



## Installation instructions

1. Go to [www.easylaser.com](http://www.easylaser.com) > Support > Software download > XT11 display unit firmware update.  
**NOTE!** This is a very large file! (approximately 1.3 GB)
2. Download the XT11 firmware update file and save to a USB memory stick.
3. Unzip the files to the root of the USB memory stick.
4. Start the XT11 Display unit.
5. Insert the USB memory stick into the Display unit.
6. On the start view, tap  to open Settings.
7. Tap  to open System information. The installation file should now be visible under UPDATE.  
If the XT11 unit doesn't restart within five minutes, start it manually.

**NOTE!** For detector unit software update, see XT Instruction manual. Current software versions: **3.5.2/4.1.0**

Installation instructions in **German, Spanish and Swedish** are found on the on the last page of the Release notes.

## Version 8.1.1

- New background image.
- Changed the default tolerance in Cardan.
- Fixed a connection problem in Horizontal.
- In EasyTrend, fixed a problem with the start and stop line.
- Several minor translation fixes.
- Several minor visual bug fixes.

### Display unit XT11

**NOTE!** As of November 2022, the XT alignment app will no longer support the XT11 rev 1 Display unit (serial number 129231 or lower). XT alignment app version 8.1 and higher will not be compatible with XT11 rev 1.

## Version 8.0.17

- Fixed communication bugs on Android.
- Various other bug fixes.

## Version 8.0.15

### Shaft

- Simulations made in the Adjustment Guide will no longer affect the adjustment view. Your simulated adjustment values will **NOT** be saved and used in the Adjustment view.
- The latest measurement method used is now permanent until another method is selected (for example 9-12-3 or EasyTurn).
  - The selected measurement method is saved after doing a Softfoot measurement.
  - The latest measurement method used, will be reselected for new measurements.
- The result view (table, graph or machine) is now permanent until another view is selected.
  - The latest result view used, will be reselected for new measurements.
- Fixed a bug and re-added XT50 to Cardan.

- It is no longer possible to select other measuring units while in the middle of a Sweep measurement for example.

### **EasyTrend**

- Added start and end **date** to the EasyTrend report.
- Not possible to finalize the measurement while measuring. You need to stop the measurement before finalizing it.

### **Values**

- Added the button “Delete All” to delete all registered values.
- Fixed the icon for angle settings in Values.
- Fixed an issue halving and zero setting the value. It now works in the same way if you do it from a single live device as if you do it for all the Live devices at the same time.

### **Belt**

- Fixed an issue with sheave width.

### **All programs**

- You now need to register a measurement value before finalizing a measurement.
- All reports now have unit information. Units was for example missing for sheave width and diameter in the Belt program.
- Fixed some report template thumbnails and names.
- More descriptive e-mail error message when missing wifi.
- It is no longer possible to change photos in report while report is being regenerated.
- Several minor translation fixes.
- Several minor visual bug fixes.

## **Version 8.0.11**

- The manual now includes Finnish.
- The manual has a new look, better for smaller screens.
- In Softfoot, the foundation is scaled up for large machines.
- Various bug fixes in Straightness.

## **Version 8.0.8**

- Fixed a bug in detector update. It did not always show 100% progress upon completion.
- Fixed a bug in Horizontal Shaft, in graph result view in mirrored mode.
- Fixed a bug that blocked deselection of offline devices in device lists.
- Bug fixes related to notes and comments in reports.

## **Version 8.0.6**

- Fixed a bug with XT280 Vibrometer on iOS.
- Various other bug fixes.

## **Version 8.0.5**

- New bug fixes on version 8.0.4

## **Version 8.0.4**

- New measurement program “Straightness”.
- New machine images in shaft and machine train.

- Support for new XT-laser transmitters.
- Support for new language: Finnish.
- Improved device handling in Values.
- Support for different time and date formats in reports.
- Support for Android 10 and 11.
- Support for IOS 15.
- Various bug fixes.

## **Version 7.1.6**

Driver update to support a new version of the 13M pixel camera.  
Includes XT app version 7.1.5.

## **Version 7.1.5**

Version 7.1.5 includes bug fixes on the 7.1.4 release.  
The following bugs were corrected in version 7.1.5:

### **Values**

- The target crosshair was not centered correctly after resetting a zero.
- Sometimes the target crosshair became slightly offsetted after zero.

### **Vibrometer**

- Problem with connecting XT280 vibrometer in IOS.

### **All programs**

- Selected unit system information (mm/mils) was missing in the program header.

## **Version 7.1.4**

### **Shaft Alignment**

- New Uncoupled sweep measurement method available for XT550, XT660 and XT770 systems.
- Improvements in shaft alignment tolerance handling: the system will now preselect the last used tolerance table (ANSI/ASA S2.75-2017 or Easy-Laser).
- Improvements in background live handling (in Narrow live, Wide live, and 9-12-3 modes).
- Cardan program now available for XT550 and XT660 systems.
- Adjustment guide now available for XT550 system.

