION – Do not upgrade the lightbar's firmware when the internal memory is nearly full (less than 15 hours remaining). If you do, the lightbar may lose your current settings. Before upgrading the firmware, save the lightbar's settings and the data to a USB drive and then transfer all of the data on the drive to an office computer. If necessary, use the drive to replace the field data in the lightbar's internal memory after the upgrade is complete.

***Note** – Before upgrading to version 3.10 of the EZ-Guide 250 system, make sure that you are using the AgGPS Autopilot™ automated steering system version 4.52 or later.*

Before you begin to update the firmware in the lightbar, check which firmware version is currently installed:

1. Select *Configuration / About the EZ-Guide*.
2. Check the *Version* number:

About the EZ-Guide		
	ID	EZGuide 250
	Version	3.10.038.4[6.10]
	Version Date	03/12/2010
	Serial Number	4818536985
	Part Number	92100-00
	Monitor Version	1.04
This information may be helpful for support		

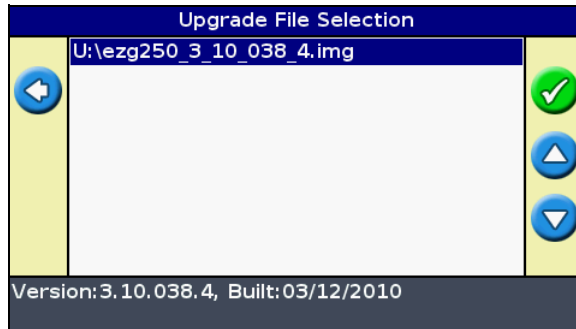
This is the firmware version. If the number is 3.05.xxx.x, you have firmware version 3.05. If the number is 3.10.xxx.x, you already have firmware version 3.10.

To upgrade the lightbar to version 3.10:


1. Download the firmware version 3.10 upgrade file from www.EZ-Guide.com to your office computer.
2. Extract the contents to the USB drive. Make sure the files are copied to the root of the USB drive, not to any folders on the USB drive.
3. Insert the USB drive in the lightbar.
4. Turn on the lightbar.

When the USB drive is detected, the lightbar runs the upgrade wizard automatically.

If you currently have firmware version 3.05 or earlier, the firmware version 3.10 upgrade file appears:



CAUTION – Do not turn the lightbar off while the firmware is being updated. This could render the lightbar inoperable.

5. Select the EZ-Guide firmware .img file and then press . The wizard installs the monitor file and the firmware version 3.10. When the firmware is installed, the lightbar restarts.

The lightbar firmware is upgraded to version 3.10.

Note – *When upgrading to this new firmware, the previously set SNR and Elevation Mask GPS settings remain active until you next turn off and then turn on the lightbar.*