### **Values program**

- Values program now supports new XT290 digital precision level.
- Display and record up to four units at the same time

### **Other**

- Extra digit when entering distances in imperial units.
- Bug fixes and improvements.

## **Version 7.0.4**

- “Zero inclinometer” function in Horizontal and Machine Train programs.
- Adjustment guide in Horizontal and Machine Train program (only for XT770).
- New graph view in Horizontal program.
- Bugfixes and improvements.

## Version 6.1.2

- Improvements made in wireless communication and connection.
- It is now possible to update the measurement units and detectors via the XT App.
- Fixed a problem in the horizontal result in the program Easytrend.

## Version 6.0.3

- Fixed an appearance problem in the Horizontal Advanced report. The values were correct, but displayed in a wrong format.
- Fixed a problem in Basic Flatness. The input fields were occasionally wrong.

## Version 6.0.2

- Cardan measurement program
- Basic flatness measurement program
- New machine types in Horizontal, Cardan, and Machine train programs: fan, generator and wind gearbox
- QR and barcode reader
- Support for thermal growth on feet
- Support for measurement templates
- Support for file import
- Support for signing of PDF files
- Support for multiple images in reports
- Sorting filter in file manager
- Wireless communication and connection improvements
- Other minor improvements and some bugfixes

## Version 5.1.1

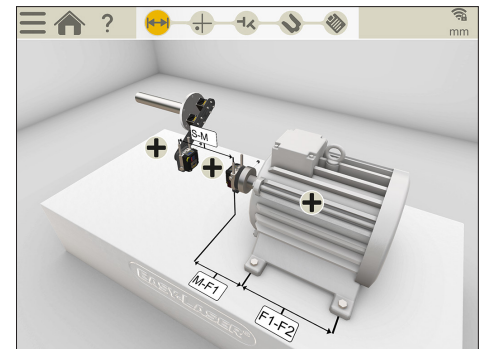
- Increased sample rate in sweep measurement when using XT70 measuring units.
- Bugfixes and improvements.

Known issues with version 5.1.1

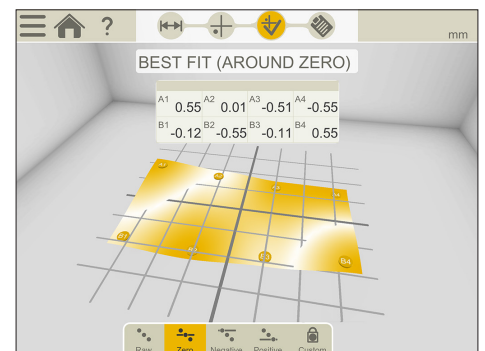
- Does not work on Huawei P20 pro.

## Version 5.0.3

Fixed a problem with unsecured wifi connections causing the XT11 unit to reboot.



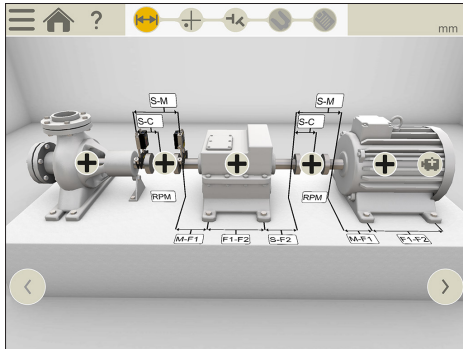
Cardan program



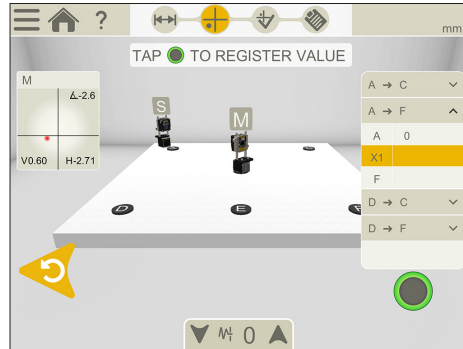
Flatness program

## Version 5.0.2

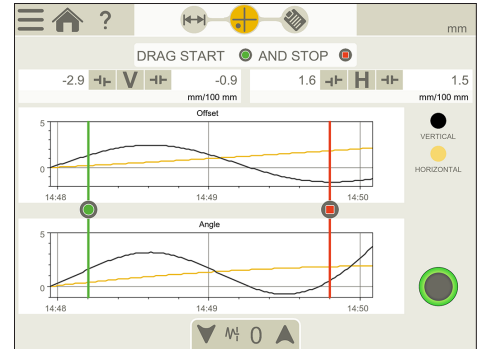
- Machine train measurement program
- Twist measurement program
- EasyTrend measurement program
- Support for Polish language



Version 5.0.2 Machine train program.



Version 5.0.2 Twist program.



Version 5.0.2 EasyTrend program.

## Version 4.1.2

- Measure Softfoot on both machines.
- Support for spacer shaft couplings.
- Support for ANSI/ASA S2.75-2017 tolerance tables.
- Support for machines with 2 or 3 feet pairs.
- Choose between different machine type images:  
pump, compressor (2, 4 and 6-throw), gearbox, generic machine,  
support bearing, gas turbine, electric motor and diesel motor.

## Version 4.0.3

- Fixed a problem with the settings menu that could cause an unstable system.
- Fixed a bug in shaft alignment reports (Gap was not presented in report)
- Fixed a tolerance bug in shaft alignment programs.
- Fixed a bug in Values that could cause problem when resuming an ongoing measurement.

## Version 4.0.1

- Support for XT50 measuring units.
- Vibration program.
- Improved file handler (copy/share/delete multiple files, improved performance).
- Softfoot graphics in default and advanced reports.
- Comments in Values program always visible.
- Custom subjects in email.
- “Clear all” button in softfoot.

## Version 3.0.2

- Vertical shaft alignment
- New languages: Italian and French

### Horizontal program

- Locked feet
- Custom tolerances
- New Live mode (Live Wide)
- New report template with result tables

## **Values program**

- Values reports
- Comments for each measuring point in Values

## **Version 2.0.8**

- Mirrored view in Belt program improved.
- Tolerance settings updated.
- Updated adjustment view for mirrored machines.

## **Version 2.0.6**

### **Continuous Sweep**

Added functionality when using the XT60 measuring units. Automatic recording of measurement values during continuous sweeping of the shaft. Hundreds of points are registered.

### **Multipoint**

Added functionality when using the XT60 measuring units.

### **Belt program**

Program for alignment of Belt drives (hardware XT190 required).

### **Values program**

Added functionality – automatic recording of values (set duration and interval).

### **XT11 improvements**

WiFi communication

Share to e-mail added

## **Version 1.1.3**

### **Support for 10 languages:**

English, German, Russian, Spanish, Portuguese, Swedish, Korean, Japanese, Chinese (Simp.) and Chinese (Trad.)

### **Improved settings menu**



### **Custom logotypes and user information in reports**

### **Support for 0.001 mm / 0.1 mils resolution**



### **Tables available in both measurement view and result view**

### **Improved thermal camera software (XT11)**

## Installationsinstruktion



1. Gå till [www.easylaser.com](http://www.easylaser.com) > Support > Programvaror > Firmware-uppdateringar för avläsningsenhet XT11. Obs! Detta är en mycket stor fil. (ca 1.3 GB)
  2. Ladda ner uppdateringsfilen och spara den på en USB.
  3. Packa upp filerna till roten på USB minnet.
  4. Starta Avläsningsenheten XT11.
  5. Sätt i USB minnet i Avläsningsenheten.
  6. På startvyn, tryck  för att öppna Inställningar.
  7. Tryck på  för att öppna Systeminformation. En ny fil bör nu vara synlig under UPPDATERINGAR.
- Om XT11 inte startar om inom fem minuter, starta den manuellt.

## Installationsanweisungen

1. Gehen Sie auf [www.easylaser.com](http://www.easylaser.com) > Service > Software-Updates > Firmware-Update für Anzeigeeinheit XT11. Hinweis: Dies ist eine sehr große Datei! (ca. 1,3 GB)
2. Laden Sie das XT11- Firmware-Update herunter und speichern Sie es auf einem USB-Stick.
3. Entpacken Sie die Dateien in das Stammverzeichnis des USB-Sticks.
4. Starten Sie die XT11-Anzeigeeinheit.
5. Stecken Sie den USB-Stick in die Anzeigeeinheit.
6. Tippen Sie in der Startansicht auf , um die Einstellungen zu öffnen.
7. Tippen Sie dann auf , um die Systeminformationen zu öffnen. Eine neue Datei sollte jetzt unter UPDATE sichtbar sein.

Sollte die Anzeigeeinheit nach 5 Minuten nicht automatisch neu starten, starten Sie sie bitte manuell.

## Instrucciones de instalación

1. Vaya a [www.easylaser.com](http://www.easylaser.com) > Soporte > Actualizaciones de software > Actualización del firmware de la unidad de visualización XT11. Nota: Este es un archivo muy grande! (aproximadamente 1.3 GB)
2. Descargue el archivo de actualización de firmware XT11 y guárdelo a un dispositivo de memoria USB.
3. Descomprima los archivos al nivel raíz del dispositivo de memoria USB.
4. Encienda la unidad de pantalla XT11.
5. Inserte el dispositivo de memoria USB en la unidad de pantalla.
6. En la pantalla de inicio, toque  para abrir la pantalla de Configuración.
7. Toque  para abrir la pantalla de información del Sistema. Un nuevo archivo ahora debería ser visible bajo ACTUALIZACIÓN.

Si la unidad XT11 no se reinicia en cinco minutos, inícielo manualmente.